COMMISSION
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Brussels, 2 April 1993

SYNOPTIC DOCUMENT N. 6

DRAFT OF PROVISIONAL LIST OF MONOMERS AND ADDITIVES USED IN THE MANUFACTURE OF PLASTICS AND COATINGS INTENDED TO COME INTO CONTACT WITH FOODSTUFFS

(updated to 2 April 1993)

This document, which is now available only in English, summarizes (see index on p. 2):

a) **the EEC "new food packaging approach" in drafting the Community positive list (see p. 9);**

b) **the status of the Community list (see p. 3);**

c) **the data to be supplied to the SCF (see p. 21);**

d) **the guidelines to be followed by the applicants in supplying the data requested by SCF (see p. 29).**

Please, read carefully *all* this important document and, mainly, the "Note for the readers" the explanatory note and the addendum 2 to the explanatory note. Read at the same time also "Practical Guide N. 1". To obtain a copy of these fondamental documents, you are invited to follow the instructions of the note for the readers (p. 6, para 12)

The document is not diffused on diskette although some copies could be in circulation.

N. of records in monomer list: 1496 and in additive list: 2186

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NOTE FOR READERS

1. This document summarizes the status of the listed substances until 2 April 1993. It contains a provisional and incomplete list of monomers and additives (see explanation on pages 48, 138, 294 for food plastics (with the exception of silicones) as well as coatings authorized or used in the Member States of the European Communities. In principle, it should not contain aids to polymerization, colorants, inks and adhesives, although some of them appear. *It must be stressed that the substances appearing in this document shall not be considered, at this stage as the only monomers and additives used at Community level and that this document is a working and not a legal or binding document, and, therefore, it may be subject to relevant modifications (integration, deletion and changes).* However, at the same time, it must be underlined that the Commission services intend to include in the future Community positive list (see explanatory note, para 3, p. 9), only some of the substances appearing in this document and classified by SCF into lists 0-4 (see column 5 of the Annexes 1 and 2).

2. At this stage, the Commission services are unable to specify whether the list will be extended to aids to polymerization ("substances which directly influence the formation of polymers", see Annex 3, p. 294), colorants, inks and adhesives. Therefore any extrapolation of the list to these substances is premature. Moreover the Commission services can only add a) that the discussion on the type of rules to be applied to these substances will start after that the positive list for monomers and additives is adopted and b) that they are unable to specify any date on this matter. Please, avoid to ask for any further information on this subject.

3. This document also contains evaluations made up to 2 April 1993 by the Scientific Committee for Food (SCF) or by its working group "Packaging" (SCF-WG) on the listed substances (see columns 5 and 6). **These evaluations supersede all other evaluations appearing in previous opinions finalised before 2 April 1993 (minutes until 53 meeting etc., and reports up to and including the 30th Series of Reports of the SCF and the report on additives finalised before this date but not yet published).** It specifies also the type of data to be transmitted to the SCF in order to allow it to evaluate completely the substances (see addendum 2 to the explanatory note). However, before starting the testing for obtaining data requested, if you are in doubt, write a fax to the Commission services in order to have the confirmation of the validity of the classification appearing in Synoptic 6. It has to be noted the particular status of the substances for which a P appear besides **the number of the SCF list. This P means that the substance will be re-examined at the next 2 meetings of the working group of the SCF (M54 =2-4 June 1993//M55=13-15 September 1993). In certain cases the data requested are available and they are not indicated.** ***Therefore wait for the results of the meetings before starting any testing.***

4. **It is the intention of the Commission to update this document by issuing periodically (about every 6 months) a supplement to the Synoptic 6 in order to inform the general public on the status of the new requested substances and on the changes of the substances re-evaluated. The first supplement to "Synoptic 6" (called "First supplement to Synoptic 6") will be available to the European professional association and to the National authorities not before 30 October 1993. The mailing list appearing on pages 6 and 7 will receive the supplement automatically, when it is available.** ***Therefore, please avoid to write faxes or letters or call the Commission services on the availability of the supplement, because this may cause a delay in the preparation of it.***

5. This document should be read together with the other EEC document "Practical Guide N. 1", which gives much more explanations on some parts of "Synoptic 6" .

6. In order to know the intention of the Commission services for the next 3 years, please, read the explanatory note, particularly paragraph 3. In principle, no other actions will be taken by the Commission services in the field of plastics.

7. **The more important changes with regard to "Synoptic 5" are the following**:

- **the list is extended to coatings (for which the enquiry on monomer list 9 has been made by the Council of Europe) and to the additives for plastics and coatings (the enquiry for additives for coatings is not yet finished);**
- **no deadline is specified (with the exception of the monomers included in Directive 90/128/EEC which are deleted by 1st January 1997 at latest), because the substances which have not been fully evaluated by the SCF (substances allocated into SCF lists 6-9 and W) are not included in future proposals for Directives. The Commission services strongly recommend that industry provides the requested data as soon as possible in order to obtain the inclusion of the substances in the draft proposals for Directives and avoid commercial disadvantages. The data requested by SCF depend on the allocation of a substance into a SCF list (see column 5 in the Annexes) and an explanation on them is given in the addendum 2 of the explanatory note, p. 20;**
- **all the fatty acids derived from food sources and their dimers have been deleted, because the individual fatty acids and individual fatty acid dimers already appear in list.**
- the format of the data bank on monomers and additives is changed and now includes the SCF opinion;
- all the substances listed have a PM/REF. N;

8. **In principle, the Commission services will not individually answer the numerous letters/faxes received up to 2 April 1993 asking for explanations or information about EEC lists**. Moreover, contrary to what was written in the old "Note for Guidance" (CS/PM/1025), in principle, the Commission will not inform the individual applicant about the evaluation of the SCF, because these evaluations have been inserted in this document and they represent the SCF or SCF-WG opinion up to 2

April 1993. The Commission services believe that "Synoptic 6" and "Practical Guide N.1" answer the relevant questions or comments raised in letters/faxes, particularly as regards to problems of impurities, mixture, the data to be submitted to the SCF, the use of polymers used as additives, the requests for an extension of deadlines, the request about the evaluation of the SCF. The Commission services are aware that in some cases (e.g. for mixtures and polymers used as additives) the explanation given is not yet completely clear but they have not yet found a general solution to the problem. The "Synoptic 6" and "Practical Guide N.1" also took into account all the proposals of changes to the previous versions of both documents, transmitted by European Professional Associations or by individuals. However, not all the suggestions have been accepted by the Commission services, because some of them differ from the SCF or Commission services point of view. All the above mentioned persons and associations, if not satisfied, are invited to write again to the "Commission of the European Communities, DG III (for the attention to Mr. L. Rossi, 200 rue de la Loi, B-1049 Brussels"), referring to the previous correspondence and **enclosing a copy of it and a label with its address**. It should be stressed that some questions relating to the evaluation of the substances or to the scientific questions, mainly toxicologic, require that the Commission services ask the opinion of other bodies i.e. the SCF and therefore a long lapse of time before receiving an answer should be considered normal (e.g. 6 months).

9. The Commission services wish to inform the interested persons that the number of requests for information and explanations have become so numerous that they are often unable to answer rapidly or not at all. At the moment the priority for the Commission services is to implement the programme outlined in the explanatory note (see para 3 of the explanatory note, p. 9) and to complete and finalize the new document "Practical Guide N. 1." which will assist all the interested parties in the application of EEC Directives and documents. Therefore, as regards new questions, never raised before, the interested parties are invited firstly to contact the European professional organizations and secondly the national authorities. Only if they have not received a satisfactory answer, they can contact the Commission services for further explanation.

10. The Commission services found that many applicants do not follow strictly the recommendations given in "Note for Guidance". **With the issue of this document and "Practical Guide N. 1.", the Commission services will postpone the examination of any application which does not comply with the recommendations given in the updated "Note for Guidance" (see Annex 2 of the "Practical Guide N. 1" and the warnings on pages 30-32 of this document)** in order to improve the efficiency of the system. This decision will allow the SCF to quickly examine the correct applications and the Commission services to answer the requests of applicants rapidly.

11. Many requests have been addressed to the Commission services on the *legal situation* for a product (substance or plastic or food) at national and Community level. Because an answer to this type of questions is, in principle, difficult, due to incomplete Community legislation and to the numerous texts to be verified in all the Community languages, the Commission services are no longer able to answer these questions, which require an individual enquiry in order to avoid any mistake. Therefore the

applicant is advised to send their enquires to the European professional organizations or to the national authorities or to a commercial data bank. The address of one of them, which is sufficiently complete and appropriate for European Communities and members of EFTA, is the following:

EURO-DATA ANALYSTS
P.O. Box 13, Dorking
Surrey RH5 4YL, UK
Phone: (0306) 884473
Fax: (0732)453184

12. To obtain a copy of this document as well as "Practical Guide N.1" please send a request to the addresses given below.

If you are affiliated, send a request to the following of European professional organisation (in alphabetical order):

ALUMINIUM ZENTRALE, Konigsallee 30, Postfach 1207, D-4000 Dusseldorf 1.
APME, Avenue van Nieuwenhuise, 4 -bte 10, B-1160 Brussels
BLIC, Avenue des Arts, 2 -B-1040 Brussels
CEFIC, Avenue van Nieuwenhuise, 4 - Bte 10 - B-1160 - Brussels
CEPE, Avenue van Nieuwenhuise, 4 -bte 10, B-1160 Brussels
CEPI, Avenue Louise, 306 -B-1050 Brussels
CIIA, rue de la Loi, 74 -Bte 9, B-1040 Brussels
CITPA, Arndstrasse, 47 -D-6000 Frankfurt/Main
EFPA, rue de la Presse, 4 -B-1000 Bruxelles
EUPC, Avenue Cortemberg, 66, B-1040 Brussels
EUROMETAUX, Rue Montoyer, 47 -B-1040 Brussels
FABRIMETAL, Rue des Drapiers, 21, B-1050 Brussels
FEC, rue de Louvre, 58 -F-75002 Paris
PRO-CARTON, Whitfield Street, 67-GB-London W1A 4PU
SEFEL (see Fabrimetal)

If you are not affiliated to the above mentioned organisations send a request to your national authorities ("Focal points")

BELGIQUE: (for the attention of Mr D'Adesky) Ministère de la Santé Publique (Inspection des denrées alimentaires), Cité Administrative de l'Etat, Quartier Vésale B-1010 BRUXELLES

DANMARK: (for the attention of Mr Berg)Levnedsmiddelstyrelsen, Morkoj Bygade, 19 DK-2860 SOBORG

BUNDESREPUBLIK DEUTSCHLAND:(for the attention of Mr Evers) Bundesministerium für Jugend, Familie, Frauen und Gesundheit Deutschherrenstrasse, 87 D-5300 BONN 2

HELLAS: (for the attention of Mr Spyropoulos) Ministère des Finances, Laboratoire Général d'Etat, Rue Anastassion Tsoha, 16, 115.21 ATHENES

ESPAÑA: (for the attention of Mrs Carretero Baeza) Ministerio de Sanidad y Consumo - Direccion General de Salud Alimentaria y Proteccion de los Consumidores Paseo del Prado, 18 -ES-28014 MADRID

FRANCE: (for the attention of Mrs Motisi) Ministère de l'Economie, des Finances, Direction Générale de la Concurrence, de la Consommation et de la Répression des Fraudes , Boulevard Vincent Auriol n. 59, 75703 Paris Cedex 13

IRLANDE: (for the attention of Mr Lanvin) EOLAS (The Irish Science & Technology Agency) Glasnevin IRL-DUBLIN 9

ITALIA: (for the attention of Mr Porcelli) Ministero della Sanità Piazza Marconi, 25 I-00144 ROMA

LUXEMBOURG: (for the attention of Mr Arendt) Ministère de la Santé, Division de l'Inspection Sanitaire, Rue de Prague, 5a L-2348-LUXEMBOURG

NEDERLAND: (for the attention of Mr Roelfzema) Ministerie van WVC, Directie VVP Postbus 5406 NL-2280 HK RIJSWIJK

PORTUGAL: (for the attention of Mr Lopes Costa), Instituto de Qualidade Alimentar Rua Alexandre Herculano, 6 P-1100 LISBOA

UNITED KINGDOM: (for the attention of Mr Watson), Food Safety Division Ministry of Agriculture, Fisheries and Food Ergon House c/o Nobel House Smith Square, 17 GB-LONDON SW1P 3JR

These 2 documents are available also to the national Authorities of the AELE countries and some Institutes or Offices as (in alphabetical order)

ASSOGOMMA (Mr Zerilli), Via S. Vittore 36, I- MILANO, ITALIA

CENAM (Mr Sanchez Saez), Carretera de Majadahonda a Pozuelo, Km 2 E-28220 MADRID -SPAIN

CEN (Mr Jeanson) Rue de Stassart, 36, B-1050 BRUXELLES -BELGIQUE

CIVO-TNO (Dr Rijk): Utrechtseweg, 48 Postbus 360, NL3700 AJ ZEIST

CITIP (Casilla de Correo 157, 1650-San Martin, BUENOS AIRES, ARGENTINA

EURO-DATA ANALYSTS .P.O. Box 13, Dorking, Surrey RH 5 4YL, UK.

FEDERCHIMICA (Sig. Terraneo), Viale Accademia, 33 I-20131 MILANO, ITALIA

FDA (Ms Schwartz P.) 200 C Street, S.W. 20204 WASHINGTON DC -USA.

FINNISH PACKAGING ASSOCIATION, (Mr HMLINEN Jorma), Ritarikatu 3b A SF - 00170 HELSINKI 17 -FINLAND

FINNISH PULP AND PAPER RESEARCH INSTITUTE, PO BOX 136 SF-00101 HELSINKI, FINLAND

FRAUNHOFER INSTITUT (Mr Piringer), Fraunhofer-Institut for Lebensmitteln Technology und Verpackung, Schragenhofstrasse, 35 D-8000 MUNCHEN

INRA (Mr. Feigenbaum) F-78352 JOUY-en-JOSAS Cedex FRANCE

HECKMAN Jerome, Keller and Heckman, 1150 17th Street N.W. WASHINGTON D.C. 20036 -USA

INSTITUT D'HYGIENE ET D'EPIDEMIOLOGIE (Mr Gosselé), Rue J. Witsman, 14 B-1050 BRUXELLES -BELGIQUE

INTERNATIONAL PACKAGING CLUB (Mr. LOUIS Pierre), Avenue des Versailles, 42, F-75016 PARIS -FRANCE

ISTITUTO SUPERIORE DI SANITÀ (Ms Gramiccioni), Viale Regina Elena 299 ROMA

LNE (Mr. Camus) Rue Gaston Boissier F-75015 PARIS - FRANCE

NORWEGIAN FOOD RESEARCH INSTITUTE Osloveien 1, N-1430 AS NORWAY

ORTEP (Mr Jonker), PO Box 70 4380 4B Vlissingen NEDERLAND

PACKFORSK (Ms Salmen),Torshamnsgatan, 24 BOX 9 S-164 93 KISTA -SWEDEN

INSTITUT NAT. RECH. AGRON. (Mr. Pascal) F-78350 JOUY-EN-JOSAS - FRANCE

RCC (Mr Wietscorke R), CH-4452 ITINGEN - BASEL

EXPLANATORY NOTE

1. The Commission of the European Communities ("CEC") is in the process of completing the Community law in the sector of plastics materials, as laid down by Annex 1 to the Council Directive 89/109/EEC of 21 December 1988 on the approximation of the laws of the Member States relating to materials and articles intended to come into contact with foodstuffs (O.J. N. L 40, 11 February 1989 (hereinafter called "new framework Directive"). In principle, it is provided that the final Community regulation will contain rules concerning the following aspects:

a) a positive list of substances authorized;
b) a global migration limit;
c) the basic rules for testing migration (list of simulants, conditions for testing migration (time, temperature));
d) the general criteria for purity of materials and articles and the specific criteria
e) the methods of analysis;
f) other.

2. Because of the complexity of the subject and the number of discrepancies between the national laws, the CEC decided to proceed step by step, proposing for adoption Directives on the specific aspects of the regulation. Nine Directives have already been adopted in this sector:

- **78/142/EEC** concerning the limits for vinyl chloride monomer (VCM) (OJ n. L 44 of 15.02.1978);
- **80/766/EEC** concerning the determination of VCM in the finished products (OJ n. L. 213 of 16.08.1980);
- **81/432/EEC** concerning the determination of VCM in the foodstuffs (OJ n. L. 167 of 24.06.1981);
- **82/711/EEC** Directive on plastics "basic rules for testing migration" (OJ n. L. 297 of 23.10.1982);
- **85/572/EEC** Directive on plastics "list of simulants to be used for testing migration" (OJ n.L. 372 of 31.12.1985).
- **90/128/EEC** Directive on plastics "monomer" (OJ n. L 128 of 21.3.1990 rectified by OJ n.349 of 13.12.90).
- **92/39/EEC** 1st amendment to the Directive on plastics monomer (OJ n. L168 of 23.06.92)
- **93/8/EEC** 1st amendment to the Directive 82/711/EEC (OJ n.....)(under press, probably published during April 93)
- **93/9/EEC** 2nd amendment to the Directive on plastics monomer (OJ n...)(under press, probably published during April 93)

N.B The Commission services are not more available to supply copies of Official Journals. But You can buy a copy by sending a request to the following address:
Office for Official Publications of the European Communities
L-2985 Luxembourg (phone 499281)

3. Other Directives are either being prepared or being planned. In principle they will consist of:

a) a "third" modification of the Directive on monomers in order to:

- include "new" monomers
- amend the status of the listed monomers, with a view deleting substances the deadlines of which are exceeded or changing the restriction as well as the section if a re-evaluation of a substance makes it necessary.

A draft will be ready before the end of July 1993 (only the substances evaluated by the SCF before the 30 June 1993 will be considered). It is planned to be available for adoption before 31 December 1993.

b) an extension of the Directive 90/128/EEC in order to include

- the monomers used to manufacture coatings (varnishes, lacquers, paints, including epoxy resins);
- the additives for plastics and coatings

In principle, these new Directives will contain only the substances used for the manufacture of plastics and coatings classified by SCF into L0-L4 before the 31 March 1994. A first official draft could be available already this year and its adoption is expected at latest in 1995. The substances not appearing in these mentioned new Directives or in the previous Directives will be forbidden since 1st January 1997. During the period between the adoption of this new Directive and 1st January 1997 the legal status of substances not appearing in the Community list will be regulated in the light of Articles 30 and 36 of the Treaty of Rome. A certain number of sentences of the Court of Justice can give guidelines to the industry in this matter. **Therefore it is strongly recommended to industry to submit as soon as possible to the SCF the requests for the addition of a new substance or for a re-evaluation of an already examined substance**. This request should be made applying strictly the recommendations given in "Note for Guidance" and avoiding the main common mistakes (see p. 32). A delay in the transmission of the request can cause that the substance cannot be evaluated before 30 March 1994 and, therefore, the substance will not appear in the first Community list. However, it is provided that the Directives containing the list of substances authorized will be amended at least once in a year.

4. The problem of the official control of food plastics materials and articles as well as of the methods of analysis will be examined later, taking account of the development of Directive 89/397/EEC (O.J. L 186 of 30.06.1989). Currently, the European Committee for Normalization (CEN) is preparing methods of determination of the global migration in the various situations and for controlling the quantitative restrictions on some monomers set out in Directive 90/128/EEC (acrylonitrile,

butadiene, isocyanate, MEG and DEG, styrene, terephthalic acid). For further information, please, contact:

Mr Jeanson, CEN, rue de Stassart 36, B-1050 Brussels (fax 5196819 - phone 5196951)

5. This document contains the updated (until 2 April 1993) situation relating to monomers and additives for all types of plastics (including coatings and excluding only the silicones which will be regulated later). In particular it contains:

a) in Annex 1 the draft of a first list of monomers (see p. 48);

b) In Annex 1 bis the requested products obtained by means of bacterial fermentation and submitted for approval to CEC are listed (see p. 137);

c) in Annex 2 the draft of a first updated list of additives (see p.138);

d) in Annex 3 an explanation of the meaning of the expression "Polymer production aids" (see p. 294).

ADDENDUM 1 TO THE EXPLANATORY NOTE

INFORMATION OR ABBREVIATIONS INCLUDED IN THE COLUMNS OF THE TABLES OF THE ANNEXES 1 and 2 OF THE SYNOPTIC DOCUMENT

EXPLANATION OF THE COLUMNS

Column 1 ("REF N")

II contains the EEC packaging materials reference number of the substances on the list; conventionally the following numbers have been assigned:

monomers : 10000-29999
additives: >30000
A substance listed as monomer as well as an additive will be assigned two different PM/REF numbers.

Column 2 ("CAS N.")

It contains the CAS (Chemical Abstracts Service) registry number, if any; if the substance is a mixture of substances, the CAS number refers to the mixture. Where an indent has been placed in the column, it means that a research for CAS N. has been made, but that the result was negative. If the result of the search was found to be doubtful a question mark was st to the result. If no CAS number or indent has been placed in the column it means that the research has not yet been made. Where there is inconsistency between the CAS number and the chemical name, the chemical name shall take precedence over the CAS number. If there is inconsistency between the CAS number reported in EINECS and the one in the CAS-Register, the CAS-number in the CAS-Register shall apply.

Column 3 ("NAME")

It contains the chemical name.

In principle, the substances labelled with an asterisk (substances classified by SCF in lists 6-9 and W) will be not included in future Directives. The substances having an asterisk before the name and at the same time an asterisk in the column 4, i.e. substances which remain in Section B of the Directive 90/128/EEC, will be deleted at latest the 1st January 1997. **Therefore the Commission services strongly recommend that the requested data are submitted as soon as possible.**

In principle, the substances are listed according to their common name.
The following general criteria have been applied:

1. The substances are listed in English version in alphabetical order with the following conventions:

a) - Special characters such as numerals, Greek letters (alpha, beta, epsilon, omega);
- prefixes indicating substituted locations (m, o, p, C-, N-) stereochemicals (cis, trans) or other structural features (n-, tert., sec.);
- plural as well as words or expressions which do not indicate a chemical structure e.g. "derived from..." or "substituted.." or "with..".

are ignored;

b) the following prefixes are considered to form part of the name: bis, cyclo, iso, and the numerals mono, di, tri, tetra, penta etc. In the main name they should be written in capitals. The following prefixes should be considered as additions and should not be printed in capitals in the main name: ortho (o-), meta (m-), para(p-), alpha, beta, gamma etc. cis, trans, dextro (d-), laevo (l-), normal (n-), N- (=link to nitrogen atom), primary (prim.), secondary (sec.) and tertiary (tert.).

c) generic terms describing aliphatic organic acids are indicated according to the following sequence: acids, aliphatic, mono- or polycarboxylic, saturated or unsaturated, linear or branched, (Cx-Cy);

d) generic terms describing aliphatic alcohols are indicated according to the following sequence: alcohol, aliphatic, mono- or polyhydric, saturated or unsaturated, linear or branched, primary or secondary or tertiary (Cx-Cy);

e) esters of monohydric aliphatic alcohols are usually listed under the corresponding acids followed by the radical corresponding to the alcohol followed by the term "ester(s)";

f) esters of polyhydric alcohols are usually listed under the corresponding acids followed by the terms "esters with" and the name of the polyhydric alcohol. In certain cases the esters are indicated, starting from the polyhydric alcohols (eg. polyglycerol monostearate);

g) polymeric additives are expressed in terms of the monomers which constitute them, in alphabetical orderand separated by a hyphen, followed by the term"polymer" or "copolymer";

h) salts (including double salts and acid salts) of aluminium, ammonium, calcium, iron, magnesium, potassium, sodium and zinc of an authorized acid, alcohol or phenol shall be automatically autorized. However, names containing for example.....acid(s), salts" appear in the lists if the corresponding free acid(s) is(are) not separately mentioned. In such cases the meaning of the term"salts" is "salts of aluminium, ammonium, calcium, iron, magnesium,

potassium, sodium and zinc". Only in a few cases salts are listed starting by the metal;

i) following common names are, for example, used:

- arachidic acid
- behenic acid
- caprylic acid
- lauric acid
- myristic acid
- oleic acid
- palmitic acid
- ricinoleic acid
- stearic acid

However the following systematic names of radicals have been retained:

-	n-dodecyl	instead of lauryl
-	n-hexadecyl	" " cetyl
-	n-octadecyl	" " stearyl
-	n-tetradecyl	" " myristyl
-	2,3-epoxypropyl	" " glycidyl

Similarly the following systematic names of alcohols have been retained:

-	n-dodecanol	instead of lauryl alcohol
-	n-hexadecanol	" " cetyl alcohol
-	n-octadecanol	" " stearyl alcohol
-	n-tetradecanol	" " myristyl alcohol

Column 4 ("RESTR")

The sign + means that the substance is regulated by the Directive 90/128/EEC and subsequent amendments and that it remains in section A or in section B (if it has an asterisk before the name). The existing restriction, if any, appears in the Directives.

The letter D means that the substance has been deleted from the positive list of Directive 90/128/EEC (and following amendments).

FOR MEMO

In the Directive 90/128/EEC and subsequent amendments, the relevant criteria used by CEC for putting a restriction are, in principle but some exceptions exist, the following:

a) a substance contained in lists 4 or 6 of the SCF reports or having an ADI (list 1) or a TDI (list 2) < 1mg/kg b.w., is subject to a quantitative restriction;

b) a substance having an ADI or TDI less than 1 mg/kg b.w. will be subject to a specific migration limit in food or in food simulants equal to the value obtained by multiplying the ADI or TDI by 60. It is assumed that a man weights 60 kg

and that he eats one kilo of foods in contact with the plastics containing always the substance under reference;

c) a substance contained in list 4A will be subject to a limit of detection in food or in simulating liquids equal to 0.01 mg/kg;

d) a substance contained in list 6 A will be subject to a limit of detection in food or in food simulants equal to 0.05 mg/kg;

e) a substance contained in list 3 or in list 6B and having a restriction expressed in a limit of migration will be subject to this limit of migration;

f) a substance contained in list 3 or in list 6B and having a restriction expressed in mg/kg b.w. will be subject to a limit of migration obtained by multiplying the ADI or TDI by 60.

In some cases, a specific migration limit could be deleted or replaced by a limit in the amount of residue (QM) in the finished product (FP). The reasons of this decision are indicated in the column "REMARKS".

NOTA BENE.
It is impossible to explain in this document the criteria used by the Commission in drafting the Directives amending the Directive 90/128/EEC. In fact, in drafting these Directives the Commission services took into account of other factors like practicability, availability of the methods of analysis, possibility of an agreement at level of Standing Committee etc. Moreover it has to be stressed that any extrapolation of the above mentioned criteria to the other listed monomers and additives is, at this stage, premature.

Column 5 ("SCF L")

It contains the number of the list in which the substance is classified by the SCF or other abbreviations. The meaning of the number or other abbreviations which appears in this column is described here below.

SCF LISTS

List 0
Substances, e.g. foods, which may be used in the production of plastic materials and articles, e.g. food ingredients and certain substances known from the intermediate metabolism in man and for which an ADI need not be established for this purpose.

LIST 1
Substances, e.g. food additives, for which an ADI, a temporary ADI (t-ADI), a MTDI, a PMTDI, a PTWI or the classification "acceptable" has been established by this Committee or by JECFA.

LIST 2
Substances for which a TDI or t-TDI has been established by this Committee.

LIST 3
Substances for which an ADI or TDI could not be established, but where the present use could be accepted.

LIST 4
Section A (for monomers)
Substances for which an ADI or TDI could not be established, but which could be used if the substance migrating into foods or in food simulants is not detectable by an agreed sensitive method.

Section B (only for monomers)
Substances for which an ADI or TDI could not be established, but which could be used if the levels of monomer residues in materials and articles intended to come into contact with foodstuffs are reduced as much as possible.

LIST 4 (for additives)
Substances for which an ADI or TDI could not be established, but which could be used if the substance migrating into foods or in food simulants is not detectable by an agreed sensitive method.

LIST 5
Substances which should not be used.

List 6
Substances for which there exist suspicions about their toxicity and for which data are lacking or are insufficient. The allocations of substances to this list are mainly based upon similarity of structure of chemical substances already evaluated or known to have functional groups that indicate carcinogenic or other severe toxic properties.
Section A
Substances suspected to have carcinogenic properties. These substances should not be detectable in foods or in food simulants by an appropriate sensitive method for each substance.
Section B
Substances suspected to have toxic properties (other than carcinogenic). Restrictions may be indicated.

List 7
Substances for which some toxicological data exist, but for which an ADI or TDI could not be established. The required additional information should be furnished.

List 8
Substances for which no or only scanty and inadequate data were available.

List 9
Substances and groups of substances which could not be evaluated due to lack of specifications (substances) or to lack of adequate description (groups of substances).

Groups of substances should be replaced, where possible, by individual substances actually in use. Polymers for which the data on identity specified inSCF Guidelines are not available.

List W
"Waiting list". Substances not yet included in the existing positive lists of Member States. Although these substances appear in the Synoptic documents, they are not susceptible to be included in the Community lists, lacking the data requested by the Committee.

NOTA BENE: The classification attributed to the substances in Annexes 1 and 2 is updated to 2 April 1993 and it supersede any other previous classification (see p. 3, para 3). For certain substances a double classification appear in the Column SCF_L because there are two parts of the molecule which are toxicologically active. **For other substances the letter P may appear besides the number of the SCF list. This P means that the substance will be re-examined at the next 2 meetings of the working group of the SCF (M54 =2-4 June 1993//M55=13-15 September 1993). In certain cases the data requested are available but likely they are not always indicated.** ***Therefore wait for the results of the meetings before starting any testing.***

Column 6 ("SCF OPINION")

It contains the opinion of the SCF or its working group updated to 2 April 1993. The content of the column supersede any other previous opinion (see p. 3, para 3).

Column 7 ("REMARKS")

In principle, this column may include the type of polymer or material in which is used. For the meaning of the other expressions used (for example S1(PM/REF.N) see below in this page.

Column 8 ("MAT_PL)

The sign + means that the substance was requested for plastics.

Column 9 ("MAT_C")

The sign + means that the substance was requested for coatings.

EXPLANATION OF THE EXPRESSIONS OR ABBREVIATIONS USED IN THE TABLES OR IN THE DOCUMENT, LISTED IN ALPHABETICAL ORDER.

ALIPH. Aliphatic
ADI Acceptable Daily Intake
COVERED BY
Means that the substance(s) mentioned in column "NAME" is (are) included in the substance(s) mentioned in column "REMARKS".

CYCLOALIPH	Cycloaliphatic
DET	Detectable
DL	Limit of detection
Ex L9	Substance for plastics destined to disappear from the list because replaced by individual compound.
Ex L9*	Substance used only for coatings destined to disappear from the list because replaced by individual compound.
FP	Finished product (= material and article in finished state)
FS	Food simulants
m	Meta
MONOCARB.	Monocarboxylic
MONOH.	Monohydric
n	Normal
NCO	Isocyanate moiety
NEW SUBST	New substance. These substances will appear in Directives only if the SCF classified them in L0-L4
NS	Not specified
o	Ortho
p	Para
P	Postponed. Substances under examination or re-examination.
Pol	Polymer
QM	Maximum permitted quantity of the "residual" substance in the material or article
QM(T)	Maximum permitted quantity of the "residual"substance in the material or article expressed as total of moyety/ substance(s) indicated",
S1(PM/REF)	Substance used only in plastics which replaces the generic term (PM/REF.N) classified by the SCF in L9.",
S2	Substance used only for coatings which replaces the generic term (PM/REF.N) classified by the SCF in L9.
SAME..	means that the substance mentioned in column"NAME" is identical to the substance mentioned in column "RESTRICTIONS"
SAT.	Saturated
SCF_L	Number of the SCF list (see explanation in column SCF_L)
SIMILAR TO	Means that the substance is similar to the indicated substance
SML	Specific migration limit in foods or in food simulant
SML(T)	Specific migration limit in foods or in food simulant expressed as total of moiety/substance(s) indicated.
SML(x)	Specific migration limit in foods or in food simulant for the group of substances having in column restriction the abbreviation SML(x);
SPEC(I)	Specification on identity of the substance is requested;
SPEC(P)	Specification on purity of the substance is requested;
SPEC(U)	Specification on use of the substance is requested
T	Single or in combination with substances of the same chemical moiety or individually indicated.
TDI	Tolerable Daily Intake (it is a concept equivalent to the ADI, but applicable only to the packaging sector and not to food addditives).
UNSAT.	Unsaturated

X	Means that the organoleptic characteristics of the substance(s) are self limiting (see for monomers, for example, Annex II of the minutes of the 51st EEC meeting) and, therefore, in principle, could not be necessary to put a special quantitative restriction.
Y	Means that the "food usage" of the polymer(s) for which the substance is authorized (see for monomers, for example, Annexes 2 and 3 of the minutes of 52nd EEC meeting) is limited and, therefore, in principle, could not be necessary to put a special quantitative restriction
W	- if it appears in column "RESTRICTION" means that the finished products made from the substance(s) are in contact with foodstuffs only for a short time and therefore, because the probable migration should be low, in principle, could not be necessary to put a special quantitative restriction. - if it appears in column "SCF_L", it refers to a "new substance" and it means "waiting list" (see NEW SUBST). It could be followed by a number which indicates the SCF list.
Z	Means that the difference between the overall migration limit and the specific limit, is so low that it would not be necessary to impose aspecial quantitative restriction, taking account the approximation in these calculations
?	Means that there is a doubt on the information given
-	Means that the enquiry for finding the information has been made but that it was negative
*	See the meaning in the explanation of each column.

Type of plastics

For the meaning of the types of plastics mentioned hereinafter, refer to the definitions generally recognized, particularly to the International Standard ISO.472. It is to be noted that an abbreviation for a polymer refers both to the homopolymer and to various copolymers.

ABS	Acrylonitrile-butadiene-styrene
CA	Cellulose acetate
CL	Cellulose
CP	Cellulose propionate
LCU	Lignocellulose
MABS	Methyl methacrylate-acrylonitrile-butadiene-styrene
MBS	Methyl methacrylate-butadiene-styrene
MF	Melamine-formaldehyde
MUF	Melamine-urea-formaldehyde
NC	Nitrocellulose
PA	Polyamides
PAM	Acrylic and methacrylic resins
PAN	Polyacrylonitrile
AR	Polyarylates
PB	Polybutene
PBT	Polybutylene terephthalate
PC	Polycarbonate

PCLO	Polycaprolactone
PCTFE	Polychlorotrifluoroethylene
PE	Polyethylene
PEEK	Polyetheretherketone
PEES	Polyetherethersulphone
PEI	Polyetherimide
PEK	Polyetherketone
PEN	Polyethylenenaphthenate
PES	Polyethersulfone
PE	Polyether
PET	Polyethylene terephthalate
PF	Phenol-formaldehyde
PIB	Polyisobutylene
PMMA	Polymethyl methacrylate
PO	Polyolefins
POM	Polyoxymethylene= polyformaldehyde= polyacetal
PP	Polypropylene
PPE	Polyphenylene ether
PPO	Polyphenylene oxide
PS	Polystyrene
PT	Polyterpenes
PTFE	Polytetrafluoroethylene
PUR	Polyurethanes
PVAC	Polyvinyl acetate
PVB	Polyvinyl butyral
PVC	Polyvinyl chloride
PVCC	Polyvinyl chloride chlorinated
PVDC	Polyvinylidene chloride
PVDF	Polyvinylidene fluoride
PVE	Polyvinylether
RF	Resorcinol-formaldehyde
SAN	Styrene-acrylonitrile
SB	Styrene-butadiene
UF	Urea-formaldehyde
UP	Unsaturated polyesters

ADDENDUM 2 TO THE EXPLANATORY NOTE

NOTA BENE
*This addendum contains the entire version of the Annex 3 of the "Practical Guide N.1" followed by the entire version of the "SCF guidelines" extracted also from the Annex 2 of the "Practical Guide N. 1", **without any relevant change.** Moreover it contains the relevant parts of the appendices of the "Note for Guidance" referring to the mutagenicity tests as well as the hydrolysis and migration data.*
*Therefore the reader of the "Synoptic 6" may know rapidly what data should be provided in order to obtain a re-evaluation of a substance classified in SCF lists 6-9 and W. **However it is strongly recommend to read carefully the "Practical Guide N.1.", if you intend to supply the data requested, mainly the Annex 2 and 3 of the mentioned "Practical Guide N.1"*** Because this addendum is an extract of the Practical Guide N. 1, the references to the pages have been changed in order to facilitate at maximum the lecture.

FIRST PART: Data requested for substances classified in Lists -6-9 and W"

SECOND PART"SCF guidelines"

FIRST PART

DATA REQUESTED FOR SUBSTANCES CLASSIFIED IN LISTS 6-9 AND IN LIST W

(extract from the annex 3 of the "Practical Guide N. 1")

INTRODUCTION

1. The Commission services wish to emphasise that the applicant should read carefully "Note for Guidance" (see p. 23 of the "Practical Guide N. 1"), particularly the "SCF Guidelines" in order to supply the correct data requested by the SCF for the evaluation of a substance.

2. The Commission services moreover wish to stress that theSCF Guidelines represent an attempt to specify as much as possible the data to be supplied in order to allow the SCF to evaluate the risk connected by the use of a substance in materials in contact with foodstuffs. However the SCF recognised, that the size of the data base, which might be required for evaluation, would depend on whether it is intended to submit a "full dossier" or a "reduced dossier". "Full" dossier containing the complete core set of toxicological data are essential, in principle, for an evaluation in terms of a TDI. However, even in these circumstances deviations from the core requirements could be made, provided an adequate justification for this approach and appropriate reasons are given for omitting any toxicological test. When it is not intended to request the establishment of a TDI, a "reduced" dossier would be acceptable as outlined in paragraphs 6.3.1 to 6.3.3.of theSCF Guidelines" (see pages 24 and 25 of this document).

Definitively, it is strongly recommended to the applicant to specify clearly in the summary data sheets (see p. 83 of the "Practical Guide N. 1") whether he wishes to deviate from theSCF Guidelines" and the reasons of his deviation.

3. On the basis of the letter received in the last years, the Commission services think that the applicants have some difficulties to know which data should be supplied to the SCF for the substances allocated into lists 6-9 and list W. Therefore they decided to issue this specific document, where, for each list, the data requested by the SCF as well as the possible options and consequences are clearly specified.

4. It must be stressed that the SCF considered the requests listed in "Sixth amendment" for dangerous substances (79/831/EEC O.J. L. 259 of 15 October 1979) and the data base for the authorization of a substance by the FDA. The SCF conclusion was that both data, in principle, are inadequate to obtain a classification into lists 0-4, unless they are accompanied by a technical explanation in which the applicant has provided an adequate justification for this approach and gives the appropriate reasons for omitting any migration or toxicological test. Therefore the applicant is invited to comply withSCF Guidelines in order to obtain a complete evaluation of a substance.

5. To facilitate the comprehension of this document, the definitions of the SCF lists 6-9 and list W are reported below:

LIST 6

Substances for which suspicions exist about their toxicity and for which data are lacking or are insufficient.

The allocations of substances to this list are mainly based upon similarity of structure of chemical substances already evaluated or known to have functional groups that indicate carcinogenic or other severe toxic properties.

Section A

Substances suspected to have carcinogenic properties. These substances should not be detectable in foods or in food simulants by an appropriate sensitive method for each substance.

Section B

Substances suspected to have toxic properties (other than carcinogenic). Restrictions may be indicated.

LIST 7

Substances for which some toxicological data exist, but for which an ADI or TDI could not be established. The required additional information should be furnished.

LIST 8

Substances for which no or only scanty and inadequate data were available.

LIST 9

Substances and groups of substances which could not be evaluated due to lack of specifications (substances) or to lack of adequate description (groups of substances). Groups of substances should be replaced, where possible, by individual substances actually in use.

Polymers for which the data on identity specified inSCF Guidelines are not available.

LIST W

"Waiting list". Substances not yet included in the existing positive lists of Member States. Although these substances appear in Synoptic documents, they are not susceptible to be included in the Community lists, lacking the data requested by the Committee.

SUMMARY OF ADDITIONAL DATA REQUESTED BY SCF FOR SUBSTANCES CLASSIFIED IN LISTS 6A, 6B, 7, 8, 9 AND W.

SUBSTANCES CLASSIFIED IN LIST 8 OR LIST 6A OR LIST 6B

If not yet transmitted, the applicant should provide data on:

- chemical properties and stability
- use
- migration (see p. 37) (N.B. The data shall be always provided except if they may be derived from calculation (see point 6.3.4 in "SCF Guidelines", p.49).
- Toxicology (see below)

Concerning the toxicological data to be submitted, these depend on the level of migration (M) obtained in the "worst" possible or foreseeable case. Three situations have been set out by the SCF in its guidelines (pages 39 and 40 of this document) and these are hereinafter repeated:

"6.3.1. IF 5< M < 60 MG/KG OF FOOD OR FOOD SIMULANT

the applicant should provide the following "full dossier" containing:

- a 90-day oral study
- 3 mutagenicity studies (see for the details p. 42)
  - i) a test for gene mutations in bacteria
  - ii) a test for chromosomal aberrations in cultured mammalian cells;
  - iii) a test for gene mutations in cultured mammalian cells; under special circumstances another validated eukaryotic test detecting gene-mutations may be acceptable;
- studies on absorption, distribution, metabolism and excretion;
- data on reproduction;
- data on teratogenicity;
- data on long-term toxicity/carcinogenicity.

These studies should be carried out according to the instructions in the EEC Directives and/or OECD guidelines, including "Good Laboratory Practice" (see bibliography, p. 41).

"6.3.2. IF 0.05 < M < 5 MG/KG OF FOOD/FOOD SIMULANT:

the applicant should provide either the "full dossier" mentioned in 6.3.1. in order to obtain an allocation of a TDI or the "reduced dossier" containing at least the following data:

- data demonstrating the absence of potential bioaccumulation in animals (e.g. octanol/water partition coefficient);
- data demonstrating the absence of mutagenic potential by the 3 mutagenicity tests listed in 6.3.1;
- 90-day oral toxicity study."
- other additional tests, if they are specifically requested by SCF.

"In principle", if only a "reduced dossier" is available, the SCF will not allocate a TDI but will propose a restriction less or equal to 5 mg/kg of food or food simulant or some other equivalent restriction.

Only in some exceptional cases where other data are available, (i.e. studies on absorption, distribution, metabolism, excretion, reproduction, teratogenicity etc.), the SCF could establish a NOEL and consequently a TDI. Therefore the applicant is invited to summarize in the "Summary data sheet" accompanying the technical dossier the arguments on the basis of which he considers that a TDI could be established.

"6.3.3. IF M < 0.05 MG/KG OF FOOD OR FOOD SIMULANT

The applicant should provide either the "full dossier" mentioned in 6.3.1. in order to obtain an allocation of a TDI or the "reduced dossier" containing at least the migration data (they are necessary) and the data demonstrating the absence of mutagenic potential by the 3 mutagenicity tests listed under 6.3.1."

In principle, if only a "reduced dossier" is available, the SCF will not allocate a TDI but will propose a restriction less or equal to 0.05 mg/kg of food or food simulant or some other equivalent restriction. The SCF stressed that this restriction may be established, only if the migration data in the "worst conditions" are supplied.

NOTA BENE.

a) If, by calculation, it is possible to show that the level of migration of the substance (assuming that 100% of substance migrates) may not exceed the upper limits fixed in points 6.3.2 or 6.3.3, then the applicant can supply only the "reduced" dossier;

b) If the applicant believes that for an adequate evaluation of its substance, it is not necessary to supply all the requested data, he should give in the summary data sheet (see p. 83 of the "Practical Guide N.1") relevant reasons accompanied by supporting documents. **If the technical dossier does not contain a summary data sheet and the requested summaries, it should not be examined;**

c) As regards migration data, see p. 37.

SUBSTANCES CLASSIFIED IN LIST 7

The applicant should provide only the data specifically requested by the SCF.

However it should be noted that, frequently, these data represent only the minimal data requested to enable a first toxicological assessment to be made. These data would suffice for completion of a "reduced dossier", but would not be adequate for providing a "full dossier". In principle, if only a "reduced dossier" is available, the SCF would not allocate a TDI but will propose a restriction depending on the toxicological data available.

SUBSTANCES CLASSIFIED IN LIST 9

The SCF list 9 contains the following categories of substances which are listed below together with a summary of information required:

Category 1
Groups of substances inadequately described e.g. alkyl vinyl ethers; acids aliphatic (C6-C24); nonylphenol.

The applicant should specify, **as a first step**, the individual substances actually used (isomers included!) which are covered by this category, giving for each substance the details described in "SCF Guidelines", paragraph 1.1 and reported again on p. 28.

Category 2
Substances, natural or synthetic, which need specifications (e.g. castor oil; polymers or copolymers).

The applicant should provide, **as a first step**, specifications for these substances according to "SCF Guidelines" paragraphs 1.2 or 1.3 for the mixtures and to paragraph 1.4. for polymers used as additives (see p. 28 and also explanation on p. 19 of the "Practical Guide N.1"). Particularly important is the reference to specifications given, for example, by JECFA, Codex Alimentarius, Food Chemicals Codex, European or US Pharmacopoeias. The SCF examines the dossier and decides which types of additional data should be transmitted by the applicant (e.g. migration and/or toxicological data). The applicant finally supplies the requested additional data.

Category 3
Mixtures, defined or not defined, and inadequately described for toxicological evaluation.

The applicant should provide, **as a first step**, full details of these mixtures, according toSCF Guidelines in paragraphs 1.2 and 1.3, set out again in p.28 and also explanation in p.13 and following of "Practical Guide N.1"). The SCF examines the dossier and decides which types of additional data should be transmitted by the applicant (e.g. migration and/or toxicological data). The applicant then supplies the requested additional data.

SUBSTANCES CLASSIFIED IN WAITING LIST

This case applies only to the "new" substances e.g. substances not yet included in the "official" Community list and never authorized at national level. It has to be underlined that these "new" substances are evaluated and classified applying the same criteria used for the "old" substances (substances already authorized at national level). **However they will only be included in the draft of the proposals for Directives if they are transferred in lists 0-4.** They are listed in the "Synoptic 6" only for information. If the substance is allocated in waiting list without any further indication ("W" in the column "SCF_L" of the "synoptic 6") or with the indication W8, the applicant should supply all the data depending on the level of migration obtained (see points 6.3.1-6.3.3, pages 24 and 25). If the substance is allocated into W7 or W9 supply the data respectively mentioned for the substances classified in lists 7 or 9.

DATA REQUESTED BY SCF IN ORDER TO RECLASSIFY A LIST 9 SUBSTANCE

1. IDENTITY

1.1. In the case of an individual, well-defined substance give:

1.1.1. Chemical names (IUPAC and some synonyms such as common name, CAS name and trade name).
1.1.2. CAS number.
1.1.3. Molecular and structural formulae; molecular weight.
1.1.4. Degree of purity; methods for determination of purity; qualitative and quantitative data concerning impurities.
1.1.5. Spectroscopic data; supply data which allow identification and characterisation of the substance, e.g. infrared and/or mass spectrometry.

1.2. Mixtures which can be defined.

a) Mixtures arising from natural sources.
These mixtures shall be submitted accompanied by toxicological data referring to the whole mixture with description of each component in accordance with paragraphs 1.1.1. - 1.1.5 and the proportion of each component.

b) Synthetic mixtures.
Each component of a synthetic mixture shall be submitted separately.

1.3. Mixtures which cannot be defined.

A description as complete as possible should be supplied, including:
a) the compounds or raw materials used in preparing the mixture;
b) the production process, production control and reproducibility of the process;
c) the method used to purify the product;
d) the substances formed during the process.

1.4. Polymer used as additive

1.4.1. CAS. N°
1.4.2. structure
1.4.3. starting substances and other substances present (e.g. impurities, additives) as well as their relative amounts
1.4.4. average molecular weight (in ponderal terms)
1.4.5. curve of the distribution of the molecular weights (ordinate weight % of molecules having a certain MW, abscissa the MW)(see figure on p. 36)

****

SECOND PART

SCF GUIDELINES

PRESENTATION OF A REQUEST FOR ASSESSMENT OF A SUBSTANCE TO BE USED IN PLASTICS MATERIALS AND ARTICLES INTENDED TO COME INTO CONTACT WITH FOODSTUFFS

(Extract of the annex 2 of the "Practical Guide N.1"

NOTA BENE
The document reported here as that included in "Practical Guide N.1" differs in some details from the same document published in the SCF Report, Series N. 26 (1992). The applicant is invited to follow strictly the document reported here.

MEMO

The addendum 2 of the explanatory note contains in the first part the entire version of the Annex 3 of the "Practical Guide N.1" and in the second part the entire version of the "SCF Guidelines" extracted also from "Practical Guide N. 1", without any relevant change. Moreover it contains in the second part the relevant pieces of the appendices which refer to the mutagenicity tests and to the hydrolysis and migration data.
The aim of this repetition is to allow the reader of the "Synoptic 6" to know rapidly what data should be provided in order to obtain a re-evaluation of a substance classified in SCF lists 6-9 and W. However it is strongly recommended to read carefully the "Practical Guide N.1.", if you intend to supply the data requested, mainly the Annex 2 and 3.

WARNING TO THE APPLICANTS

PROVIDE THE DATA REQUESTED BY SCF AS SOON AS POSSIBLE, OTHERWISE YOUR SUBSTANCE MAY NOT APPEAR IN THE FUTURE COMMUNITY LIST.

YOUR APPLICATION MAY NOT BE EXAMINED, IF YOU DO NOT FOLLOW COMMISSION SERVICES GUIDELINES CORRECTLY.

AVOID MAKING ONE OF THE FOLLOWING MOST COMMON MISTAKES, IF YOU WANT YOUR APPLICATION TO BE EXAMINED.

THE TEN RULES
FOR FOOD PACKAGING APPLICATIONS

1. READ CAREFULLY AND FOLLOW STRICTLY THE "NOTE FOR GUIDANCE" IN THE PREPARATION OF ANY APPLICATION AND BEFORE ANY REQUEST OF INFORMATION.

2. CONTACT EUROPEAN PROFESSIONAL ASSOCIATIONS OR NATIONAL AUTHORITIES, IF YOU NEED FURTHER EXPLANATION.

3. CONTACT THE COMMISSION SERVICES ONLY IF YOU ARE LOCATED OUTSIDE OF THE EUROPEAN COMMUNITIES OR IF, BY APPLYING THE RULES N.1 AND N.2, YOU DID NOT RECEIVE A SATISFACTORY ANSWER.

4. SEND A SINGLE APPLICATION FOR ANY SINGLE SUBSTANCE.

5. USE ONLY THE MODEL OF LETTERS PROVIDED IN THE "NOTE FOR GUIDANCE" AND ENCLOSE ALL THE MENTIONED DOCUMENTS AND SEND THEM TO ALL INDICATED PERSONS.

6. DO NOT SEND AN INCOMPLETE TECHNICAL DOSSIERS, BECAUSE THE SCF WILL REFUSE TO EXAMINE IT, UNLESS YOU ARE ABLE TO GIVE AN EXPLANATION IN THE "SUMMARY DATA SHEET".

7. REMEMBER a) TO ALWAYS FILL OUT A "SUMMARY DATA SHEET", INCLUDING THE SUMMARIES OF MIGRATION DATA AND OF TOXICOLOGICAL DATA AND b) TO SEND THE ORIGINAL DATA (AND NOT ONLY REFERENCES).

8. CONSULT EUROPEAN PROFESSIONAL ORGANIZATIONS OR NATIONAL AUTHORITIES BEFORE TRANSMITTING A TECHNICAL DOSSIER TO THE COMMISSION SERVICES, IN ORDER TO BE SURE THAT THERE IS NO CHANGE IN THE NOTE FOR GUIDANCE.

9. SEND LETTERS ONLY. DO NOT SEND FAXES OR FAXES FOLLOWED BY LETTERS

10. INCLUDE AN ADDRESS LABEL WITH YOUR LETTER, IF YOU WISH TO RECEIVE A QUICK ANSWER. ALWAYS ADD A COPY OF THE PREVIOUS CORRESPONDENCE, IF YOU REFER TO IT IN YOUR LETTER

THE SEVEN MAIN COMMON MISTAKES IN THE APPLICATIONS

1. NOT USING THE APPROPRIATE MODEL LETTER

2. NOT SENDING FULL DOSSIER TO COMMISSION AND RIVM

3. SENDING AN *INCOMPLETE* TECHNICAL DOSSIER OR A DOSSIER DEVIATING FROM GUIDELINES WITHOUT ANY EXPLANATION

4. NOT SENDING REQUESTED DATA OR SENDING DATA NO REQUESTED

5. NOT SENDING THE "SUMMARY DATA SHEET" OR SENDING THE "SUMMARY DATA SHEET" WITHOUT THE APPROPRIATE SUMMARY OF THE MIGRATION DATA OR TOXICOLOGICAL DATA.

6. PUTTING REFERENCES OR SUMMARIES IN THE TECHNICAL DOSSIER WITHOUT SENDING THE ORIGINAL DATA.

7. SENDING A SINGLE APPLICATION FOR MORE THAN ONE SUBTANCE.

6 SCF GUIDELINES

"Guidelines for presentation of data for toxicological evaluation of a substance to be used in materials and articles intended to come into contact with foodstuffs"

INTRODUCTION

These guidelines are written for plastic materials and articles, but they are also largely applicable to any material in contact with foodstuffs for which a list of authorized substances (positive list) is provided. Food utensils and any surface intended to come into contact with foodstuffs are also covered in this document by the term "packaging materials".

Packaging materials can contain substances that are capable of migrating into the packaged food. These toxicological guidelines are designed to assess potential hazards to consumers resulting from oral exposure due to migration of packaging substances into food.

Substances persisting in the environment can have harmful effects on the environment and/or can accumulate in food chains. There is currently no requirement for supplying information on the persistence of a substance in the environment or on its ecotoxicological impact to the Scientific Committee for Food. This information may have to be supplied to the appropriate competent authority. The fate of substances in the finished material or article after it has been submitted to waste disposal treatment is also considered by other competent authorities.

The safety in use of a substance in packaging materials depends on many factors, for example:

a. the biological properties of the substance (see later, point 6);

b. the maximum quantity of the substance likely to be consumed per day, which depends on:

i. the types of packaging materials which contain the substance;

ii. the fraction of each packaging material which contains the substance and quantities of the substance incorporated;

iii. the length of contact of the foods with the materials, the unit weight of food in relation to the surface area of packaging and temperatures encountered while food is in contact with the material;

iv. the extent of migration of the substance or of its breakdown products into each type of food and its possible reactions with food components;

v. the types of food packaged;

vi. the proportion of each type of food which is packaged in each type of packaging material;

vii. the quantities of foods consumed which have been in contact with each of the packaging materials containing the substance;

c. the frequency with which food containing the substance or its breakdown products or its reaction products with food is consumed;

d. the period over which food containing the substance is consumed. This is related to the period over which the substance is actually used in the manufacture of packaging materials intended for food contact. Technological advances have produced increasingly sophisticated types of packaging materials and many substances have been used in packaging formulations for limited periods, to be superceded by others. Some substances however have been in use for more than 20 years.

Substances migrating into food are not necessarily identical with substances used in the production of the packaging. Therefore, in assessing the safety of packaging materials, it is the toxicity of the substance which migrates that has to be assessed, since it is only this substance to which the consumer of the food is exposed.

In order to assess any risks to public health from using a substance in the production of food packaging materials, it is necessary to determine the identity of the chemical or chemicals which actually migrate into food, the quantities (in average and in extreme cases) which migrate into the total daily diet, and the toxicological profile of each chemical.

These guidelines set out the minimum data required to achieve the above objectives when approval of a new substance is being sought.

INFORMATION TO BE SUPPLIED FOR THE EVALUATION OF A SUBSTANCE TO BE USED IN MATERIALS AND ARTICLES IN CONTACT WITH FOOD

Reports submitted must contain sufficient details for evaluation. They should be structured in the order given below under 1-6. Justification for any deviation from the following guidelines must be given in the summary data sheet (see p. 83 of the "Practical Guide N.1."). Any reference to published information offered in support of an application should be accompanied by reprints or photocopies of such references. A summary data sheet must also be prepared.

1. IDENTITY OF THE SUBSTANCE

NOTA BENE: In order to enable the preparation of a bank of reference substances and a handbook containing characteristic spectra and other physico-chemical data, a sample of 250 grams of the substance should be supplied to the following laboratory which is collaborating with the Commission of the European Communities - Community Bureau of Reference:

MAFF Food Science Laboratory
("Program: Reference substance for food packaging")
Colney Lane
Norwich NR4 7UQ
UNITED KINGDOM
Phone : (0603)259350
Fax: (0603)501123

If the substance is a gas at room temperature, a solution of the substance should be supplied at an appropriate concentration and in an appropriate solvent. In the case of difficulties in preparing the sample to be supplied, the applicant is instructed to contact the above mentioned laboratory.

1.1. In the case of an individual, well-defined substance give:

1.1.1. Chemical names (IUPAC and some synonyms such as common name, CAS name and trade name).
1.1.2. CAS number.
1.1.3. Molecular and structural formulae; molecular weight.
1.1.4. Degree of purity; methods for determination of purity; qualitative and quantitative data concerning impurities.
1.1.5. Spectroscopic data; supply data which allow identification and characterization of the substance, e.g. infrared and/or mass spectrometry.

1.2. Mixtures which can be defined.

a) Mixtures arising from natural sources.
These mixtures shall be submitted accompanied by toxicological data referring to the whole mixture (see point 6) with description of each component in accordance with points 1.1.1. - 1.1.5 and the proportion of each component.

b) Synthetic mixtures.
Each component of a synthetic mixture shall be submitted separately.

1.3. Mixtures which cannot be defined.

A description as complete as possible should be supplied, including:

1.3.1. the compounds or raw materials used in preparing the mixture;

1.3.2. the production process, production control and reproducibility of the process;

1.3.3. the method used to purify the product;

1.3.4. the substances formed during the process (by-products).

1.4. Polymer used as additive

1.4.1. CAS. N°

1.4.2. structure

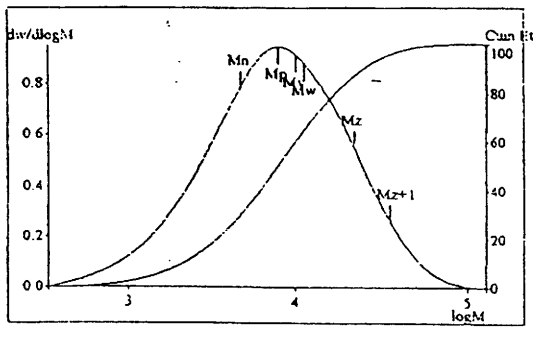
1.4.3. starting substances and other substances present (e.g. impurities, additives) as well as their relative amounts

1.4.4. average molecular weight (in ponderal terms)

1.4.5. curve of the distribution of the molecular weights (ordinate weight % of molecules having a certain MW, abscissa the MW)(see figure below).

N.B. It was suggested that a calibration curve should be supplied including among the standards in the linear correlation two standards with MW of about 1000: a) a polystyrene standard, b) another standard whose structure should be as close as possible to that of the polymeric additive. However this suggestion is not yet discussed.

1.4.6 any relevant toxicological data, if they are available, because they may help accelerate evaluation.



2. PROPERTIES OF THE SUBSTANCE

2.1. Physical: give physical data like melting point, boiling point, decomposition temperature, flash point, vapour pressure and solubility in relevant solvents.

2.2 Chemical: give data e.g. nature of the substance i.e. whether is acidic, basic, or neutral, on reactivity, on stability to light, air, ionising radiation, heat, simulants in the condition of contact (use a concentration approximately 10 times the detection limi), on hydrolysis.

2.3. Information on any decomposition or transformation which the substance may undergo while the material or article is being manufactured; an indication of the decomposition or transformation products which may be formed in the finished material or article during production;

2.4. The maximum temperature reached in the manufacturing process.

2.5. If available, information on possible chemical reactions of the migrating substance with food components.

3. USE

3.1. Technological function of the substance.
3.2. All types of material in which the substance is intended to be used.
3.3. Any particular use of the material (e.g. microwave)
3.4. Maximum percentage in the formulation.
3.5. Maximum percentage which may remain in the material or article, when the amount given under 3.3 is reduced by chemical reactions and by processes such as washing, purification, evaporation, etc. The applicant should provide extraction data and details of the analysis carried out (see also point 5.5. on p. 38 of this document).
3.6. Mention any restrictions for use, e.g. type of foodstuffs, type of material, contact conditions, temperature, etc.

4. INFORMATION ON AUTHORISATION GIVEN BY COUNTRIES AND ON EVALUATION BY INTERNATIONAL ORGANISATIONS

State in which countries and under what conditions the substance is authorised for use in contact with food. Include reference to the official publication concerning the authorisation.

State by which international organisations evaluations have been made and enclose copies of relevant documents.

5. MIGRATION DATA

Ideally, in order to permit estimation of the daily intake of the substance, data should be provided on the extent of migration of the substance, its breakdown and reaction products (specific migration) from each of its formulations into each of the food types packaged under all foreseeable conditions of storage and use. In practice, detection and analysis of low concentrations of substances and breakdown and reaction products migrating into food is often difficult. Thus the only way to determine potential migration into food may be to use food simulants.

When food simulants are used, the provisions concerning the specific and overall migration established in EEC directives (see relevant references referring to this subject on p.41 of this document) or guidelines (see addendum 3 on p. 44) have to be followed.

If the substance is largely transformed during the processes and/or if potentially toxic reaction products are suspected, then data on the specific migration of the reaction products should be supplied.

Migration tests should be carried out with all the materials described in 3.2 (e.g. all types of plastic); in each instance with the maximum percentage of the substance defined in section 3.3 and the largest thickness intended to be used.

Details of migration tests must be reported, particularly the following:

5.1. Detailed composition of sample used, including initial concentration of any identified migrant, obtained by solvent extraction of the sample (see point 5.4).

5.2. Food or food simulant(s) used.

5.3. Conditions of contact such as time, temperature, ratio surface/volume or weight of food or food simulant, type of migration cell used or any other parameter which can influence the level of migration.

5.4. Describe in detail the analytical method(s) and procedure(s) used for the quantitative determination of the substance(s) or its/their decomposition or transformation products. In cases where a specific migration limit is likely to be established, a method of analysis should be proposed and described according to the guidelines provided on p. 65 and following of the "Practical Guide N.1". It should be a method which is suitable for food packaging control and which can be applied with consistent results by any properly equipped and trained laboratory personnel.

5.5 Results of migration data in mg/dm^2 and/or mg/kg.

5.6. Relationship between QM and SML in the worst estimated situation.

6. TOXICOLOGICAL DATA

6.1. The general requirements for toxicological studies which have to be supplied for substances in packaging materials are set out below.

In carrying out toxicological tests, the aim should be to obtain the maximum amount of relevant information using a minimum number of animals (5).

In deciding on the choice of studies, it should be recognised that not all chemicals used in the manufacture of a packaging material will migrate into food. Many will form a stable part of a polymer, some will migrate only in minute quantities, if at all, others will disappear during production, while yet others will decompose completely to yield either no or insignificant residues.

While many substances migrate in the same chemical form in which they were incorporated into packaging materials, others will migrate partially or totally in another chemical form (see point 5). In such cases the toxicological requirements may also apply to transformation or reaction products.

6.2. The essential core set of tests which has to be carried out comprises:

- a 90-day oral study

- 3 mutagenicity studies (see addendum 1, p. 42):

  i) a test for gene mutations in bacteria;
  ii) a test for chromosomal aberrations in cultured mammalian cells,
  iii) a test for gene mutations in cultured mammalian cells; under

special circumstances another validated eukaryotic test detecting gene-mutations may be acceptable;

- studies on absorption, distribution, metabolism and excretion;
- data on reproduction;
- data on teratogenicity;
- data on long-term toxicity/carcinogenicity.

These studies should be carried out according to EEC Directives (6)(7) and/or OECD guidelines, including "Good Laboratory Practice" (8)(9)(10)(11). The test substances should be of the same specification as described in point 1 (see p. 35 of this document).

If the above mentioned studies or prior knowledge indicate that relevant biological effects may occur, additional studies may be required.

At present no validated methods are available for studies in laboratory animals which would allow assessment of a substance's potential to cause intolerance and/or allergic reactions in susceptible individuals following oral exposure. However, studies on dermal or inhalation sensitization may give information relevant to possible hazards from occupational exposure and could be helpful in assessing consumer safety.

Observations in man as provided by health records of people employed in manufacture of the substance and, if relevant, of the polymer, would be regarded as useful ancillary information.

6.3. As a general principle, the greater the extent of migration into food, the more toxicological information will be required.

6.3.1. In cases where migration is above 5 mg/kg of food/food simulant, all the studies on the core list should be carried out. If any test is omitted this must be justified by providing appropriate reasons.

6.3.2. Under certain circumstances not all the core tests may be required, but at least the following should be carried out:
In cases where migration is in the range of 0.05 - 5 mg/kg of food/food simulant:

- demonstrate the absence of potential for bioaccumulation in animals (e.g. octanol/water partition coefficient);
- demonstrate the absence of mutagenic potential by the 3 mutagenicity tests listed above;
- supply a 90-day oral toxicity study.

6.3.3. In cases where migration is lower than 0.05 mg/kg of food/food simulant:

- demonstrate the absence of mutagenic potential by the 3 mutagenicity tests listed above;

6.3.4. As an alternative to determining the migration values mentioned in points 6.3.1, 6.3.2 and 6.3.3, it is possible to calculate the maximum level of migration by assuming that 100% of the substance in question migrates from the packaging material into food/food simulants.

6.3.5. In some cases results of hydrolysis studies may justify a reduction in toxicological testing. This may arise when the chemical structure suggests ready hydrolysis into substances which are toxicologically acceptable (e.g. stearic acid, ethyl ester, which may hydrolyse into a fatty acid and ethyl alcohol). Demonstration of hydrolysis may be carried out in foods or food simulants, representing the range of foods with which the substance may come into contact. Alternatively, or in cases where hydrolysis in food does not occur, hydrolysis can be evaluated in simulated saliva and/or gastrointestinal fluids (see addendum 2, p. 43).

BIBLIOGRAPHY

1) Council Directive 82/711/EEC of 18 October 1982.
(O.J. N. L 297 of 23.10.1982, p. 26).

2) Council Directive 85/572/EEC of 19 December 1985
(O.J. N. L 372 of 31.12.1985, p. 14).

3) Commission Directive 90/128/EEC of 23 February 1990
(O.J. N. L. 349 of 13.12.1990, p. 20).

4) Commission Directive 93/8/EEC of 15 March 1993 amending Council Directive 82/711/EEC (under press)

5) Council Directive 86/609/EEC of 24 November 1986
(O.J. N. L. 358 of 18.12.1986, p. 1).

6) Commission Directive 84/449/EEC of 25 April 1984
(O.J. N. L 251 of 19.09.1984).

7) Commission Directive 87/302/EEC of 18 November 1987
(O.J. N. L 133 of 30.05.1988, p. 1).

8) Council Directive 87/18/EEC of 18 December 1986
(O.J. N. L 15 of 17.01.1987, p. 29)

9) Council Directive 88/320/EEC of 9 June 1988
(O.J. N. 145 of 11.06.1988, p. 35)

10) Council Decision 89/569/EEC of 28 July 1989
(O.J. N. L. 315 of 28.10.1989, p. 1).

11) Commission Directive 90/18/EEC of 18 December 1989
(O.J. N. L. 11 of 13.01.1990, p. 37).

PRACTICAL GUIDELINES FOR MUTAGENICITY TESTING

The following mutagenicity test are recommended.

1.1. A test for gene mutation in bacteria

1.1.1. In S. typhimurium.
1.1.2. If S. typhimurium is not appropriate, the test may be performed with E Coli (WP2 reverse mutation assay).

1.2. A test for chromosomal aberrations in cultured mammalian cells

In vitro mammalian cytogenetics test (CHO or V79 or human lymphocytes)

1.3. A test for gene mutations in cultured mammalian cells

1.3.1. In vitro mammalian cell gene mutation assay (HGPRT or TK+/-) in CHO or V79 or mouse lymphoma L5178Y cells)

1.3.2. Under special circumstances another validated eukaryotic test detecting gene mutations may be acceptable (e.g. Drosophila).

PRACTICAL GUIDELINES FOR HYDROLYSIS TESTS

2.1. Preparation of simulants

2.1.1 Simulated saliva

Dissolve 4.2 g of sodium bicarbonate (NaHC03), 0.5 g of sodium chloride (NaCl), and 0.2 g of potassium carbonate (K_2C03) in 1 litre of distilled water or water of equivalent quality. The solution should be approximately pH 9.

2.1.2. Simulated gastric fluid

HCl 0.07 M (pH 1.15)

2.1.3. Simulated intestinal fluid

Dissolve 6.8 g of KH_2P04 in 250 ml of water and add 190 ml of 0.2 M NaOH and 400 ml of water. Add 10.0 g of pancreatin, mix, and adjust the resulting solution with 0.2 M NaOH to a pH of 7.5 + 0.1. Dilute with water to 1000 ml.

2.2. Procedure

Simulants should be in contact with the test substances at a temperature of 37°C for 1, 2 and 4 hours with shaking. The concentration of the test substance used should not be lower than maximum likely human intake predicted from migration studies. The hydrolysates should be examined by quantitative methods for both parent compound and breakdown products.

N.B. Non-water soluble substances.

The Commission services recently founded experimental research, the aim of which was to find a solvent dispersion method for non-water soluble substances. Although the study is not yet finished, it could be useful for the applicants to know how the contractor believes to solve the problem. This suggestion is reported below and , at this stage, cannot be considered a suggestion of the SCF - which has not yet been consulted - or of the Commission services.

For those test substances which are not fully soluble in the simulants at the concentrations selected, satisfactory dispersion in the simulants can usually be achieved by first dissolving the test substance in a small quantity of a water miscible solvent and then adding the solution to the simulant. Care must however be taken to ensure that during the hydrolysis test period the dispersedance is not isolated onto the walls of the vessel used for the hydrolysis studies and removed from contact with the simulant."

Addendum 3

GUIDELINES FOR OBTAINING AND DESCRIBING MIGRATION DATA

1. The applicant should follow the general criteria given in the "SCF guidelines" (see point 5 on p. 37). As it is specified here, the migration data should be obtained by applying the conditions established in EEC directives (see references on p. 41).
   It is also recommended to follow the guidance given in the following CEN documents:
   - "Guide to the selection of conditions and test methods for overall migration" (ENV..., under press);
   - "Guide to the selection of conditions and test methods for specific migration and determination of substances in plastics" (ENV...., under press).

N.B.
1. Send a letter to CEN (Mr. Jeanson), rue Stassart 36, B-1050 Brussels (fax: (02)5196819 -phone (02)5196819) for obtaining a copy of the above mentioned documents.
2. Read carefully and apply (see * at p. 86 of this document) the paragraph "Assessment of results" of the mentioned CEN documents.
3. Remember that in the total immersion test, only for the samples having a thickness greater than 0.5 mm, it is allowed to divide for both the surfaces.

However, in order facilitate the applicant, a summary of the main conditions contained in these Directives is given in the addendum as well some practical guidelines in some specific cases.

2. The applicant should avoid submitting data obtained in conditions, e.g. FDA conditions, other than those here specified ("different conditions"). Only if the applicant can indicate that the data obtained in "different conditions" is equivalent or more stringent to that obtained applying these guidelines, then the SCF, exceptionally and case by case, may consider this data as being equivalent. In these cases, however, the applicant should provide supporting documents or convincing arguments, otherwise the migration data cannot be considered appropriate.

3. The Commission services also stress that the applicant should, in principle, use the methods of analysis "validated" at Community level. For the purpose of this document the term "validated" is taken to mean a method which is recognized by one of the following organizations:
   1) European Communities;
   2) CEN
   3) other organizations, generally recognized qualified in this matter (e.g. ISO, ASTM, AOAC).

   If such a method does not currently exist, an analytical method with appropriate performance characteristics (accuracy and precision) at the specified limit may be used.

4. The Commission services also stress that the applicant should, in principle, describe the methods of analysis as indicated in p.65 of the "Practical Guide N. 1". This is particularly important, if the method is not described in the scientific literature or for the new substances.

(See Directive 93/8/EEC concerning the first amendment of Directive 82/711/EEC on basic rules for testing migration in food simulants, under press)

EXCEPTIONS TO THE EEC TEST CONDITIONS FOR MIGRATION

Hereinafter some special cases are reported as examples of possible derogations from the EEC test conditions for migration (food simulants, time and temperature) in accordance with paragraphe 5 (see p. 37).

1. If there is conclusive experimental proof that the detection limit in the simulant D is greater than 0.05 mg/kg and therefore, it would be impossible to present a "reduced" dossier as provided in point 6.3.3 (see p.39) ofSCF Guidelines, the applicant may replace the simulant D by one of the following "alternative EEC fat food simulants":

   - isooctane
   - ethanol 50% or 95%

   In that case it should be demonstrated that the substance under examination is sufficiently soluble in the alternative food simulant.

2. In the case of isooctane the test conditions to be used are indicated in the following table in correspondence with the test conditions used for the "Fat test":

Test condition with olive oil	**Test conditions with iso-octane**
10 d - 5 °C	0.5 h - 5 °C
10 d - 20 °C	1 h - 20 °C
10 d - 40 °C	2 d - 20 °C
2 h - 70 °C	0.5 h - 40 °C
1 h - 100 °C	0.5 h - 60 °C
0.5 h - 121 °C	1 h - 60 °C *
0.5 h - 130 °C	1 h - 60 °C *
2 h - 150 °C	2 h - 60 °C *
2 h - 175 °C	3 h - 60 °C *

(*) Before submitting a sample of the material to the test using isooctane ascertain that the material can withstand contact with oilve oil at elevated temperature by submerging a sample in olive oil under relevant t-T conditions taken from the table.

3. In the case of ethanol, the test for 10 d at 40 °C is replaced by a test using 1, 2, 4 and 10 days at 40°C at the following concentrations:

   (i) 50% (e.g. for PVC/PETP/PS)
   (ii) 95% (e.g. polyolefins)

4. If there is conclusive proof that the test for the determination of the migration in simulant D is inadequate from a technical standpoint, the applicant may replace the simulant D as indicated in paragraph 1.

5. The fat test for global migration need not to be necessarily carried out, if it is shown that the extraction by a solvent, carried out with a validated procedure, gives an extract higher than one obtained in the migration test according to the Directives.

   Solvents to be used should have low boiling points (B.P. < 100°C) and should be capable of causing swelling of the polymer. As a general rule, non polar polymers, e.g. polyolefines should be treated with non polar solvents e.g. heptane, iso-octane and polar polymers, e.g. polyamide should be treated with polar solvents, e.g. methanol, ethanol. Medium polar materials, such as polyesters can be treated with e.g. ethyl acetate, dichloromethane.

Question: Shall the reduction factors to be used in the case of replacement of olive oil by other simulants?

Answer : Yes.

PROVISIONAL LIST OF MONOMERS

Monomer and other starting substance" means any substance used in the manufacture of a macromolecule, which constitutes the repeating unit of a polymer chain or polymer network of any substance used in the manufacture of a plastic for food contact application. It includes also the substances used to modify existing natural or synthetic macromolecular substances. According to Directive 90/128/EEC, Annex 2, paragraph 1, the following substances are included in this definition:

"- substances undergoing polymerization, which include polycondensation, polyaddition or any other similar process, to manufacture macromolecules;
- natural or synthetic macromolecular substances used in the manufacture of modified macromolecules, if the monomers or the other starting substances required to synthesize them are not included in the list;
- substances used to modify existing natural or synthetic macromolecular substances."

Although the definition and the examples seem very precise, some difficulties arise in the identification of the "monomers and other starting substances" in practice. Therefore it is recommended to read carefully the explanation given in the Annex 1 of the "Practical Guide N.1" on pages 9 and 10.

See also Annex 1 bis pag.137 of this document.

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
10030	00514-10-3	ABIETIC ACID	+	2	Group TDI: 1 mg/kg b.w. 90-day and 2-year oral rat studies. (Ind Bio Test, 1962). (SCF, 17th Report, 1986).		+	+
10060	00075-07-0	ACETALDEHYDE	+	2	TDI: 0.1 mg/kg b.w. Toxicity profiles similar to methaldehyde. A 2-year oral rat study and a 3-generation oral rat study including teratogenicity with methaldehyde. The reports on nasal carcinogenicity after inhalation were considered without relevance for effects from oral intake of smaller doses.	X	+	+
10090	00064-19-7	ACETIC ACID	+	1	Group ADI: not specified. (SCF, 25th Series, 1990).		+	+
10120	00108-05-4	ACETIC ACID, VINYL ESTER	+	2	TDI: 0.2 mg/kg b.w. 90-day oral studies and metabolism studies in mice and rats, teratogenicity studies in rats and several mutagenicity studies negative. (Hazleton: 2146-51/4 January 1980; 2511-51/11-14 and 2195-51/6 & 7).	Z	+	+
10150	00108-24-7	ACETIC ANHYDRIDE	+	2	Group TDI: included in the ADI not specified for acetic acid. (SCF, 25th Series, 1990).		+	+
10155	00542-02-9	*ACETOGUANAMINE	+			Same 15280	+	+
10160	02206-94-2	*alpha-ACETOXYSTYRENE	+	6A		S1(24730)	+	
10162	10521-96-7	*beta-ACETOXYSTYRENE	+	6A		S1(24730)	+	
10180	00556-08-1	*p-(ACETYLAMINO)BENZOIC ACID	D	7	Needed: 28-day oral study, hydrolysis and migration data.	PAR	+	
10210	00074-86-2	ACETYLENE	+	3	Residues of this gas in plastics are very small. The gas has low toxic potential.	PO	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					Migration into food will be toxicologically negligible. (NIOSH, Criteria for a recommended standard, HEW Publ. n. 76-195).			
10215	-	*ACIDS, ALIPHATIC AND CYCLIC, MONO- AND POLYCARBOXYLIC, ALLYL ESTERS		9		Ex L9*		+
10218	-	*ACIDS, ALIPHATIC AND CYCLIC, MONO- AND POLYCARBOXYLIC, CROTONYL ESTERS		9		Ex L9*		+
10221	-	*ACIDS, ALIPHATIC AND CYCLIC, MONO- AND POLYCARBOXYLIC, METHALLYL ESTERS		9		Ex L9*		+
10224	-	*ACIDS, ALIPHATIC AND CYCLIC, MONO- AND POLYCARBOXYLIC, VINYL ESTERS		9				+
10230	-	*ACIDS, ALIPHATIC, DICARBOXYLIC (C3-C18), DIALLYL ESTERS		9		Ex L9*		+
10233	-	*ACIDS, ALIPHATIC, DICARBOXYLIC (C3-C18), DIVINYL ESTERS		9		Ex L9*		+
10240	-	*ACIDS, ALIPHATIC, DICARBOXYLIC, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC	D	9		PE/ Ex L9	+	+
10270	-	*ACIDS, ALIPHATIC, DICARBOXYLIC (C3-C12), ESTERS WITH ALCOHOLS, UNSATURATED (C3-C18)	D	9		PE/Ex L9	+	
10280	-	*ACIDS, ALIPHATIC, DICARBOXYLIC, LINEAR (C6-C12)		9		Ex L9*		+
10285	-	*ACIDS, ALIPHATIC, DICARBOXYLIC, LINEAR (C2-C12), METHYL ESTERS		9		Ex L9*		+
10300	-	*ACIDS, ALIPHATIC, DICARBOXYLIC, SATURATED (C4-C18)	D	9		Ex L9	+	+
10305	-	*ACIDS, ALIPHATIC, DICARBOXYLIC, SATURATED (C4-C22)		9		Ex L9*		+
10315	-	*ACIDS, ALIPHATIC, DICARBOXYLIC, SATURATED, ESTERS WITH POLYPROPYLENEGLYCOL		9		Ex L9*		+
10330	-	*ACIDS, ALIPHATIC, DICARBOXYLIC, UNSATURATED (C4-C12)	D	9		Ex L9	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
10360	-	*ACIDS, ALIPHATIC, DICARBOXYLIC, UNSATURATED, ESTERS WITH POLYETHYLENEGLYCOL	D	9		UP/ Ex L9	+	+
10390	-	*ACIDS, ALIPHATIC, DICARBOXYLIC, UNSATURATED, ESTERS WITH POLYPROPYLENEGLYCOL	D	9		PUR,UP/ Ex L9	+	+
10400	-	*ACIDS, ALIPHATIC, DICARBOXYLIC, UNSATURATED (C4-C12), omega-SULPHOALKYL(C2-C6) DIESTER		9		Ex L9*		+
10410	-	*ACIDS, ALIPHATIC, DICARBOXYLIC, UNSATURATED (C4-C12), omega-SULPHOALKYL(C2-C6) ESTERS OF MONOALKYL(C1-C18) ESTERS		9		Ex L9*		+
10420	-	*ACIDS, ALIPHATIC, MONO- AND DICARBOXYLIC (C2-C20), VINYL ESTERS	D	9		Ex L9	+	
10435	-	*ACIDS, ALIPHATIC, MONOCARBOXYLIC, BRANCHED (C8-C20)		9		Ex L9*		+
10450	-	*ACIDS, ALIPHATIC, MONOCARBOXYLIC (C3-C12), ESTERS WITH ALCOHOLS, UNSATURATED (C3-C18)	D	9		Ex L9	+	+
10480	-	*ACIDS, ALIPHATIC, MONOCARBOXYLIC, SATURATED (C2-C24)	+	9-P		Mixt/Ex L9	+	+
10510	-	*ACIDS, ALIPHATIC, MONOCARBOXYLIC, UNSATURATED (C3-C24)	+	9-P		Ex L9/Mixt/	+	+
10540	-	*ACIDS, ALIPHATIC, MONOCARBOXYLIC, UNSATURATED (C3-C8), ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C2-C12)	D	9		Ex L9	+	+
10570	-	*ACIDS, ALIPHATIC, MONOCARBOXYLIC, UNSATURATED, ESTERS WITH POLYPROPYLENEGLYCOL	D	9		Ex L9	+	
10572	-	*ACIDS, ALIPHATIC, MONOCARBOXYLIC, UNSATURATED (C3-C18), omega-SULPHOALKYL(C2-C6) ESTERS		9		Ex L9*		+
10574	-	*ACIDS, ALIPHATIC, MONOCARBOXYLIC (C2-C20), VINYL ESTERS		9		Ex L9*		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
10576	-	*ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C1-C18)		9		Ex L9*		+
10578	-	*ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC (C1-C18)		9		Ex L9*		+
10580	-	*ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), ESTERS WITH ALKYL(C8-C18)ARYLPOLY (ETHYLENE- AND/OR PROPYLENE- AND/OR BUTYLENEGLYCOL) (ARYL = BENZENE OR NAPHTHALENE)		9		Ex L9*		+
10582	-	*ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), ESTERS WITH ALKYL(C8-C18)POLY(ETHYLENE- AND/OR PROPYLENE- AND/OR BUTYLENEGLYCOL)		9		Ex L9*		+
10584	-	*ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), ESTERS WITH CYCLOHEXANOL		9		Ex L9*		+
10586	-	*ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), ESTERS WITH ETHER ALCOHOLS (C2-C20)		9		Ex L9*		+
10588	-	*ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), ESTERS WITH POLY(ETHYLENE- AND/OR PROPYLENE- AND/OR BUTYLENEGLYCOL)		9		Ex L9*		+
10590	-	*ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), MONOESTERS WITH BUTANEDIOL		9		Ex L9*		+
10592	-	*ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12) MONOESTERS WITH ETHYLENEGLYCOL		9		Ex L9*		+
10594	-	*ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), MONOESTERS WITH PROPANEDIOL		9		Ex L9*		+
10595		*ACIDS ALIPHATIC, SATURATED(C10), VINYL ESTERS		9		S2(10224)		+
10596	-	*ACIDS, FATTY, ABOVE C6		9				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
10598	-	*ACIDS, FATTY, DIMERS AND TRIMERS		9				+
10598/1	-	*ACIDS, FATTY, SATURATED(C6-C18)		D		Ex L9*		+
10599/50		*ACIDS,FATTY,SATURATED(C8)		9		S2(10576,10596)		+
10599/53		*ACIDS,FATTY,SATURATED(C9)		9		S2(10576,10596)		+
10599/56		*ACIDS,FATTY,SATURATED(C10)		9		S2(10576,10596)		+
10599/70		*ACIDS,FATTY,UNSATURATED(C18)	+	9		S1(10600) S2(10576,10596)	+	+
10599/73		*ACIDS,FATTY,UNSATURATED(C20)		9		S2(10576,10596)/See cs/pm/1690		+
10599/76		*ACIDS,FATTY,UNSATURATED(C22)		9		S2(10596)/see cs/pm/1690		+
10599/79		*ACIDS,FATTY,UNSATURATED(C24)		9		S2(10596)		+
10599/90	61788-89-4	*ACIDS, FATTY, UNSATURATED(C18), DIMERS	D	D		Name changed.Replaced by 10599/90A	+	+
10599/90A	61788-89-4	*ACIDS, FATTY, UNSATURATED(C18), DIMERS, DISTILLED	+	7	The substances 10599/90,91,92,93 will be evaluated as a group. Needed: migration data for dimers, hydrogenated, distilled (PM/REF. 10599/92) and toxicity data for dimers non distilled (PM/REF. 10599/91).	Replace 10599/90	+	+
10599/91	61788-89-4	*ACIDS, FATTY, UNSATURATED(C18), DIMERS, NON DISTILLED	+	7	See references for 10599/90A.	SCF split	+	+
10599/92	68783-41-5	*ACIDS, FATTY, UNSATURATED(C18), DIMERS, HYDROGENATED	D	D		Name changed. Replaced by 10599/92A	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
10599/ 92A	68783-41-5	*ACIDS, FATTY, UNSATURATED(C18), DIMERS, HYDROGENATED, DISTILLED	+	7	See references for 10599/90A.	/Replace 10599/92	+	+
10599/ 93	68783-41-5	*ACIDS, FATTY, UNSATURATED(C18), DIMERS, HYDROGENATED, NON DISTILLED	+	7	See references for 10599/90A.	SCF split	+	+
10600	-	*ACIDS, LINEAR, WITH AN EVEN NUMBER OF CARBON ATOMS (C8-C22), AND THE DIMERS AND TRIMERS OF THE UNSATURATED ACIDS	D	D		UP/Mixt/Ex L9	+	+
10615	00499-12-7	*ACONITIC ACID		8		Covered by 10576/ Same 23845		+
10620	-	*ACONITIC ACID, METHYL ESTERS		9		Cov.by 10578/Same 23847		+
10630	00079-06-1	ACRYLAMIDE	+	4A	Neurotoxic for all 6 animal species tested. Teratogenic in rats. Genotoxic in several short term tests and carcinogenic in rats. (RIVM doc. March 1991).		+	+
10660	15214-89-8	*ACRYLAMIDOMETHYLPROPANESULPHONIC ACID	+	7-P	R: 0.05 mg/kg of food or food simulant. Available: migration low. One of 5 mutagenicity tests positive. Needed: either repetition of rat micronucleus test with evidence of substance reaching the bone marrow or a UDS test.		+	+
10690	00079-10-7	ACRYLIC ACID	+	2	Group t-TDI: 0.1 mg/kg b.w. pending results of ongoing teratogenicity studies on acrylic acid. Available: a 90-day oral rat study, an oral reproduction study, 2- year oral rat and dog studies with acrylic acid and an oral teratogenicity study in rats with ethyl acrylate, 3-year oral rat and dog studies with acrylic acid, ethylene glycol monoester.	X	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					(NTP; Union Carbide report N. 43-529 (26 August 1980) and N. 43-528 (22 August 1980); RIVM report 65116008 (June 1984); report Dow, 1967 and 1967; RIVM report 06-02-1990).			
10720	00999-55-3	*ACRYLIC ACID, ALLYL ESTER	D	6A		PAM,PS,PVC	+	+
10750	02495-35-4	ACRYLIC ACID, BENZYL ESTER	+	2	Group TDI: 0.1 mg/kg bw (as acrylic acid). Hydrolysis (complete) data allow to allocate the same TDI as acrylic acid.	PAM/X	+	
10775	84100-23-2	*ACRYLIC ACID, 4-tert-BUTYLCYCLOHEXYL ESTER	D	8		S1(11290)	+	+
10780	00141-32-2	ACRYLIC ACID, n-BUTYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.	X	+	+
10810	02998-08-5	ACRYLIC ACID, sec-BUTYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.	PAM/X	+	+
10840	01663-39-4	ACRYLIC ACID, tert-BUTYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.	PAM/X	+	+
10870	02206-89-5	*ACRYLIC ACID, 2-CHLOROETHYL ESTER	D	8		PAM	+	
10900	-	*ACRYLIC ACID, CYCLOHEXYLAMINOETHYL ESTER	D	8		PAM	+	
10930	03066-71-5	*ACRYLIC ACID, CYCLOHEXYL ESTER	+	8	Available: hydrolysis data, but hydrolysis is not complete.	Hydrol.not compl.	+	+
10960	16868-13-6	*ACRYLIC ACID, CYCLOPENTYL ESTER	D	8			+	+
10990	02156-96-9	*ACRYLIC ACID, DECYL ESTER	D	7	Needed: hydrolysis data.		+	+
10995	-	*ACRYLIC ACID, N,N-DIALKYL(C1-C4)AMINOALKYL(C2-C8) ESTER		9		Ex L9*		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
11000	50976-02-8	*ACRYLIC ACID, DICYCLOPENTADIENYL ESTER	+	8		S1(11320)/	+	+
11005	12542-30-2	*ACRYLIC ACID, DICYCLOPENTENYL ESTER	D	8		S1(11320)	+	+
11010	24447-78-7	*ACRYLIC ACID, DIESTER WITH 2,2-BIS(4-HYDROXY PHENYL)PROPANE BIS(2-HYDROXYETHYL) ETHER	D	8		S1(11380)	+	+
11020	19485-03-1	*ACRYLIC ACID, DIESTER WITH 1,3-BUTANEDIOL	D	8			+	+
11050	01070-70-8	*ACRYLIC ACID, DIESTER WITH 1,4-BUTANEDIOL	+	8			+	+
11080	04074-88-8	*ACRYLIC ACID, DIESTER WITH DIETHYLENEGLYCOL	D	8			+	+
11090	02223-82-7	*ACRYLIC ACID, DIESTER WITH 2,2-DIMETHYL-1,3-PROPANEDIOL		8		S2(11335)		+
11100	57472-68-1	*ACRYLIC ACID, DIESTER WITH DIPROPYLENEGLYCOL		8		S2(11380)		+
11110	02274-11-5	*ACRYLIC ACID, DIESTER WITH ETHYLENEGLYCOL	D	8			+	+
11140	13048-33-4	*ACRYLIC ACID, DIESTER WITH 1,6-HEXANEDIOL	D	8			+	+
11170	26570-48-9	*ACRYLIC ACID, DIESTER WITH POLYETHYLENEGLYCOL	D	8			+	+
11180	17831-71-9	*ACRYLIC ACID, DIESTER WITH TETRAETHYLENEGLYCOL	+	8		S1(11380)	+	+
11190	01680-21-3	*ACRYLIC ACID, DIESTER WITH TRIETHYLENEGLYCOL		8		S2(11380)		+
11195	68901-05-3 and 42978-66-5	*ACRYLIC ACID, DIESTER WITH TRIPROPYLENEGLYCOL	+	8		S1(11380)	+	+
11200	02426-54-2	*ACRYLIC ACID, 2-(DIETHYLAMINO)ETHYL ESTER	D	8		PAM	+	+
11230	02439-35-2	*ACRYLIC ACID, 2-(DIMETHYLAMINO)ETHYL ESTER	D	7	Needed: hydrolysis data.	PAM	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
11245	02156-97-0	*ACRYLIC ACID, DODECYL ESTER	+	8		S1(11290)/Part.hydrol	+	+
11260	00106-90-1	*ACRYLIC ACID, 2,3-EPOXYPROPYL ESTER	D	6A		PVDC	+	+
11290	-	*ACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C1-C21)	D	9		Ex L9	+	+
11320	-	*ACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, UNSATURATED (C4-C18)	D	9		PVC/Ex L9	+	+
11335	-	*ACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, POLYHYDRIC		9		Ex L9*		+
11350	-	*ACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, POLYHYDRIC (C2-C21)	D	9		Ex L9	+	+
11365	?	*ACRYLIC ACID, ESTER WITH 2,2-DIMETHYL-1,3- PROPANEDIOL		D		Cov.by 11090,11815		+
11380	-	*ACRYLIC ACID, ESTERS WITH ETHERALCOHOLS	D	9		PAM/ Ex L9	+	+
11390	-	ACRYLIC ACID, ESTERS WITH ETHERALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C1-C21)		D		PAM/Cov.by 11380	+	
11410	-	*ACRYLIC ACID, ESTERS WITH GLYCOLETHERS OBTAINED FROM MONO- AND/OR DIGLYCOLS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC (C1-C18)	D	9		Ex L9	+	+
11425		*ACRYLIC ACID, ESTER WITH METHOXYDIETHYLENE- GLYCOL		8		S2(11380)		+
11430	32171-39-4	*ACRYLIC ACID, ESTER WITH METHOXYPOLYETHYLENEGLYCOL		8		S2(11380)		+
11440	44992-01-0	*ACRYLIC ACID, ESTER WITH TRIMETHYLETHANOLAMMONIUM CHLORIDE	D	8		PAM	+	
11470	00140-88-5	ACRYLIC ACID, ETHYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.	X	+	+
11500	00103-11-7	*ACRYLIC ACID, 2-ETHYLHEXYL ESTER	+	8			+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
11510	00818-61-1	ACRYLIC ACID, HYDROXYETHYL ESTER	+			Same 11830	+	
11520	02918-23-2	*ACRYLIC ACID, 2-HYDROXYISOPROPYL ESTER (= acrylic acid, 2-hydroxy-1-methylethyl ester)	+	7	Needed: hydrolysis data.	S1(11350)	+	+
11530	00999-61-1	*ACRYLIC ACID, 2-HYDROXYPROPYL ESTER	+	7	Needed: hydrolysis data.	PAM,PVC,PVDC	+	+
11532	02761-08-2	*ACRYLIC ACID, 3-HYDROXYPROPYL ESTER	D	8		S1(11350)	+	+
11560	05888-33-5	*ACRYLIC ACID, ISOBORNYL ESTER	+	8			+	
11590	00106-63-8	ACRYLIC ACID, ISOBUTYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.	PAM/X	+	+
11620	01330-61-6	*ACRYLIC ACID, ISODECYL ESTER	+	8			+	+
11645	93841-48-6	*ACRYLIC ACID, ISOOCTADECYL ESTER		8		S2(11290)		+
11650	29590-42-9	*ACRYLIC ACID, ISOOCTYL ESTER	+	8		PAM	+	+
11680	00689-12-3	ACRYLIC ACID, ISOPROPYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.	PAM/X	+	+
11695	03121-61-7	*ACRYLIC ACID, 2-METHOXYETHYL ESTER	+	6B		S1(11380)	+	
11710	00096-33-3	ACRYLIC ACID, METHYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.	X	+	+
11740	10095-13-3	*ACRYLIC ACID, MONOESTER WITH 1.3-BUTANEDIOL	+	7	Needed: hydrolysis data.		+	+
11770	02478-10-6	*ACRYLIC ACID, MONOESTER WITH 1,4-BUTANEDIOL	+	8			+	+
11800	13533-05-6	*ACRYLIC ACID, MONOESTER WITH DIETHYLENEGLYCOL	+	7	Needed: hydrolysis data.	UP	+	+
11815	26424-32-8	*ACRYLIC ACID, MONOESTER WITH 2,2-DIMETHYL- 1,3-PROPANEDIOL		8		S2(11335)		+
11830	00818-61-1	ACRYLIC ACID, MONOESTER WITH	+	2	Group t-TDI: 0.1 mg/kg b.w. (as	X/Same 11510	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		ETHYLENEGLYCOL			acrylic acid). See references for acrylic acid.			
11840	10095-14-4	*ACRYLIC ACID, MONOESTER WITH 1,6-HEXANEDIOL		8		S2(11335)		+
11845		*ACRYLIC ACID, MONOESTER WITH PENTAPROPYLENEGLYCOL		7	Needed: hydrolysis data.	S2(11380)		+
11850	26403-58-7	*ACRYLIC ACID, MONOESTER WITH POLYETHYLENEGLYCOL		8		S2(11380)		+
11855	50858-51-0	*ACRYLIC ACID, MONOESTER WITH POLYPROPYLENEGLYCOL		8		S2(11380)		+
11860	-	*ACRYLIC ACID, MONOESTER WITH PROPYLENEGLYCOL	D	9		PAM,PVDC	+	+
11875	04813-57-4	*ACRYLIC ACID, OCTADECYL ESTER	D	7	Needed: hydrolysis data.	S1(11290)	+	+
11890	02499-59-4	ACRYLIC ACID, n-OCTYL ESTER	+	2	Group TDI: 0.1 mg/kg bw (as acrylic acid). Hydrolysis (complete) data allow to allocate the same TDI as acrylic acid.	PAM	+	+
11920	05048-82-8	*ACRYLIC ACID, PHENYLAMINOETHYL ESTER	D	8		PAM	+	
11950	00937-41-7	*ACRYLIC ACID, PHENYL ESTER	D	7	Needed: hydrolysis data.	UP	-	+
11980	00925-60-0	ACRYLIC ACID, PROPYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.	X	+	+
12010	40074-09-7	*ACRYLIC ACID, 2-SULPHOETHYL ESTER	+	8			+	+
12040	39121-78-3	*ACRYLIC ACID, SULPHOPROPYL ESTER	+	8		PAM,PVDC	+	+
12055	94160-26-6	*ACRYLIC ACID, TRIESTER WITH GLYCEROL TRIS(2-HYDROXYPROPYL) ETHER	+	8		S1(11380)	-	+
12058	03524-68-3	*ACRYLIC ACID, TRIESTER WITH PENTAERYTHRITOL		8		S2(11335)		+
12062	75577-70-7	*ACRYLIC ACID, TRIESTER WITH 1,1,1-TRIMETHYLOLPROPANE TRIS(2-HYDROXYETHYL) ETHER	+	8		S1(11380)	-	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
12070	02177-18-6	*ACRYLIC ACID, VINYL ESTER	D	7	Needed: hydrolysis data.	PAM,PVC	+	+
12100	00107-13-1	ACRYLONITRILE	+	4A	(SCF, 13th Series, 1982).		+	+
12130	00124-04-9	ADIPIC ACID	+	1	ADI: 5 mg/kg b.w. (SCF, 25th Series, 1990).		+	+
12140	03130-19-6	*ADIPIC ACID,BIS(3,4-EPOXYCYCLOHEXYLMETHYL) ESTER		6A				+
12160	02998-04-1	*ADIPIC ACID, DIALLYL ESTER	+	6A		Same 32200	+	+
12190	00105-97-5	*ADIPIC ACID, DI-n-DECYL ESTER	+	6B	Group R: 0.025 mg/kg b.w. See references for same substance(32320)in additive list.	UP/Same 32320/To be del.in 3rd amendm	+	+
12220	27178-16-1	*ADIPIC ACID, DIISODECYL ESTER	+	6B	Group R: 0.025 mg/kg b.w. See refernces for the same substance (PM/REF.32560) in additive list.	UP/Same 32560/To be del.in 3rd amendm	+	+
12235	00627-93-0	*ADIPIC ACID, DIMETHYL ESTER		6B	Group R : 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation study too.	S2(10240)		+
12250	00123-79-5	*ADIPIC ACID, DI-n-OCTYL ESTER	+	6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCFguidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation study too.	UP/to be del.in 3rd amendm	+	+
12265	004074-90-2	*ADIPIC ACID, DIVINYL ESTER	+	6A		S1(10420)	+	+
12280	02035-75-8	ADIPIC ANHYDRIDE	+	2	Group TDI: 5 mg/kg b.w. Included in group ADI for adipic acid.		+	+
12310	-	ALBUMIN	+	0			+	
12340	-	ALBUMIN, COAGULATED BY FORMALDEHYDE	+	3	Though albumin is a food		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					component, it has been modified by formaldehyde which is classified in list 3 in 17th Series, SCF, 1986.			
12365	-	*ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C1-C18)		9		Similar 12370,12375		+
12370	-	*ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED, PRIMARY, SECONDARY OR TERTIARY (C4-C22)	+	7	Needed: actual use, 28-day oral study of one lower and one higher alcohol.		+	+
12375	-	ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED, LINEAR, PRIMARY (C4-C22)	+	3	90-day oral studies, metabolic and/or mutagenicity studies with some substances out of the group.		+	+
12400	-	*ALCOHOLS, ALIPHATIC, MONOHYDRIC, UNSATURATED (UP TO C18)	D	9		Ex L9	+	+
12430	-	*ALCOHOLS, ALIPHATIC, POLYHYDRIC (UP TO C18)	D	9		Ex L9	+	+
12460	-	*ALCOHOLS, CYCLOALIPHATIC, MONO- AND/OR POLYHYDRIC, SUBSTITUTED (UP TO C18)	D	9		Ex L9	+	+
12490	-	*ALDEHYDES (C4)	D	9		Ex L9	+	
12493	-	*ALDEHYDES, ALIPHATIC, SATURATED (C1-C6)		9		Ex L9*		+
12520	-	*ALKADIENES	D	9		Ex L9	+	+
12548	-	*ALKENES (UP TO C16)		9		Ex L9*		+
12550	-	*n-ALKENES (UP TO C16)	D	9		Ex L9	+	+
12563	-	*N-ALKYL(C1-C6) AMIDES OF UNSATURATED ALIPHATIC MONO- AND POLYCARBOXYLIC ACIDS (C3-C18)		9		Ex L9*		+
12568	-	*ALKYL(C2-C18)DIETHOXY(METHYL)SILANE		9				+
12571	68081-84-5	*ALKYL(C10-C16)-2,3-EPOXYPROPYL ETHERS		9				+
12573	68609-97-2	ALKYL(C12-C14)-2,3-EPOXYPROPYL ETHERS		D		Cov.by 12571		+
12576	-	*ALKYLPHENOLS		9		Ex L9*		+
12578	-	*ALKYL(C1-C4)PHENOLS		9		Ex L9*		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
12580	-	*p-ALKYL(C4-C9)PHENOLS	D	9		MF,PF,UF	+	+
12610	00107-18-6	*ALLYL ALCOHOL	+	6A			+	+
12625	28655-63-2	*ALLYL BIS(HYDROXYMETHYL)PHENYL ETHER		9		S2(12650)		+
12640	00106-92-3	*ALLYL 2,3-EPOXYPROPYL ETHER	D	6A			+	
12645	-	*ALLYL ETHERS OF MONOHYDRIC ALCOHOLS (C1-C18)		9		Ex L9*		+
12648	-	*ALLYL ETHERS OF POLYHYDRIC ALCOHOLS (C2-C12)		9		Ex L9*		+
12650	-	*ALLYL ETHERS OF MONO-, DI-, OR TRIMETHYLOLPHENOL		9		Ex L9*		+
12651	28655-62-1	*ALLYL (HYDROXYMETHYL)PHENYL ETHER		D		S2(12650)/Same 12653		+
12653	28655-62-1	*2-(ALLYLOXY)BENZYL ALCOHOL		6A				+
12657	01746-13-0	*ALLYL PHENYL ETHER		6A				+
12658	64051-40-7	*ALLYL TRIS(HYDROXYMETHYL)PHENYL ETHER		9		S2(12650)		+
12660	68955-48-6	*AMIDES MADE FROM C18-UNSATURATED FATTY ACID DIMERS AND TRIETHYLENETETRAMINE		8				+
12663	61788-46-3	*AMINES, COCO ALKYL		D		Same 17239		+
12666	-	*N-AMINOALKYL(C2-C8)-N',N'-DIALKYL(C1-C4)-ACRYLAMIDE		9		Ex L9*		+
12668	-	*N-AMINOALKYL(C2-C8)-N',N'-DIALKYL(C1-C4)METHACRYLAMIDE		9		Ex L9*		+
12670	02855-13-2	1-AMINO-3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXANE	+	2	t-TDI: 0.1 mg/kg b.w. Available: 13-week oral rat study, 2 negative mutagenicity studies. (RIVM summary data, April 1991)(CS/PM/921). Needed: in-vitro chromosome aberration and gene mutation in mammalian cells.	PA/Same 19145	+	+
12700	00150-13-0	*4-AMINOBENZOIC ACID	+	7	Available: metabolic data in man, mutagenicity studies	PAR	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					negative (IARC, 1978) and 28-day oral study. Needed: migration and full 28-day report.			
12730	00060-32-2	*6-AMINOCAPROIC ACID	D	8		PA	+	+
12760	-	*omega-AMINOCARBOXYLIC ACIDS, ALIPHATIC, LINEAR (C6-C12)	D	9		PA/Ex L9	+	+
12761	00693-57-2	*12-AMINODODECANOIC ACID		8-P		Cov.by 12760		+
12763	00141-43-5	*2-AMINOETHANOL		8				+
12769	13531-52-7	*N-(2-AMINOETHYL) 1,3-DIAMINOPROPANE		8				+
12771	00111-41-1	*N-(2-AMINOETHYL)ETHANOLAMINE		W-P		New subst.	+	
12772	00140-31-8	*N-AMINOETHYLPIPERAZINE		8				+
12775	00124-68-5	*2-AMINO-2-METHYL-1-PROPANOL		8				+
12776	68298-05-5	*2-AMINO-2-METHYL-1-PROPANOL-p-TOLUENESULPHONATE		8				+
12779	00123-30-8	*4-AMINOPHENOL		8				+
12781	38353-82-1	*1-[(3-AMINOPHENYL)AMINO]-3-PHENOXY-2-PROPANOL		8				+
12782	68391-25-3	*1-[[4-[4(AMINOPHENYL)METHYL]PHENYL]AMINO]-3-PHENOXY-2-PROPANOL		8				+
12784	00056-18-8	*N-(3-AMINOPROPYL)-1,3-DIAMINOPROPANE		8				+
12788	02432-99-7	11-AMINOUNDECANOIC ACID	+	3	R: 5 mg/kg of foods. Available: 3-month oral mouse and rat study, 2-year oral mouse and rat studies, several in vitro and in vivo mutagenicity tests negative.	S1(12760)	+	+
12790	00080-46-6	*p-tert-AMYLPHENOL	+	8		MF,PF,UF	+	+
12795	-	*ANHYDRIDES OF ACIDS, ALIPHATIC, MONOCARBOXYLIC (C2-C24)		D			+	
12800	00062-53-3	*ANILINE		6A				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
12810	00506-30-9	ARACHIDIC ACID		0		S2(10596)/Sam e 35840		+
12813	07771-44-0	ARACHIDONIC ACID		0		S2(10596)		+
12820	00123-99-9	AZELAIC ACID	+	2	Group TDI: 3 mg/kg b.w. A subacute oral rat study and absence of mutagenicity in bacterial systems with azelaic acid and a subacute oral rat study with sebacic acid. (Arch. f. Exp. Path. u. Pharmak., 197, 1941, 587-610).		+	+
12850	29602-44-6	*AZELAIC ACID, BIS(2-HYDROXYETHYL) ESTER	+	6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation study, too.	PET/To be del.in 3rd amendm.	+	+
12880	00123-98-8	*AZELAIC ACID DICHLORIDE	D	7	Needed: hydrolysis and migration data. Pending these results necessity for further studies to be considered.		+	+
12910	01732-10-1	*AZELAIC ACID, DIMETHYL ESTER	+	6B	Group R : 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.	PET/to be del.in 3rd amend.	+	+
12940	04080-88-0	*AZELAIC ACID, DIPHENYL ESTER	D	8		PET,UP	+	+
12970	04196-95-6	AZELAIC ANHYDRIDE	+	2	Group TDI: 3 mg/kg b.w. Included in the group TDI for azelaic acid.	PUR	+	+
12980	08015-74-5	BEECHNUT OIL		3	Food fat.			+
12983	-	*BEECHNUT OIL FATTY ACIDS, AND THEIR DIMERS		D				+
12983/ 0		BEECHNUT OIL FATTY ACIDS (Food grade quality)		D		Ex L3		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
12983/1		BEECHNUT OIL FATTY ACIDS		3/D	Constituents of food fats.			+
12983/2		*BEECHNUT OIL FATTY ACIDS (food grade quality), DIMERS		D		Ex L8		+
12983/3		*BEECHNUT OIL FATTY ACIDS, DIMERS		8/D		L8/D as dimer of acid listed		+
12990	00112-85-6	BEHENIC ACID		0		S2(10596)/Same 37040		+
13000	01477-55-0	1,3-BENZENEDIMETHANAMINE	+	3	R: 0.05 mg/kg. Mutagenicity tests are negative and migration is very low (less than 5 ppb).	PA	+	+
13030	00539-48-0	*1,4-BENZENEDIMETHANAMINE	D	8		PA	+	+
13040	00089-05-4	*1,2,4,5-BENZENETETRACARBOXYLIC ACID						+
13050	00528-44-9	*1,2,4-BENZENETRICARBOXYLIC ACID	+			Same 25540	+	+
13060	04422-95-1	*1,3,5-BENZENETRICARBOXYLIC ACID TRICHLORIDE	+	8		PA	+	+
13075	00091-76-9	*BENZOGUANAMINE	+			Same 15310	+	+
13090	00065-85-0	BENZOIC ACID	+	1	Group ADI: 5 mg/kg b.w. (JECFA 27 M., 1983).		+	+
13120	00769-78-8	*BENZOIC ACID, VINYL ESTER	D	7	Needed: hydrolysis data.	PO	+	+
13135	00119-53-9	*BENZOIN		8				+
13140	01204-28-0	*BENZOYL CHLORIDE-3,4-DICARBOXYLIC ANHYDRIDE				Same 25552		+
13150	00100-51-6	BENZYL ALCOHOL	+	1	Group ADI: 5 mg/kg b.w. in the ADI for benzoic acid. (SCF, 11th Series, 1981).		+	+
13170	-	*BICYCLOALKADIENES (C10-C16)		9		Ex L9*		+
13177	00121-46-0	*BICYCLO[2.2.1]HEPTA-2,5-DIENE		6A		S2(14855)/Same 22545		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
13180	00498-66-8	*BICYCLO(2.2.1)HEPT-2-ENE	D	8		PO/Same 22550	+	+
13183	?	*BICYCLO(2.2.1)HEPT-5-ENE-2,3-DICARBOXYLIC ACID, MONO-n-BUTYL ESTER		8				+
13210	01761-71-3	*BIS(4-AMINOCYCLOHEXYL)METHANE	D	8		PA	+	+
13240	03377-24-0	*2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE	D	8		PA	+	+
13245	02579-20-6	*1,3-BIS(AMINOMETHYL)CYCLOHEXANE		8				+
13250	00101-77-9	BIS(4-AMINOPHENYL)METHANE		4A	Considered as genotoxic carcinogen. Available: 2 oral carcinogenicity studies in rats and mice, positive Ames test (CS/PM/2009).			+
13255	10563-26-5	*N,N'-BIS (3-AMINOPROPYL) ETHYLENEDIAMINE		8				+
13270	22287-56-5	*4,4'-BIS(4-CHLOROPHENYLSULPHONYL)BIPHENYL		W8			+	
13290	00079-94-7	2,2-BIS(3,5-DIBROMO-4-HYDROXYPHENYL)PROPANE		5				+
13300	38050-97-4	*1,4-BIS(4',4''-DIHYDROXYTRIPHENYLMETHYL)BENZENE	D	8		PC,UP	+	+
13306	71074-89-0	*BIS[(DIMETHYLAMINO)METHYL]PHENOL		8				+
13308	05424-54-4	*2,4-BIS [(DIMETHYLAMINO)METHYL]PHENOL		8				+
13310	15827-34-6	*2,6-BIS [(DIMETHYLAMINO)METHYL]PHENOL		8				+
13313	02426-08-6	*BIS(2,3-EPOXYPROPYL) BUTYL ETHER		6A				+
13316	21825-16-1	*BIS(4-ETHOXALYLAMINOPHENYL)METHANE		8				+
13319	20178-33-0	*BIS(4-HYDROXYCYCLOHEXYL)METHANE		8				+
13321	00080-04-6	*2,2-BIS(4-HYDROXYCYCLOHEXYL)PROPANE		8				+
13323	00102-40-9	*1,3-BIS(2-HYDROXYETHOXY)BENZENE		W8	Data inadequate.	New subst.	+	
13325		*2,2-BIS(4-HYDROXY-5-ETHOXYPHENYL)PROPANE		8				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
13326	00111-46-6	BIS(2-HYDROXYETHYL) ETHER	+			Same 15760	+	+
13328	00104-38-1	*BIS(2-HYDROXYETHYL) ETHER OF HYDROQUINONE	+	8		S1(13330)	+	+
13330	-	*BIS(2-HYDROXYETHYL)ETHER OF HYDROQUINONE AND ITS CONDENSATION PRODUCTS WITH PROPYLENE OXIDE	D	9		PUR/Ex L9	+	+
13360	01620-68-4	*2,6-BIS(2-HYDROXY-5-METHYLBENZYL)-4-MET HYLPHENOL	D	7	Needed: 90-day oral study, migration data.	PC	+	+
13380	00077-99-6	2,2-BIS(HYDROXYMETHYL)-1-BUTANOL	+			Same 25600	+	+
13390	00105-08-8	1,4-BIS(HYDROXYMETHYL)CYCLOHEXANE	+	3	A limited 36-day oral rat study showed no adverse effects at 50 mg/kg b.w./day. (Eastman Kodak report, April 1966).	Same 14880	+	+
13400	00077-40-7	*2,2-BIS(4-HYDROXYPHENYL)BUTANE		8				+
13405	83346-35-4	*3,3-BIS(4-HYDROXYPHENYL)BUTYRIC ACID		8				+
13420	00843-55-0	*1,1-BIS(4-HYDROXYPHENYL)CYCLOHEXANE	D	8		PC	+	+
13450	00125-13-3	*3,3-BIS(4-HYDROXYPHENYL)-2-INDOLINONE	D	8		PC	+	+
13455	02467-02-9	*BIS(2-HYDROXYPHENYL)METHANE		8		Studies ongoing.	+	+
13457	00620-92-8	*BIS(4-HYDROXYPHENYL)METHANE		8-P		Studies ongoing	+	+
13460	54208-63-8	*BIS(2-HYDROXYPHENYL)METHANE BIS(2,3-EPOXYPROPYL) ETHER		6A				+
13465	00126-00-1	*4,4-BIS(HYDROXYPHENYL)PENTANOIC ACID		8		Same 16525		+
13480	00080-05-7	2,2-BIS(4-HYDROXYPHENYL)PROPANE	+	2	TDI: 0.05 mg/kg b.w. 90-day and long-term oral studies in mice and rats. (CIVO rep No. R 6229, November 1979).	Same 13607,39680	+	+
13485	71033-08-4	*2,2-BIS(4-HYDROXYPHENYL)PROPANE BIS[3-BUTOXY-2-(2,3-EPOXYPROPOXY)PROPYL] ETHER		6A				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
13510	01675-54-3	2,2-BIS(4-HYDROXYPHENYL)PROPANE BIS(2,3-EPOXYPROPYL) ETHER	+	4A	IARC only considers published data; several unpublished data exist showing the potential carcinogenicity of this substance.	Same 13610	+	+
13515	00901-44-0	*2,2-BIS(4-HYDROXYPHENYL)PROPANE BIS(2-HYDROXYETHYL)ETHER		8				+
13520	00116-37-0	*2,2-BIS(4-HYDROXYPHENYL)PROPANE BIS(2-HYDROXYPROPYL)ETHER		8				+
13530	38103-06-9	2,2-BIS(4-HYDROXYPHENYL)PROPANE, BIS(PHTHALIC ANHYDRIDE)	+	3	R: 0.05 mg/kg of food. 1 month oral rat study, 3 mutagenicity tests and migration data. (Rivm doc. 90/678908/010).	New subst/Same 13614	+	
13540	02444-90-8	*2,2-BIS(4-HYDROXYPHENYL)PROPANE, DISODIUM SALT		D		PES/Cov.by 13480	+	+
13550	00110-98-5	BIS(HYDROXYPROPYL) ETHER	+			Same 16660	+	+
13560	05124-30-1	BIS(4-ISOCYANATOCYCLOHEXYL)METHANE	+			Same 15700	+	+
13570	00141-07-1	*1,3-BIS(METHOXYMETHYL)UREA	D	8		PA,UF	+	+
13600	47465-97-4	3,3-BIS(3-METHYL-4-HYDROXYPHENYL)-2-INDO LINONE	+	2	TDI: 0.03 mg/kg b.w. A 90-day oral rat study. (Bayer Bericht Nr. 8086, January 3, 1979).	PC	+	+
13607	00080-05-7	BISPHENOL A	+			Same 13480	+	+
13610	01675-54-3	BISPHENOL A BIS(2,3-EPOXYPROPYL) ETHER	+			Same 13510	+	
13614	38103-06-9	BISPHENOL-A-BIS(PHTHALIC ANHYDRIDE)	+			Same 13530	+	
13617	00080-09-1	*BISPHENOL S	+			Same 16090	+	+
13620	10043-35-3	BORIC ACID		2	Group TDI : 0.2 mg/kg b.w. (as B). Several short term, 90-day and 2-year oral rat studies, 38-week and 2-year oral dog studies and a 3 generation oral rat study. A two year oral mouse carcinogenicity study.	Same 40320		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					(Toxicol. Appl. Pharmacol. 1972, 23, 351-364, NTP report TR 324, 26 March 1986).			
13630	00106-99-0	BUTADIENE	+	4A	Suspected of having carcinogenic potential (NTP report 83-071, NIH publ. n. 84-2544, 1983).		+	+
13660	00584-03-2	*1,2-BUTANEDIOL	+	8			+	+
13690	00107-88-0	1,3-BUTANEDIOL	+	1	ADI: 4 mg/kg b.w. (JECFA 23 M., 1979).		+	+
13720	00110-63-4	*1,4-BUTANEDIOL	+	8			+	+
13750	00513-85-9	*2,3-BUTANEDIOL	+	8			+	+
13765	07300-34-7	*1,4-BUTANEDIOL BIS(3-AMINOPROPYL) ETHER		8				+
13780	02425-79-8	*1,4-BUTANEDIOL BIS(2,3-EPOXYPROPYL) ETHER	+	6A		POM	+	+
13810	00505-65-7	*1,4-BUTANEDIOL FORMAL	+	8		POM/Same 21821	+	+
13840	00071-36-3	1-BUTANOL	+	3	See references for "Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)" in same list.		+	+
13842	00078-92-2	*2-BUTANOL		8		S2(12365)		+
13845	00075-65-0	tert-BUTANOL		3	Residue in food less than 10 mg/kg. (EHC,65).	S2(12365)		+
13870	00106-98-9	1-BUTENE	+	3	Residues of this gas in plastics are very small. The gas has low toxic potential. Migration into food will be toxicologically negligible. (Patty's Industrial Hygiene and Toxicology, 3rd ed. 1981).		+	+
13900	00107-01-7	2-BUTENE	+	3	Residues of this gas in plastics are very small. The gas has low toxic potential. Migration into food will be		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					toxicologically negligible. (Patty's Industrial Hygiene and Toxicology, 3rd ed. 1981).			
13903	00590-18-1	*cis-2-BUTENE		8		Cov.by 13900		+
13906	00624-64-6	*trans-2-BUTENE		8				+
13915	00110-64-5	*2-BUTEN-1,4-DIOL		8				+
13930	06117-91-5	*2-BUTEN-1-OL	D	8			+	+
13932	00598-32-3	*3-BUTEN-2-OL	+	6A		S1(12400)/Same 40610	+	+
13960	01852-16-0	*N-(BUTOXYMETHYL)ACRYLAMIDE	+	6A		PAM	+	+
13990	05153-77-5	*N-(BUTOXYMETHYL)METHACRYLAMIDE	D	6A		PAM	+	+
13996		*N-BUTYLACRYLAMIDE		6A		S2(12563)		+
13998	00107-58-4	*N-tert-BUTYLACRYLAMIDE		6A		S2(12563)		+
14001	01320-16-7	*tert-BUTYLBENZOIC ACID		8				+
14002	00098-73-7	*p-tert-BUTYLBENZOIC ACID		7	Available: some data at RIVM. Needed: migration and mutagenicity studies.			+
14005	00098-29-3	*4-tert-BUTYLCATECHOL		8		Same 40640		+
14008	00098-52-2	*4-tert-BUTYLCYCLOHEXANOL	D	8		S1(12460)	+	+
14010	17540-75-9	*4-sec-BUTYL-2,6-DI-tert-BUTYLPHENOL		8		S2(12576)		+
14013	00115-84-4	*2-BUTYL-2-ETHYL-1,3-PROPANEDIOL		8		Cov.by 12430		+
14020	00098-54-4	*4-tert-BUTYLPHENOL	+	7	Available: 3 negative mutagenicity tests (CS/PM/2037). Needed: migration usage and physico-chemical data, analytical method.		+	+
14035	01746-23-2	*4-tert-BUTYLSTYRENE	D	6A		S1(24670)	+	
14050	00111-34-2	*BUTYL VINYL ETHER	D	7	Needed: hydrolysis data.	PVC,PVE	+	+
14080	00926-02-3	*tert-BUTYL VINYL ETHER	D	7	Needed: provided hydrolysis can	PVC,PVE	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					be demonstrated, data on tert-butanol are requested.			
14095	00503-17-3	*2-BUTYNE		8			+	+
14110	00123-72-8	BUTYRALDEHYDE	+	3	Occurs naturally in food. Used as flavour in food at 0.1-10 mg/kg. Migration into food would be self-limiting because of its taste.		+	+
14140	00107-92-6	BUTYRIC ACID	+	0			+	+
14170	00106-31-0	BUTYRIC ANHYDRIDE	+	3	Hydrolyses to corresponding acid.		+	
14185	08015-80-3	*CANDLENUT OIL		8				+
14188	-	*CANDLENUT OIL FATTY ACIDS AND THEIR DIMERS		D				+
14188/0		CANDLENUT OIL FATTY ACIDS (food grade quality)		D	Constituents of food fats.			+
14188/1		*CANDLENUT OIL FATTY ACIDS		8/D				+
14188/2		*CANDLENUT OIL FATTY ACIDS (food grade quality), DIMERS		D				+
14188/3		*CANDLENUT OIL FATTY ACIDS, DIMERS		8/D		D as dimer of acid listed		+
14200	00105-60-2	CAPROLACTAM	+	2	Group TDI: 0.25 mg/kg b.w. Two 90-day oral rat studies and 90-day oral studies in mice and dogs. (CIVO report 3489 June 1971 and NTP Tech. Rep. Ser. 214, NTP 80-26).	MF,PA,PUR/Y,Z	+	+
14230	02123-24-2	CAPROLACTAM, SODIUM SALT	+	2	Group TDI: 0.25 mg/kg b.w. See references for caprolactam.	MF,PA,PUR (as AD)/Y,Z	+	+
14260	00502-44-3	*CAPROLACTONE	+	8	Data on migration are inadequate.	PCLO,PUR,PVC/ Same 41880	+	+
14290	-	*CAPROLACTONE, SUBSTITUTED	D	9		Ex L9	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
14320	00124-07-2	CAPRYLIC ACID	+	0		Same 41960	+	+
14330	00592-35-8	*CARBAMIC ACID, BUTYL ESTER		8				+
14340	00124-38-9	CARBON DIOXIDE		1	ADI not specified. (JECFA 23rd M., 1980).	Same 42160		+
14350	00630-08-0	CARBON MONOXIDE	+	3	Low migration.	PE	+	+
14380	00075-44-5	CARBONYL CHLORIDE	+	4A	Residues of this gas in plastics will be very small. It is readily hydrolysed to CO2 and HCl. Has a strong odour. Migration into food would therefore be self-limiting.	PC/Same 23155	+	+
14390	-	CARDURA				Same 25360	+	
14410	08001-79-4	CASTOR OIL (food grade quality)	+	3	Food fat.	Z/Del "FGQ"	+	+
14440	64147-40-6	CASTOR OIL, DEHYDRATED	D	3/D	Similar to food fats.	PUR	+	+
14441	64147-40-6	CASTOR OIL, DEHYDRATED (Food grade quality)		D			+	+
14445	-	CASTOR OIL FATTY ACIDS		3/D	Constituents of food fats.	D as single acids are listed		+
14446	-	CASTOR OIL FATTY ACIDS (Food grade quality)		D		Z/ex L3		+
14450		CASTOR OIL FATTY ACIDS, DEHYDRATED, AND THEIR DIMERS		D		S2(10596)(10598)/Mixt/		+
14450/0		CASTOR OIL FATTY ACIDS, DEHYDRATED (Food grade quality)		D				+
14450/1		CASTOR OIL FATTY ACIDS, DEHYDRATED.		3	Identical with or similar to constituents of food fats.	Mixt/		+
14450/2		*CASTOR OIL FATTY ACIDS (food grade quality), DEHYDRATED, DIMERS		D				+
14450/3		*CASTOR OIL FATTY ACIDS, DEHYDRATED, DIMERS		8				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
14451	-	*CASTOR OIL FATTY ACIDS, DIMERS		8/D		Mixt/D as dimers of single acid listed		+
14453	61790-39-4	CASTOR OIL FATTY ACIDS, HYDROGENATED		3	Identical with or similar to constituents of food fats.	S2(10596)/Mixt		+
14453/1	-	*CASTOR OIL FATTY ACIDS, PARTIALLY HYDROGENATED		D		SCF split		+
14470	08001-78-3	CASTOR OIL, HYDROGENATED	D	3/D	Similar to food fats.	PUR/	+	+
14500	09004-34-6	CELLULOSE	+	0		Same 43280	+	+
14505	09004-35-7	CELLULOSE ACETATE		3	Inert material, modified natural cellulose.			+
14508	09004-36-8	CELLULOSE ACETATE BUTYRATE		3	Inert material, modified natural cellulose.	Same 43300		+
14512	09004-39-1	CELLULOSE ACETATE PROPIONATE		3	Inert material, modified natural cellulose.			+
14515	09004-48-2	*CELLULOSE PROPIONATE		8		Spec(U)!		+
14520	08001-20-5	*CHINAWOOD OIL		8		Cov.by 16713		+
14523	-	*CHINAWOOD OIL FATTY ACIDS, AND THEIR DIMERS		D				+
14523/0		CHINAWOOD OIL FATTY ACIDS (Food grade quality)		D				+
14523/1		*CHINAWOOD OIL FATTY ACIDS		8/D				+
14523/2		*CHINAWOOD OIL FATTY ACIDS (food grade quality), DIMERS		D				+
14523/3		*CHINAWOOD OIL FATTY ACIDS, DIMERS		8/D		D as dimers of single acid listed		+
14527	00115-28-6	CHLORENDIC ACID				Same 18250	+	
14530	07782-50-5	CHLORINE	+	3	Residues of this gas in plastics will be very small.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					Migration into food would be self-limiting because of odour.			
14545	-	*CHLOROBUTADIENE		6A				+
14560	00126-99-8	*2-CHLORO-1.3-BUTADIENE	D	6A	All data considered show that chloroprene is hepatotoxic, teratogenic, mutagenic and causes chromosomal abnormalities in exposed workers. It affects testicular function in man and animals.		+	+
14570	00106-89-8	1-CHLORO-2.3-EPOXYPROPANE	+			Same 16750	+	
14585	00110-75-8	*CHLOROETHYL VINYL ETHER		6A				+
14590	00615-67-8	*CHLOROHYDROQUINONE	D	8		PAR	+	
14620	57981-99-4	*CHLOROHYDROQUINONE DIACETATE	D	8		PAR	+	
14623	07402-67-7	*4-CHLORO-4'-HYDROXYDIPHENYLSULPHONE		8				+
14650	00079-38-9	*CHLOROTRIFLUOROETHYLENE	D	6A		PCTFE,PVDC	+	+
14670	00498-23-7	*CITRACONIC ACID		8		S2(10330)(10576)		+
14680	00077-92-9	CITRIC ACID	+	1	Group ADI: not specified for citric acid and its salts. (SCF, 25th Series, 1990).		+	+
14685	08001-31-8	COCONUT OIL		3	Food fat.			+
14686	08001-31-8	COCONUT OIL (Food grade quality)		D		D		+
14687	08050-09-7	COLOPHONY				Same 24100	+	+
14688	09000-14-0	*COPAL		9				+
14690	-	*COPAL, ESTERS WITH ALCOHOLS, POLYHYDRIC, C3-C6		9		Ex L9*		+
14693	08001-30-7	CORN OIL		3	Food fat.			+
14694	08001-30-7	CORN OIL (Food grade quality)		D				+
14695	-	*CORN OIL FATTY ACIDS, AND THEIR DIMERS		D				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
14695/0		CORN OIL FATTY ACIDS (Food grade quality)		D				+
14695/1		CORN OIL FATTY ACIDS		3/D	Constituents of food fats.			+
14695/2		*CORN OIL FATTY ACIDS (food grade quality), DIMERS		D				+
14695/3		*CORN OIL FATTY ACIDS, DIMERS		8-/		D as dimers of single acids listed.		+
14696	-	CORN OIL FATTY ACIDS, AND THEIR DIMERS (Food grade quality)		D		Same 14695		+
14698	8001-29-4	COTTONSEED OIL		3	Food fat.			+
14699	8001-29-4	COTTONSEED OIL (Food grade quality)		D				+
14700	-	*COTTONSEED OIL FATTY ACIDS, AND THEIR DIMERS		D				+
14700/0		COTTONSEED OIL FATTY ACIDS (Food grade quality)		D				+
14700/1		COTTONSEED OIL FATTY ACIDS		3/D	Constituents of food fats.			+
14700/2		*COTTONSEED OIL FATTY ACIDS (food grade quality), DIMERS		D				+
14700/3		*COTTONSEED OIL FATTY ACIDS, DIMERS		8/D		D as dimer of single acid listed		+
14701	-	COTTONSEED OIL FATTY ACIDS, AND THEIR DIMERS (Food grade quality).		D		Same 14700		+
14705	00271-89-6	*COUMARONE		6A				+
14710	00108-39-4	m-CRESOL	+	3	28-day oral rat study showed no adverse effects at 25 mg/kg b.w./day. (Shell Report, April 1978).		+	+
14740	00095-48-7	o-CRESOL	+	3	28-day oral rat study showed no adverse effects at 12 mg/kg		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					b.w./day. (Shell Report, April 1978).			
14770	00106-44-5	p-CRESOL	+	3	28-day oral rat study showed no adverse effect at 25 mg/kg b.w./day. (Shell Report, April 1978).		+	+
14800	03724-65-0	*CROTONIC ACID	+	6A	Needed: 90-day oral study, mutagenicity studies and migration data. (SCF, 17th Series, 1986).	Same 45600	+	+
14815	20474-93-5	*CROTONIC ACID, ALLYL ESTER		6A				+
14830	-	*CROTONIC ACID, ESTERS WITH ALCOHOLS, MONO- AND POLYHYDRIC	D	9		Ex L9	+	+
14833	00623-43-8	*CROTONIC ACID, METHYL ESTER	D	8		S1(14830)	+	+
14836	14861-06-4	*CROTONIC ACID, VINYL ESTER		7	Needed: provided hydrolysis can be demonstrated, data on crotonic acid are requested.	Cov.by 10420		+
14839	00623-68-7	*CROTONIC ANHYDRIDE		6A	Needed: information on crotonic acid.	Add in 3 amend if data available	+	
14842	00504-66-5	*CYANOCYANAMIDE		8				+
14845	68426-02-8	*N-CYANOETHYL-2,2,4-TRIMETHYLHEXAMETHYLENEDIAMINE		8				+
14847	68426-03-9	*N-CYANOETHYL-2,4,4-TRIMETHYLHEXAMETHYLENEDIAMINE		8				+
14850	00108-80-5	*CYANURIC ACID		8	Existing data should be provided to SCF.			+
14855	-	*CYCLOALKADIENES (C5-C8)		9		Ex L9*		+
14860	-	*CYCLOALKENES	D	9		PO	+	+
14865	29996-45-0	*CYCLODODECANEDIOL		9		Cov.		+
14875	01687-30-5	*1,2-CYCLOHEXANEDICARBOXYLIC ACID				Same 18436	+	+
14880	00105-08-8	1,4-CYCLOHEXANEDIMETHANOL	+		Deleted because same as 13390.	Same 13390	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
14890	00556-48-9	*1,4-CYCLOHEXANEDIOL		8		Cov.by 12430		+
14895	-	*CYCLOHEXANETETRACARBOXYLIC ACID		9		Cov.by 10576		+
14900	-	*CYCLOHEXANETETRACARBOXYLIC ACID, METHYL ESTERS		9		Ex L9*		+
14905	00108-93-0	*CYCLOHEXANOL		8		S2(12365)/Same in AD list		+
14910	00108-94-1	*CYCLOHEXANONE		6A	Needed: adequate test for gene mutation and chromosomal aberration. (IARC (1989), 47, 151-169).			+
14915	-	*CYCLOHEXENE DERIVATIVES		9		Ex L9*		+
14917	-	*CYCLOHEXENE DERIVATIVES, EPOXIDIZED		9		Ex L9*		+
14920	02842-38-8	*2-(CYCLOHEXYLAMINO)ETHANOL	D	8		PAM	+	+
14935	03312-60-5	*N-CYCLOHEXYL-1,3-DIAMINOPROPANE		8				+
14950	03173-53-3	CYCLOHEXYL ISOCYANATE	+	4A	See references for 3,3'-dimethyl-4,4'-diisocyanato biphenyl.	PA	+	+
14980	01631-25-0	*N-CYCLOHEXYLMALEIMIDE	D	6A		PVC,UP	+	+
14016	00089-72-5	*2-sec-BUTYLPHENOL		8		S2(12576)		+
14018	00099-71-8	*4-sec-BUTYLPHENOL		8		S2(12576)		+
15010	01131-60-8	*p-CYCLOHEXYLPHENOL	D	8		MF,PF,UF	+	+
15020	02182-55-0	*CYCLOHEXYL VINYL ETHER	+	7	Needed: provided hydrolysis can be demonstrated, data on cyclohexanol are requested.	S1(26080)	+	+
15027	00111-78-4	*1,5-CYCLOOCTADIENE		6A	Insufficient mutagenicity studies available.	S2(14855)		+
15030	00931-88-4	*CYCLOOCTENE	D	8		S1(14860)	+	+
15040	00542-92-7	*1,3-CYCLOPENTADIENE	D	8		PO	+	+
15050	03724-52-5	*CYCLOPENTANETETRACARBOXYLIC ACID		8		Cov.by 10576		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
15055	-	*CYCLOPENTANETETRACARBOXYLIC ACID, METHYL ESTERS		9		Cov.by 10578		+
15060	00142-29-0	*CYCLOPENTENE	D	8		S1(14860)	+	+
15065	09000-16-2	DAMAR		3	Natural wax. Purity to be specified.	Same 45920		+
15070	01647-16-1	*1,9-DECADIENE	+	P		PO	+	+
15090	00112-47-0	*1,10-DECANEDIOL		8		S2(12430)		+
15095	00334-48-5	n-DECANOIC ACID	+	0	Food constituent.	S1(10480,10600)/Same 45940	+	+
15100	00112-30-1	1-DECANOL	+	3	See references for "Alcohols aliphatic,monohydric, saturated, linear, primary (C4-C22)" in same list.		+	+
15130	00872-05-9	*1-DECENE	+	8	Data inadequate.		+	+
15160	00765-05-9	*DECYL VINYL ETHER	D	7	Needed: hydrolysis data.	PVC,PVE	+	+
15190	-	*DIAMINES, ALIPHATIC, LINEAR (C2-C12)	D	9		Ex L9	+	+
15220	00088-63-1	*2,4-DIAMINOBENZENESULPHONIC ACID		W			+	
15250	00110-60-1	1,4-DIAMINOBUTANE	+	2	TDI: 0.6 mg/kg b.w. 28- and 90-day oral rat studies, mutagenicity tests. (RIVM report 88/6788097003, 03-05-1988).		+	+
15255	00694-83-7	*1,2-DIAMINOCYCLOHEXANE		8				+
15260	00646-25-3	*1,10-DIAMINODECANE	D	8		S1(15190)	+	+
15265	01208-52-2	*2,4'-DIAMINODIPHENYLMETHANE		8				+
15270	02783-17-7	*1,12-DIAMINODODECANE	D	8		S1(15190)	+	+
15272	00107-15-3	1,2-DIAMINOETHANE	+			Same 16960	+	+
15274	00124-09-4	1,6-DIAMINOHEXANE	+			Same 18460	+	+
15275	38668-46-1	*2,4-DIAMINO-6-[2-(2-METHYL-1-IMIDAZOLYL)ETHYL]-1,3,5-TRIAZINE		8				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
15280	00542-02-9	*2,4-DIAMINO-6-METHYL-1,3,5-TRIAZINE	+	8	Data inadequate.	MF,PF,UF/Same 10155	+	+
15295	00373-44-4	*1,8-DIAMINOOCTANE	D	8		S1(15190)	+	+
15310	00091-76-9	*2,4-DIAMINO-6-PHENYL-1,3,5-TRIAZINE	+	8	Data old and inadequate.	MF,PF,UF/Same 13075	+	+
15340	00109-76-2	*1,3-DIAMINOPROPANE	+	8			+	+
15370	03236-53-1	*1,6-DIAMINO-2,2,4-TRIMETHYLHEXANE	+	8		PA	+	+
15400	03236-54-2	*1,6-DIAMINO-2,4,4-TRIMETHYLHEXANE	+	8		PA	+	+
15403	00120-95-6	*2,4-DI-tert-AMYLPHENOL						+
15406		*N,N-DIBUTYLACRYLAMIDE		6A		S2(12563)		+
15409	?	*3,5-DIBUTYLPHENOL		8		Cov.by 12576		+
15412	31291-60-8	*DI-sec-BUTYLPHENOL		8		S2(12576)		+
15414	00096-76-4	*2,4-DI-tert-BUTYLPHENOL		8		S2(12576)		+
15416	05875-45-6	*2,5-DI-tert-BUTYLPHENOL		8		S2(12576)		+
15418	00128-39-2	*2,6-DI-tert-BUTYLPHENOL		8		S2(12576)		+
15420	01138-52-9	*3,5-DI-tert-BUTYLPHENOL		8		S2(12576)		+
15430	03749-77-7	*4,4'-DICARBOXYDIPHENOXYBUTANE	D	8		PAR	+	
15460	03753-05-7	*4,4'-DICARBOXYDIPHENOXYETHANE	D	8		PAR	+	
15490	02215-89-6	*4,4'-DICARBOXYDIPHENYL ETHER	+	8		PAR	+	+
15520	04919-48-6	*4,4'-DICARBOXYDIPHENYL SULPHIDE	D	8		PAR	+	
15550	02449-35-6	*4,4'-DICARBOXYDIPHENYL SULPHONE	D	8		PAR	+	
15565	00106-46-7	1,4-DICHLOROBENZENE	+	2	TDI : 0.2 mg/kg bw. A 4-week oral rat study, 3 and 6 month oral rat and mouse studies, teratogenicity study, mutagenicity studies not showing genotoxicity. Oral carcinogenicity studies in mice and rats indicate that there is		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					limited evidence of carcinogenic potential in experimental animals. (NTP report n. 319, NIH publ, 87-2575, RIVM report 710401005 April 1991).			
15580	01653-19-6	*2,3-DICHLORO-1,3-BUTADIENE	+	6A			+	+
15610	00080-07-9	*4,4'-DICHLORODIPHENYL SULPHONE	+	7	Available Ames test and migration data. Needed: gene mutation and chromosome aberration studies.	PEEK,PEES-PEK ,PES,PTFE	+	+
15640	00156-59-2	*cis-1,2-DICHLOROETHYLENE	D	8			+	
15670	00156-60-5	*trans-1,2-DICHLOROETHYLENE	D	8			+	+
15695	00461-58-5	DICYANODIAMIDE		2	TDI : 1 mg/kg b.w. 2 year oral rat and dog studies and Ames tests. (American Cyanamide report 1969).	Same 47440		+
15700	05124-30-1	DICYCLOHEXYLMETHANE-4,4'-DIISOCYANATE	+	4A	See references for 3,3'-dimethyl-4,4'-diisocyanato biphenyl.	PUR/Same 13560	+	+
15730	00077-73-6	*DICYCLOPENTADIENE	+	8		PO,PS,UP	+	+
15735	00111-42-2	*DIETHANOLAMINE		8	Data inadequate. R: contact with food containing nitrite should be avoided.			+
15755		*N,N-DIETHYLACRYLAMIDE		6A		S2(12563)		+
15760	00111-46-6	DIETHYLENEGLYCOL	+	2	Group TDI: 0.5 mg/kg b.w. (SCF, 17th Series, 1986).	Same 13326/ Look at 89440	+	+
15770	04246-51-9	*DIETHYLENEGLYCOL BIS(3-AMINOPROPYL) ETHER		8				+
15780	00111-90-0	DIETHYLENEGLYCOL MONOETHYL ETHER		2	Group t-TDI : 0.05 mg/kg b.w. See references for 16996.			+
15790	00111-40-0	DIETHYLENETRIAMINE	+	3	R: 5 mg/kg. Available: 3-month oral rat study, several mutagenicity studies negative.	PP	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					(RIVM 90/678608/009).			
15805	01197-34-8	*3,5-DIETHYLPHENOL		8		Cov.by 12576		+
15820	00345-92-6	4,4'-DIFLUOROBENZOPHENONE	+	3	R : 0.05 mg/kg in food. Available: three mutagenicity tests negative, very low migration.(Rivm report, April 1992).	PES-PEEK/PEES -PEK/New subst	+	
15850	00383-29-9	*4,4'-DIFLUORODIPHENYL SULPHONE		W		PES-PPEK/PEES -PEK	+	
15855	59113-36-9	*DIGLYCEROL		8		Same 48480		+
15860	?	*DIHYDROPHTHALIC ACID		9		Cov.by 23320		+
15870	?	*DIHYDROPHTHALIC ANHYDRIDE		9		Cov.by 23410		+
15880	00120-80-9	1,2-DIHYDROXYBENZENE	+	2	TDI: 0.1 mg/kg b.w. A 90-day oral rat study, negative in vitro and in vivo mutagenicity tests, promoting effect in mouse skin painting assay. (SCC, 1983).	Same 24051	+	+
15910	00108-46-3	1,3-DIHYDROXYBENZENE	+	2	TDI: 0.04 mg/kg b.w. A 90-day oral rat study 5 days a week, metabolism in rabbit and man, several negative in vitro mutagenicity tests and no immunosuppressive action. (Henkel report 29-01-1980).	Same 24072	+	+
15940	00123-31-9	1,4-DIHYDROXYBENZENE	+	2	TDI: 0.01 mg/kg b.w. (SCF, 17th Series, 1986).	Same 18867,48620	+	+
15970	00611-99-4	4,4'-DIHYDROXYBENZOPHENONE	+	2	Group TDI: 0.1 mg/kg b.w. (for 4,4'-dihydroxybenzophenone; 2,2'-dihydroxy-4-methoxybenzophenone;2-hydroxy-4-hexoxybenzophenone;2-hydroxy-4-n-octoxybenzophenone). 90-day oral rat studies (2,2'-dihydroxy-4-methoxybenzophenone, 2-hydroxy-4-methoxybenzophenone	PES-PEEK/PEES -PEK/ Add SML(T) for additive Dir.	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					2-hydroxy-4-n-octyloxybenzophenone) a 18-week oral dog study (2-hydroxy-4-n-octyloxybenzophenone) and 2-year rat and dog studies (2-hydroxy-4-n-octyloxybenzophenone), a reproduction study (2-hydroxy-4-n-octyloxybenzophenone) plus metabolism. (J.Occup.Med. 1969, 11, 703, Food Cosm.Tox. 1972, 10, 41-50, RIVM report October 1972).			
16000	00092-88-6	4,4'-DIHYDROXYBIPHENYL	+	2	TDI: 0.1 mg/kg b.w. 90-day oral rat study and limited mutagenicity studies. (RIVM Doc/Tox 300/495 June 1984).	PET/Same 48760	+	+
16015	41417-03-2	*1,4-DIHYDROXYCYCLODODECANE		8		Cov.by 12430		+
16030	01965-09-9	*4,4'-DIHYDROXYDIPHENYL ETHER	D	8		PAR	+	+
16060	02664-63-3	*4,4'-DIHYDROXYDIPHENYL SULPHIDE	D	8		PAR	+	
16090	00080-09-1	*4,4'-DIHYDROXYDIPHENYL SULPHONE	+	7	Available: migration data less than 50 ppb. Needed: full reports on all mutagenicity studies.	Same 13617	+	+
16100	60793-35-3	*1,4-DIHYDROXY-2-METHYLCYCLOHEXANE		8		Cov.by 12430		+
16107	?	*DIHYDROXYTRICYCLODECANE		9		Ex L9*		+
16115	25167-70-8	*DIISOBUTENE		8				+
16116	00106-90-1	GLYCIDYL ACRYLATE		D			+	
16118	-	GLYCIDYL ESTER OF TRIALKYL(C5-C15) ACETIC ACID		D			+	+
16119	00106-91-2	GLYCIDYL METHACRYLATE		D			+	
16120	00110-97-4	*DIISOPROPANOLAMINE	D	8	R: contact with food containing nitrite should be avoided.	PUR	+	+
16136	16753-62-1	*DIMETHOXY(METHYL)VINYLSILANE		6A		S2(26245)		+
16138	02680-03-7	*N,N-DIMETHYLACRYLAMIDE		6A		S2(12563)		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
16145	00124-40-3	DIMETHYLAMINE		3	R: 0.06 mg/kg of food based on allowing 1% of estimated mean daily intake of secondary amines from food sources for packaging (Fd Chem.Toxicol. 29, 733-739, 1991).	Same 49225		+
16150	00108-01-0	DIMETHYLAMINOETHANOL	+	2	TDI: 0.3 mg/kg b.w. A 90-day oral rat study, studies in other species and observations in man. (Arch. Ind. Hyg. Occup. Med., 4, 1951, 119-122).	Y,Z/PAM,PAN,P VDC	+	+
16160	00120-65-0	*2-[(DIMETHYLAMINO)METHYL]PHENOL		8				+
16170	00103-87-7	*4-[(DIMETHYLAMINO)METHYL]PHENOL		8				+
16180	05205-93-6	*N-(DIMETHYLAMINOPROPYL)METHACRYLAMIDE	D	6A			+	
16190	00121-69-7	*N,N-DIMETHYLANILINE		8		Same 49280		+
16195	00103-83-3	*N,N-DIMETHYLBENZYLAMINE		8		See AD		+
16200	00616-38-6	*DIMETHYL CARBONATE		W8	Data inadequate.	PPMA/New subst.	+	
16210	06864-37-5	*3,3'-DIMETHYL-4,4'-DIAMINODICYCLOHEXYLM ETHANE	+	8		PA	+	+
16225	00109-55-7	*N,N-DIMETHYL-1,3-DIAMINOPROPANE		8				+
16240	00091-97-4	3,3'-DIMETHYL-4.4'-DIISOCYANATOBIPHENYL	+	4A	(SCF, 17th Series, 1986).	PUR	+	+
16243	?	*6,6-DIMETHYLHEPTANOIC ACID		8		S2(10435)(10576)(10596)		+
16246	?	*DIMETHYLHEXAHYDROPHTHALIC ACID		9		Cov.by 23350		+
16249		*DIMETHYLHEXAHYDROTEREPHTHALIC ACID		8		S2(16246)		+
16252	00110-03-2	*2,5-DIMETHYL-2,5-HEXANEDIOL	D	8		S1(12430)	+	+
16255	70621-82-8	*2,4-DIMETHYLHEXANOIC ACID		8		S2(10435)(10576)(10596)		+
16257	?	*3,4-DIMETHYLHEXANOIC ACID		8		S2(10435)(10576)(10596)		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
16258	60308-87-4	*3,5-DIMETHYLHEXANOIC ACID		8		S2(10425)(10576)(10596)		+
16260	60308-81-8	*4,5-DIMETHYLHEXANOIC ACID		8		S2(10435)(10576)(10596)		+
16263	00142-30-3	*2,5-DIMETHYL-3-HEXYNE-2,5-DIOL		8		S2(12430)		+
16266	01300-71-6	*DIMETHYLPHENOL		D		All specific terms are listed		+
16270	00526-75-0	*2,3-DIMETHYLPHENOL	+	8		Same 26377	+	+
16300	00105-67-9	*2,4-DIMETHYLPHENOL	+	8		Same 26375	+	+
16330	00095-87-4	*2,5-DIMETHYLPHENOL	+	8		Same 26379	+	+
16360	00576-26-1	*2,6-DIMETHYLPHENOL	+	8	Available: only some specific migration data but not consistent with SCF guidelines. Therefore not interpretable.	PPO	+	+
16363	00095-65-8	*3,4-DIMETHYLPHENOL		8		S2(12576)		+
16364	00108-68-9	*3,5-DIMETHYLPHENOL		8		S2(12576)		+
16370	00101-42-8	*N,N-DIMETHYL-N'-PHENYLUREA		8				+
16380	30734-81-7	*N,N-DIMETHYLPROPANEDIAMINE		8				+
16390	00126-30-7	*2,2-DIMETHYL-1,3-PROPANEDIOL	+	8		Same 22437	+	+
16393	00075-98-9	*2,2-DIMETHYLPROPIONIC ACID		8		Cov.by 10480		+
16395	05340-26-1	*2,2-DIMETHYLPROPIONIC ACID, 2,2-DIMETHYLPROPYL ESTER		8		Cov.by 10576		+
16398	52561-72-5	*2,2-DIMETHYLPROPIONIC ACID, 2,3-EPOXYPROPYL ESTER		6A		S2(25359)		+
16400	03377-92-2	*2,2-DIMETHYLPROPIONIC ACID, VINYL ESTER		7	Needed: provided hydrolysis can be demonstrated, data on 2,2-dimethylpropionic acid are requested.	S2(10224)		+
16410	00067-68-5	DIMETHYL SULPHOXIDE		3	DMSO is used as a carrier of drugs to facilitate skin			+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					penetration.			
16413	00137-99-5	*2,4-DINONYLPHENOL		8		S2(12576)		+
16416	01807-29-0	*2,4-DIOCTYLPHENOL		8		S2(12576)		+
16418	05806-72-4	*2,4-DI-tert-OCTYLPHENOL		8		S2(12576)		+
16420	00123-91-1	*DIOXANE	D	8		POM	+	
16450	00646-06-0	*1,3-DIOXOLANE	+	8		POM	+	+
16480	00126-58-9	DIPENTAERYTHRITOL	+	2	Group TDI: 1 mg/kg b.w. (with pentaerythritol). (SCF, 17th Series, 1986).	UP	+	+
16510	00138-86-3	*DIPENTENE	D	8	Data made available for assessment of chewing gum not available for this group.	PP,PT	+	+
16515	00120-95-6	*2,4-DI-tert-PENTYLPHENOL		8		S2(12576)		+
16525	00126-00-1	*DIPHENOLIC ACID				Same 13465		+
16540	00102-09-0	*DIPHENYL CARBONATE	+	8		PC	+	+
16570	04128-73-8	DIPHENYLETHER-4,4'-DIISOCYANATE	+	4A	See references for 3,3'-dimethyl-4,4'-diisocyanato biphenyl.	PA,PUR	+	+
16600	05873-54-1	DIPHENYLMETHANE-2,4'-DIISOCYANATE	+	4A	See references for 3,3'-dimethyl-4,4'-diisocyanato biphenyl.	LCU,PUR	+	+
16630	00101-68-8	DIPHENYLMETHANE-4,4'-DIISOCYANATE	+	4A	See references for 3,3'-dimethyl-4,4'-diisocyanato biphenyl.		+	+
16650	00127-63-9	*DIPHENYL SULPHONE		8				+
16655	00102-07-8	*N,N'-DIPHENYLUREA		8				+
16660	00110-98-5 and 25265-71-8	DIPROPYLENEGLYCOL	+	2	Group TDI: 1.5 mg/kg b.w. (with 1,2 polypropylene glycol). (SCF, 6th Series, 1978).	Same 13550	+	+
16670	34590-94-8	*DIPROPYLENEGLYCOL MONOMETHYL ETHER		8	Data inadequate.	S2(16810)		+
16675	?	*3,5-DIPROPYLPHENOL		8		Cov.by 12576		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
16685	23235-61-2	*DITRIMETHYLOLPROPANE		8				+
16690	01321-74-0	*DIVINYLBENZENE	+	6A		Same 51965	+	+
16697	00693-23-2	*DODECANEDIOIC ACID	+	8		S1(10300,10600)	+	+
16699	05675-51-4	*1,12-DODECANEDIOL		8		S2(12430)		+
16701	00112-53-8	1-DODECANOL		3	See references for "Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)" in same list.			+
16704	00112-41-4	*1-DODECENE		8		S2(12548)		+
16707	25377-73-5	*2-(DODECENYL)SUCCINIC ANHYDRIDE		8				+
16709	27193-86-8	*DODECYLPHENOL		9		Cov.by 12576		+
16711	00104-43-8	*4-DODECYLPHENOL		8		S2(16709)		+
16713	-	*DRYING OILS		9				+
16714	09000-75-3	*ELEMI		9				+
16715	13296-76-9	*ELEOSTEARIC ACID		8		S2(10596)		+
16717	25134-21-8	*ENDOMETHYLENEMETHYLTETRAHYDROPHTHALIC ANHYDRIDE		8				+
16719	03813-52-3	*ENDOMETHYLENETETRAHYDROPHTHALIC ACID	D	8		S1(23350)	+	+
16720	00826-62-0	*ENDOMETHYLENETETRAHYDROPHTHALIC ANHYDRIDE	D	8		UP	+	+
16750	00106-89-8	EPICHLOROHYDRIN	+	4A	Highly toxic. Induces forestomach tumours in rats after oral administration. (Report from Nat. Inst. of Publ. Health, Bilthoven 1982; International Program on Chemical Safety, Series Environmental Health Criteria, WHO, 33, 1984).	Look at 21823/Same 14570	+	+
16752	02386-87-0	*3,4-EPOXYCYCLOHEXANECARBOXYLIC ACID,3,4-EPOXYCYCLOHEXYLMETHYL ESTER		6A				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
16755	00556-52-5	*2,3-EPOXYPROPANOL		6A				+
16765	00122-60-1	*2,3-EPOXYPROPYL PHENYL ETHER		6A				+
16770	02210-79-9	*2,3-EPOXYPROPYL o-TOLYL ETHER		6A				+
16775	00112-86-7	ERUCIC ACID		3	Occurs in small amounts in some vegetable oils.	S2(10596)		+
16778	00107-21-1	1,2-ETHANEDIOL				Same 16990	+	+
16780	00064-17-5	ETHANOL	+	1	Acceptable. (SCF, 11th Series, 1981).	Same 52800	+	+
16810	-	*ETHER ALCOHOLS	D	9		Ex L9	+	+
16840	-	*ETHERS OF N-METHYLOLACRYLAMIDE	D	9		PAM	+	+
16870	-	*ETHERS OF N-METHYLOLMETHACRYLAMIDE	D	9		PAM,PBT,PET	+	+
16885	-	*ETHERS OF 1,1,1-TRIMETHYLOLPROPANE		9		Cov.by 16810		+
16900	13036-41-4	*N-(ETHOXYMETHYL)ACRYLAMIDE	D	6A		PAM	+	+
16910	00111-35-3	*3-ETHOXY-1-PROPANOL		8				+
16925	09004-57-3	ETHYLCELLULOSE		2	Group TDI : not specified based on Group ADI (=not specified) for certain modified cellulose. (JECFA 35 M., 1989).	Same 53280		+
16930	00075-00-3	*ETHYL CHLORIDE	D	8			+	
16950	00074-85-1	ETHYLENE	+	3	Residues of this gas in plastics are very small. The gas has low toxic potential. Migration into food will be toxicologically negligible. (Patty's Industrial Hygiene and Toxicology, 3rd ed. 1981).		+	+
16960	00107-15-3	ETHYLENEDIAMINE	+	2	TDI: 0.2 mg/kg b.w. Two 90-day oral rat studies. (ICI report, April 1975).	PA/Same 15272	+	+
16990	00107-21-1	ETHYLENEGLYCOL	+	2	Group TDI: 0.5 mg/kg b.w. (with diethyleneglycol). See references for	Same 16778/ Look at 89440	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					diethyleneglycol.			
16993	00111-76-2	ETHYLENEGLYCOL MONOBUTYL ETHER		2	Group t-TDI: 0.05 mg/kg b.w. See references for 16996.	S2(16810)		+
16996	00110-80-5	ETHYLENEGLYCOL MONOETHYL ETHER		2	Group t-TDI : 0.05 mg/kg bw. Several short term oral rat and dog studies, reproduction and teratogenicity studies. Carcinogenicity studies in mice and rats n ot reported. Mutagenicity studies inadequate. (RIVM summary, March 1991). Needed: Reports on 2 long term studies awaited for years, in vitro gene mutation in mouse lymphoma cells and migration data.			+
16999	00112-25-4	ETHYLENEGLYCOL MONOHEXYL ETHER		2	Group t-TDI: 0.05 mg/kg bw. See references as 16996.	S2(16810)		+
17002	00109-86-4	*ETHYLENEGLYCOL MONOMETHYL ETHER		6B	R: 0.05 mg/kg.			+
17005	00151-56-4	ETHYLENEIMINE	+	4A	Highly toxic by all exposure routes. Carcinogenic for mice orally. (IARC Monographs Vol 9, p. 37, Lyon 1975).		+	+
17020	00075-21-8	ETHYLENE OXIDE	+	4A	Strongly mutagenic in several studies. Induces forestomach tumours in rats after oral administration. (Brit. J. Cancer, 1982, 46, 924; IARC Monographs Vol. 11 and Suppl. 4, Lyon 1976 and 1982; Toxicity of ethylene oxide and its relevance to man. ECETOC, Technical Report n. 5, 1982).		+	+
17030	00094-96-2	*2-ETHYL-1,3-HEXANEDIOL		8				+
17040	00149-57-5	*2-ETHYLHEXANOIC ACID	+	6B-f	Needed: data according to guidelines plus peroxisome proliferation study.	S1(10480)/Sam e 5412	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
17041	41065-91-2	*3-ETHYLHEXANOIC ACID		8		S2(10435)(10576)(10596)		+
17050	00104-76-7	*2-ETHYL-1-HEXANOL	+	7	Needed: 90-day oral study, teratogenicity study and migration data. Data available for 55 M		+	+
17065	02461-15-6	*2-ETHYLHEXYL 2,3-EPOXYPROPYL ETHER		6A				+
17080	00103-44-6	*2-ETHYLHEXYL VINYL ETHER	D	7	Needed: provided hydrolysis can be demonstrated, data on 2-ethylhexanol are requested.	PVC,PVE	+	+
17110	16219-75-3	*5-ETHYLIDENEBICYCLO[2.2.1]HEPT-2-ENE	+	8		PO	+	+
17113	?	*3-ETHYL-4-METHYLPENTANOIC ACID		8		S2(10435)(10576)(10596)		+
17116	05877-42-9	*4-ETHYL-1-OCTYN-3-OL	D	8		S1(12400)	+	+
17118	25429-37-2	*ETHYLPHENOL		8		S2(12576)		+
17120	00090-00-6	*2-ETHYLPHENOL		8		S2(12576)		+
17121	00620-17-7	*3-ETHYLPHENOL		8		S2(12576)		+
17122	00123-07-9	*4-ETHYLPHENOL		8		S2(12576)		+
17128	02612-29-5	*2-ETHYL-1,3-PROPANEDIOL		8		Cov.by 12430		+
17140	00109-92-2	*ETHYL VINYL ETHER	D	7	Needed: hydrolysis data.	PVC,PVE	+	+
17150	00078-27-3	*1-ETHYNYLCYCLOHEXANOL	D	8		S1(12460)	+	
17160	00097-53-0	EUGENOL	+	4A	Metabolize into epoxyeugenol having initiating activity. (RIVM summary data, 12.05.1992 (cs/pm/1586)).	New mon/PC	+	
17170	61788-47-4	FATTY ACIDS, COCO	+	3	Equal to or similar to food fats.		+	+
17180	-	*FATTY ACIDS, DEHYDRATED		9				+
17190	68784-41-5	*FATTY ACID,C36, DIMER, HYDROGENATED		D		Modified and transferred in 17237		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
17200	68308-53-2	FATTY ACIDS, SOYA	+	3	Equal to or similar to food fats.		+	+
17215	-	FATTY ACIDS, SUNFLOWER OIL		3/D	Equal to or similar to food fats.	D as single acids are listed.		+
17230	61790-12-3	FATTY ACIDS, TALL OIL	+	3			+	+
17233	73138-53-1	*FATTY ACIDS, TALL OIL, DIMERS		8				+
17236	61790-37-2	FATTY ACIDS, TALLOW		3	Equal to or similar to food fats.	S2(10596)		+
17239	-	*FATTY AMINES, COCO		9				+
17245	08016-13-5	FISH OIL		3	Food fat.			+
17247	-	*FISH OIL FATTY ACIDS, AND THEIR DIMERS		D				+
17247/0		FISH OIL FATTY ACIDS (Food grade quality)		D				+
17247/1		FISH OIL FATTY ACIDS		3	Constituents of food fats.			+
17260	00050-00-0	FORMALDEHYDE	+	3	Residues of this gas in plastics will be very small. Formaldehyde is a normal intermediate in human metabolism. Carcinogenic for rats by inhalation at concentrations irritant to the respiratory tract. (Final report on a chronic inhalation study in rats and mice exposed to formaldehyde). (Battelle Columbus Labs. Columbus, Ohio, 1981).		+	+
17275	00064-18-6	FORMIC ACID		1	Group ADI : 3 mg/kg b.w. for formic acid and ethyl formate. (JECFA 17 M., 1973).	S2(10576)/Same 55040		+
17290	00110-17-8	FUMARIC ACID	+	1	ADI: 6 mg/kg b.w. (SCF, 25th Series, 1990).		+	+
17305	00141-02-6	*FUMARIC ACID, BIS(2-ETHYLHEXYL) ESTER	D	8		S1(17410)	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
17320	02807-54-7	*FUMARIC ACID, DIALLYL ESTER	D	6A			+	+
17350	00105-75-9	*FUMARIC ACID, DIBUTYL ESTER	+	7	Needed: hydrolysis data.		+	+
17365	02402-58-6	*FUMARIC ACID, DIDODECYL ESTER		7	Needed: hydrolysis data.	S1(17410)	+	+
17380	00623-91-6	*FUMARIC ACID, DIETHYL ESTER	D	7	Needed: hydrolysis data.		+	+
17385	-	*FUMARIC ACID, DIHEPTYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+
17390	19139-31-2	*FUMARIC ACID, DIHEXYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+
17394	00624-49-7	*FUMARIC ACID, DIMETHYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+
17398	07283-68-3	*FUMARIC ACID, DIOCTADECYL ESTER	D	7	Needed: hydrolysis data.	S1(17410)	+	+
17401	02997-85-5	*FUMARIC ACID, DIOCTYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+
17404	?	*FUMARIC ACID, DIPENTYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+
17407	14595-35-8	*FUMARIC ACID, DIPROPYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+
17410	-	*FUMARIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C1-C18)	D	9			+	+
17427/2		*FISH OIL FATTY ACIDS (Food grade quality), DIMERS		D				+
17427/3		*FISH OIL FATTY ACIDS, DIMERS		8/D		D as dimers of single acid listed		+
17440	-	*FUMARIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, UNSATURATED (C3-C18)	D	9		Ex L9	+	+
17470	-	*FUMARIC ACID, ESTERS WITH ALCOHOLS, POLYHYDRIC	D	9			+	
17473	16062-88-7	*FUMARIC ACID, MONOBUTYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+
17476	02459-05-4	*FUMARIC ACID, MONOETHYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+
17479	?	*FUMARIC ACID, MONOHEPTYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+
17482	45125-88-0	*FUMARIC ACID, MONOHEXYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
17485	02756-87-8	*FUMARIC ACID MONOMETHYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+
17488		*FUMARIC ACID, MONOOCTYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+
17491	-	*FUMARIC ACID, MONOPENTYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+
17494	-	*FUMARIC ACID, MONOPROPYL ESTER		7	Needed : hydrolysis data.	Cov.by 17410		+
17500	00098-01-1	*FURFURAL	D	7	Needed: 90-day oral study and mutagenicity studies.	MF,PF,UF	+	+
17505	00098-00-0	*FURFUROL		8				+
17510	29204-02-2	GADOLEIC ACID		0		S2(10596)		+
17520	12002-43-6	*GILSONITE		9				+
17530	00050-99-7	GLUCOSE	+	0			+	+
17560	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND 1,3-BUTANEDIOL	D	7	Needed: hydrolysis data.	PUR	+	+
17590	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND 1,4-BUTANEDIOL	D	7	Needed: hydrolysis data.	PUR	+	+
17620	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND DIETHYLENEGLYCOL	D	7	Needed: hydrolysys data.	PUR	+	+
17650	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND 2,2-DIMETHYL-1,3-PROPANEDIOL	D	7	Needed: hydrolysis data.	PUR	+	+
17680	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND ETHYLENEGLYCOL	D	7	Needed: hydrolysis data.	PUR	+	+
17710	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND GLYCEROL	D	7	Needed: hydrolysis data.	PUR	+	+
17740	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND 1,6-HEXANEDIOL	D	7	Needed: hydrolysis data.	PUR	+	+
17770	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND 1,2,6-HEXANETRIOL	D	7	Needed: hydrolysis data.	PUR	+	+
17800	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND PENTAERYTHRITOL	D	7	Needed: hydrolysis data.	PUR	+	+
17830	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND POLYETHYLENEGLYCOL (MOLECULAR WEIGHT	D	7	Needed: hydrolysis data.	PUR	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		GREATER THAN 200)						
17860	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND POLYPROPYLENEGLYCOL (MOLECULAR WEIGHT GREATER THAN 400)	D	7	Needed: hydrolysis data.	PUR	+	+
17890	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND PROPANEDIOL	D	7	Needed: hydrolysis data.	PUR	+	+
17920	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND SORBITOL	D	7	Needed: hydrolysis data.	PUR	+	+
17950	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND SUCROSE	D	7	Needed: hydrolysis data.	PUR	+	+
17980	-	*GLUCOSIDES OBTAINED FROM GLUCOSE AND 1,1,1-TRIMETHYLOLPROPANE	D	7	Needed: hydrolysis data.	PUR	+	+
18010	00110-94-1	GLUTARIC ACID	+	0			+	+
18040	29733-18-4	*GLUTARIC ACID, DIISODECYL ESTER	D	8		PUR	+	+
18055	01119-40-0	*GLUTARIC ACID, DIMETHYL ESTER		7	Needed: hydrolysis data.	S2(10240)		+
18070	00108-55-4	GLUTARIC ANHYDRIDE	+	3	Hydrolises to corresponding acid.	PUR	+	+
18100	00056-81-5	GLYCEROL	+	1	Group ADI: not specified for glycerol, glycerol diacetate, glycerol triacetate and glycerol monoacetate. (SCF, 11th Series, 1981).		+	+
18105	-	*GLYCEROL ESTERS OF DAMAR, COPAL, ELEMI, AND SANDARAC		9				+
18115	31566-31-1	GLYCEROL MONOSTEARATE		1	ADI : not specified. (JECFA 17 M., 1973).	Same 57520		+
18120	00107-22-2	*GLYOXAL		6A				+
18124	08016-24-8	HEMPSEED OIL		3	Food fat.	Cov.by 16713		+
18126	-	*HEMPSEED OIL FATTY ACID, AND THEIR DIMERS		D				+
18126/0		HEMPSEED OIL FATTY ACIDS (food grade quality)		D				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
18126/1		HEMPSEED OIL FATTY ACIDS		3/D	Constituents of food fats.			+
18126/2		*HEMPSEED OIL FATTY ACIDS (Food grade quality), DIMERS		D				+
18126/3		*HEMPSEED OIL FATTY ACIDS, DIMERS		8/D		D as dimers of single acids listed		+
18130	04371-64-6	*1,1-HEPTADECANEDICARBOXYLIC ACID	D	8			+	+
18135	23328-87-2	*2-HEPTADECYLIMIDAZOLE		8				+
18140	00629-30-1	*1,7-HEPTANEDIOL		8		S2(12430)		+
18150	00111-70-6	1-HEPTANOL		3	See references for "Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)" in same list.	S2(12365)		+
18160	25339-56-4	*HEPTENE	D	8			+	+
18190	00592-76-7	*1-HEPTENE	D	8			+	+
18220	68564-88-5	N-HEPTYLAMINOUNDECANOIC ACID	+	3	R: 0.05 mg/kg of food and not for use with fatty foods. Available: migration into non-fat simulants, 5 negative mutagenicity studies, incomplete 90-day oral rat study.	PA	+	
18250	00115-28-6	HEXACHLOROENDOMETHYLENETETRAHYDROPHTHALIC ACID	+	4A	Cancer in lung and liver of rats and mice, positive in mutagenicity study in mouse lymphoma cells. (NTP techn. Rep. 304, NIH publ. 87-2560 April 1987).	UP/Same 14527	+	+
18280	00115-27-5	HEXACHLOROENDOMETHYLENETETRAHYDROPHTHALIC ANHYDRIDE	+	4A	Hydrolyses easily to acid known for induction of lung cancer.	UP	+	+
18310	36653-82-4	1-HEXADECANOL	+	3	See references for "Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)" in same list.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
18320	00629-73-2	*1-HEXADECENE		8		S2(12548)		+
18325	07320-37-8	*1,2-HEXADECYLENE OXIDE		6A				+
18330	00057-09-0	HEXADECYLTRIMETHYLAMMONIUM BROMIDE		2	TDI : 0.1 mg/kg b.w. 400-day oral rat study. (RIVM report, September 1978).	Same 58960		+
18340	00822-28-6	*HEXADECYL VINYL ETHER	D	7	Needed: hydrolysis data.	PVC,PVE	+	+
18370	00592-45-0	*1,4-HEXADIENE	+	8-P		PO	+	+
18400	00592-42-7	*1,5-HEXADIENE	+	P	Available: 3 mutagenicity tests. Needed: 3 full mutagenicity reports and migration data.	PO	+	+
18430	00116-15-4	HEXAFLUOROPROPYLENE	+	4A	Mutagenicity studies in vitro and in vivo, suspect of genotoxicity.	PTFE,PVDF	+	+
18433	03971-31-1	*HEXAHYDROISOPHTHALIC ACID		8		Cov.by 23320		+
18436	01687-30-5	*HEXAHYDROPHTHALIC ACID	D	8		S1(23320)/Sam e 14875	+	+
18438	13149-00-3	*cis-1,2-HEXAHYDROPHTHALIC ACID		8		S2(10297)(105 76)		+
18439	14166-21-3	*trans-1,2-HEXAHYDROPHTHALIC ACID		8		S2(10297)(105 76)		+
18441	00085-42-7	*HEXAHYDROPHTHALIC ANHYDRIDE	+	8		S1(23410)	+	+
18444	01076-97-7	*HEXAHYDROTEREPHTHALIC ACID		8		Cov.by 23320		+
18446	00094-60-0	*HEXAHYDROTEREPHTHALIC ACID, DIMETHYL ESTER		8		S2(10240)(105 78)		+
18449	03089-11-0	*N,N,N',N',N'',N''-HEXAKIS(METHOXYMETHYL)-2,4,6-TRIAMINO-1,3,5-TRIAZINE		8				+
18460	00124-09-4	HEXAMETHYLENEDIAMINE	+	2	TDI: 0.04 mg/kg b.w. A 28-day oral rat study. (RIV report n. 48/80 March 1981).	PA/Same 15274	+	+
18490	15511-81-6	*HEXAMETHYLENEDIAMINE ADIPATE	D	8		PA	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
18520	38775-37-0	*HEXAMETHYLENEDIAMINE AZELATE	D	7	Needed: hydrolysis data.	PA	+	+
18550	-	*HEXAMETHYLENEDIAMINE DODECANEDICARBOXYLATE	D	8		PA	+	+
18580	-	*HEXAMETHYLENEDIAMINE HEPTADECANEDICARBOXYLATE	D	8		PA	+	+
18610	06422-99-7	*HEXAMETHYLENEDIAMINE SEBACATE	D	8		PA	+	+
18640	00822-06-0	HEXAMETHYLENE DIISOCYANATE	+	4A	See references for 3,3'-dimethyl-4,4'-diisocyanato biphenyl.	PA,PUR	+	+
18670	00100-97-0	HEXAMETHYLENETETRAMINE	+	3	Formaldehyde liberator. Evaluated by JECFA as a preservative for food. Amounts of formaldehyde likely to migrate into food are of no toxicological significance. (JECFA 17 M.).	MF,PF,UF	+	+
18695	06920-22-5	*1,2-HEXANEDIOL		8		S2(12430)		+
18700	00629-11-8	*1,6-HEXANEDIOL	+	8			+	+
18730	02935-44-6	*2,5-HEXANEDIOL	D	8			+	+
18760	00106-69-4	*1,2,6-HEXANETRIOL	D	8		PUR	+	+
18770	00142-62-1	n-HEXANOIC ACID		0		S2(10576)/Same 59360		+
18780	00111-27-3	1-HEXANOL		3	See references for "Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)" in same list.	S2(12365)		+
18790	25264-93-1	*HEXENE	D	8			+	+
18820	00592-41-6	1-HEXENE	+	3	R: 0.05 mg/kg in food. Available: 3 mutagenicity tests negative and migration data. (RIVM summary data, 14-02-1991).		+	+
18850	00107-41-5	*HEXYLENEGLYCOL	D	7	Needed: purity, physicochemical state, migration data.	Same 22072,59600	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
18865	03031-66-1	*3-HEXYN-2,5-DIOL	D	8		S1(12430)	+	+
18867	00123-31-9	HYDROQUINONE	+			Same 15940	+	+
18870	-	*N-omega-HYDROXYALKYL(C1-C6)AMIDES OF UNSATURATED ALIPHATIC MONO- AND POLYCARBOXYLIC ACIDS (C3-C18)		9				+
18880	00099-96-7	4-HYDROXYBENZOIC ACID	+	2	TDI: 10 mg/kg b.w. The value of the TDI is based upon the evaluation of the esters. (JECFA 1973).	PET	+	+
18885	01137-42-4	4-HYDROXYBENZOPHENONE		2	Group TDI : 0.01 mg/kg b.w. (for benzophenone and hydroxybenzophenone). Available for benzophenone: 90-day oral rat study and metabolism study (CIVO report R 3301, 1970).			+
18890	01965-29-3	*N-(2-HYDROXYETHYL)DIETHYLENETRIAMINE		8				+
18895	-	*N-HYDROXYMETHYL-N-ALKYL(C1-C6)AMIDES OF UNSATURATED ALIPHATIC MONO- AND POLYCARBOXYLIC ACIDS(C3-C18)		9				+
18900	00106-14-9	12-HYDROXYSTEARIC ACID		0		S2(10596)/Same 61840		+
18905	02628-17-3	*4-HYDROXYSTYRENE	+	6A		S1(24670)	+	
18910	00288-32-4	*IMIDAZOLE	D	8			+	
18940	00095-13-6	*INDENE	D	8			+	+
18970	00078-83-1	*ISOBUTANOL	+	8	Residue less than 1 mg/kg in food. No mutagenicity and oral data. (Directive 88/344/EEC).	Same 62270	+	+
19000	00115-11-7	ISOBUTENE	+	3	Residues of this gas in plastics are very small. The gas has low toxic potential. Migration into food will be toxicologically negligible. (Patty's Industrial Hygiene and	Same in AD list.	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					Toxicology, 3rd ed, 1981).			
19030	16669-59-3	*N-(ISOBUTOXYMETHYL)ACRYLAMIDE	+	6A		PAM,PVDC	+	+
19045	04548-27-0	*N-(ISOBUTOXYMETHYL)METHACRYLAMIDE		6A		S2(16870)		+
19060	00109-53-5	*ISOBUTYL VINYL ETHER	+	7	Needed: provided hydrolysis can be demonstrated, data on isobutanol are requested.	PS,PVC,PVE	+	+
19090	00078-84-2	*ISOBUTYRALDEHYDE	+	8			+	+
19105	00079-31-2	*ISOBUTYRIC ACID		8		S2(10576)		+
19120	25339-17-7	*ISODECANOL	+	8			+	+
19125	101051-37-0	*ISOMETHYLTETRAHYDROPHTHALIC ACID		9	Needed: chemical and structural formula.	Needed: chemical and structural formula!		+
19130	26896-18-4	*ISONONANOIC ACID	+	8		S1(10480)	+	+
19135	25103-52-0	*ISOOCTANOIC ACID		8		S2(10435)(10576)(10596)		+
19140	26952-21-6	*ISOOCTANOL	D	8			+	+
19145	02855-13-2	*ISOPHORONE DIAMINE				Same 12670	+	+
19150	00121-91-5	*ISOPHTHALIC ACID	+	7	Available: 90-day oral rat study, mutagenicity tests (some positive), migration data. Needed: Mouse limphoma assay, report on migration.	Same 23185	+	+
19180	00099-63-8	*ISOPHTHALIC ACID DICHLORIDE	+	7	Needed: original data on migration and genotoxicity.	PA,PET	+	+
19210	01459-93-4	ISOPHTHALIC ACID, DIMETHYL ESTER	+	3	R: 0.05 mg/kg in food. Available: 3 mutagenicity tests, negative. Migration data less than 0.050 mg/kg. (Rivm summary data, May 1991, CS/PM/969).	PET	+	+
19240	00744-45-6	*ISOPHTHALIC ACID, DIPHENYL ESTER	D	8		PET	+	+
19243	00078-79-5	*ISOPRENE	+			Same 21640	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
19245	07534-42-1	*N-(ISOPROPOXYMETHYL)ACRYLAMIDE		6A		S2(16840)		+
19255	00080-05-7	*4,4'-ISOPROPYLIDENEDIPHENOL	+			Same 13480	+	+
19260	00088-69-7	*2-ISOPROPYLPHENOL		8		S2(12576)		+
19262	00099-89-8	*4-ISOPROPYLPHENOL		8		S2(12576)		+
19265	30399-84-9	*ISOSTEARIC ACID		8		S2(10435)(10576)(10596)		+
19270	00097-65-4	*ITACONIC ACID	+	8			+	+
19300	02155-60-4	*ITACONIC ACID, DIBUTYL ESTER	D	7	Needed: hydrolysis data.		+	+
19315	00617-52-7	*ITACONIC ACID, DIMETHYL ESTER		8		S2(19435)		+
19330	07748-43-8	*ITACONIC ACID, 2,3-EPOXYPROPYL DIESTER	D	6A		PVDC	+	+
19360	-	*ITACONIC ACID, 2,3-EPOXYPROPYL MONOESTER	D	6A		PVDC	+	+
19390	-	*ITACONIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED(C1-C18)	D	9			+	+
19400	-	*ITACONIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, UNSATURATED (C3-C12)		9		Cov.by 19390		+
19420	-	*ITACONIC ACID, ESTERS WITH ALCOHOLS, POLYHYDRIC	D	9			+	+
19435	-	*ITACONIC ACID, METHYL ESTERS		9				+
19450	-	*LACTAMS OF omega-AMINOCARBOXYLIC ACIDS, ALIPHATIC, LINEAR (C7-C12)	D	9		PA	+	+
19460	00050-21-5	LACTIC ACID		1	ADI : not specified. (SCF, 25th Series, 1990).	Same 62960		+
19470	00143-07-7	LAURIC ACID	+	0		S1(10480,10600)/Same 63280	+	+
19480	02146-71-6	*LAURIC ACID, VINYL ESTER	D	7	Needed: hydrolysis data.		+	+
19490	00947-04-6	*LAUROLACTAM	+	8	90-day oral rat and dog studies performed. Data inadequate. (RIVM report September 1979).	S1(19450)	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
19495	22032-47-9	*LAUROLEIC ACID		8		S2(10576,10596)		+
19500	00623-99-4	*LICANIC ACID		8		S2(10596)		+
19510	11132-73-3	LIGNOCELLULOSE	+	3	Natural, non digestible fibre.	LCU	+	
19515	00557-19-5	LIGNOCERIC ACID		0		S2(10596)/Same 63920		+
19518	00060-33-3	LINOLEIC ACID		0		S2(10596)		+
19521	06144-28-1	*LINOLEIC ACID, DIMER		8		Cov.by 10600		+
19523		*LINOLEIC ACID, TRIMER		8		S2(10598)		+
19526	28290-79-1	LINOLENIC ACID		0		S2(10596)		+
19529	-	*LINOLENIC ACID, DIMER		8		Cov.by 10600		+
19532	08001-26-1	LINSEED OIL		3	Food fat.			+
19533	08001-26-1	LINSEED OIL (Food grade quality)		D		Same 64160		+
19534	-	*LINSEED OIL FATTY ACIDS, AND THEIR DIMERS		D				+
19534/0		LINSEED OIL FATTY ACIDS (Food grade quality)		D				+
19534/1		LINSEED OIL FATTY ACIDS		3/D	Constituents of food fats.			+
19534/2		LINSEED OIL FATTY ACID (food grade quality), DIMERS		D				+
19534/3		*LINSEED OIL FATTY ACIDS, DIMERS		8/D		D as single dimers listed.		+
19540	00110-16-7	MALEIC ACID	+	2	Group TDI: 0.5 mg/kg b.w. as maleic acid. (SCF, 17th Series, 1986).		+	+
19570	00999-21-3	*MALEIC ACID, DIALLYL ESTER	+	6A			+	+
19600	00105-76-0	*MALEIC ACID, DIBUTYL ESTER	+	7	Needed: hydrolysis data.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
19630	71550-61-3	*MALEIC ACID, DIESTER WITH 1,2-PROPANEDIOL	D	7	Needed: hydrolysis data.	PS	+	+
19660	00141-05-9	*MALEIC ACID, DIETHYL ESTER	D	7	Needed: hydrolysis data.		+	+
19670	31983-42-3	*MALEIC ACID, DIHEPTYL ESTER		7	Needed : hydrolysis data.	Cov.by 19810		+
19680	16064-83-8	*MALEIC ACID, DIHEXYL ESTER		7	Needed : hydrolysis data.	Cov.by 19810		+
19690	14234-82-3	*MALEIC ACID, DIISOBUTYL ESTER	D	7	Needed: hydrolysis data.		+	+
19720	01330-76-3	*MALEIC ACID, DIISOOCTYL ESTER	D	7	Needed: hydrolysis data.		+	+
19750	00624-48-6	*MALEIC ACID, DIMETHYL ESTER	D	7	Needed: hydrolysis data.		+	+
19780	02915-53-9	*MALEIC ACID, DIOCTYL ESTER	D	7	Needed: hydrolysis data.		+	+
19790	10099-71-5	*MALEIC ACID, DIPENTYL ESTER		7	Needed : hydrolysis data.	Cov.by 19810		+
19795	02432-63-5	*MALEIC ACID, DIPROPYL ESTER		7	Needed : hydrolysis data.	Cov.by 19810		+
19800	-	*MALEIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, UNSATURATED (C3-C18)		9				+
19810	-	*MALEIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, SATURATED (C1-C18)	D	9			+	+
19840	-	*MALEIC ACID, ESTERS WITH ALCOHOLS, POLYHYDRIC	D	9			+	+
19870	-	*MALEIC ACID, ESTER WITH 1,3-BUTANEDIOL	D	7	Needed: hydrolysis data.		+	+
19900	02424-58-0	*MALEIC ACID, MONOALLYL ESTER	D	6A		PS,PVC	+	+
19915	00925-21-3	*MALEIC ACID, MONOBUTYL ESTER	D	7	Needed: hydrolysis data.	S1(19810)	+	+
19930	-	*MALEIC ACID, MONOESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, UNSATURATED(C3-C18)	D	9			+	
19933	03990-03-2	*MALEIC ACID, MONOETHYL ESTER		7	Needed : hydrolysis data.	Cov.by 19810		+
19936	07423-42-9	*MALEIC ACID, MONO(2-ETHYLHEXYL) ESTER	+	8		S1(19810)	+	+
19939	15420-83-4	*MALEIC ACID, MONOHEPTYL ESTER		7	Needed : hydrolysis data.	Cov.by 19810		+
19942	15420-81-2	*MALEIC ACID, MONOHEXYL ESTER		7	Needed : hydrolysis data.	Cov.by 19810		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
19943	00924-83-4	*MALEIC ACID, MONOISOPROPYL ESTER		7	Needed: hydrolysis data.	N2(19810)		+
19945	03052-50-4	*MALEIC ACID, MONOMETHYL ESTER		7	Needed : hydrolysis data.	Cov.by 19810		+
19949	02370-71-0	*MALEIC ACID, MONOOCTYL ESTER		7	Needed : hydrolysis data.	Cov.by 19810		+
19952	15420-79-8	*MALEIC ACID, MONOPENTYL ESTER		7	Needed: hydrolysis data.	Same 19900		+
19955	00925-03-1	*MALEIC ACID, MONOPROPYL ESTER		7	Needed : hydrolysis data.	Cov.by 19810		+
19960	00108-31-6	MALEIC ANHYDRIDE	+	2	Group TDI: 0.5 mg/kg b.w. as maleic acid. (SCF, 6th Series, 1978).		+	+
19965	06915-15-7	MALIC ACID		1	ADI : not specified. (SCF, 25th Series, 1990).	Same 64960		+
19968	00141-82-2	MALONIC ACID		3	Occurs in plants.	S2(10576)/Same 65040		+
19972	00087-78-5	MANNITOL		1	ADI : acceptable. (SCF, 16th Series, 1985).	Same 65520		+
19975	00108-78-1	MELAMINE	+	2	See references for the same substance in additive list.	Same 25420	+	+
19977	00060-24-2	*2-MERCAPTOETHANOL		8		Same in AD list.		+
19990	00079-39-0	*METHACRYLAMIDE	+	6A			+	+
20005	51410-72-1	*METHACRYLAMIDOPROPYLTRIMETHYLAMMONIUM CHLORIDE		6A				+
20020	00079-41-4	METHACRYLIC ACID	+	2	Group t-TDI: 0.1 mg/kg b.w. pending the results of an adequate oral study. Available: a 2-year oral rat study and several other studies in several animal species with methyl methacrylate. (Tox. Appl. Pharmacol., 6, 1984, 29-36; RIV doc. Tox. 300730, February 1983).	X	+	+
20050	00096-05-9	*METHACRYLIC ACID, ALLYL ESTER	+	6A			+	+
20060	07659-36-1	*METHACRYLIC ACID, 2-AMINOETHYL ESTER		8				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
20068	45294-18-6	*METHACRYLIC ACID, ARACHIDYL ESTER		7	Needed : hydrolysis data.	S2(20620)		+
20075	16669-27-5	*METHACRYLIC ACID, BEHENYL ESTER		7	Needed : hydrolysis data.	S2(20620)		+
20080	02495-37-6	METHACRYLIC ACID, BENZYL ESTER	+	2	Group TDI: 0.1 mg/kg bw (as methacrylic acid). Hydrolysis (complete) data allow the allocation of the same TDI as methacrylic acid.	PAM	+	
20095	46729-07-1	*METHACRYLIC ACID, 4-tert-BUTYLCYCLOHEXYL ESTER	D	8		S1(20620)	+	+
20110	00097-88-1	METHACRYLIC ACID, BUTYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.	X	+	+
20140	02998-18-7	METHACRYLIC ACID, sec-BUTYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.	PAM,PVDC/X,Y	+	+
20170	00585-07-9	METHACRYLIC ACID, tert-BUTYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.	PAM/X,Y	+	+
20200	01888-94-4	*METHACRYLIC ACID, 2-CHLOROETHYL ESTER	D	8		PAM	+	
20230	-	*METHACRYLIC ACID, CYCLOHEXYLAMINOETHYL ESTER	D	8		PAM	+	
20260	00101-43-9	*METHACRYLIC ACID, CYCLOHEXYL ESTER	+	8			+	+
20290	16868-14-7	*METHACRYLIC ACID, CYCLOPENTYL ESTER	D	8			+	+
20320	03179-47-3	*METHACRYLIC ACID, DECYL ESTER	D	7	Needed: hydrolysis data.	PAM	+	+
20335	-	*METHACRYLIC ACID, N,N-DIALKYL(C1-C4)AMINOALKYL(C2-C8) ESTER		9				+
20350	-	*METHACRYLIC ACID, (DI-tert-BUTYLAMINO)ETHYL ESTER	D	8		PAM	+	+
20380	01189-08-8	*METHACRYLIC ACID, DIESTER WITH 1,3-BUTANEDIOL	+	8	Available: hydrolysis study shows incomplete hydrolysis.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
20410	02082-81-7	*METHACRYLIC ACID, DIESTER WITH 1,4-BUTANEDIOL	+	8			+	+
20425	02358-84-1	*METHACRYLIC ACID, DIESTER WITH DIETHYLENEGLYCOL		8		S2(20710)		+
20430	01985-51-9	*METHACRYLIC ACID, DIESTER WITH 2,2-DIMETHYL-1,3-PROPANEDIOL		8		S2(20680)		+
20440	00097-90-5	*METHACRYLIC ACID, DIESTER WITH ETHYLENEGLYCOL	+	8			+	+
20455	06606-59-3	*METHACRYLIC ACID, DIESTER WITH 1,6-HEXANEDIOL	D	8		S1(20680)	+	+
20470	25852-47-5	*METHACRYLIC ACID, DIESTER WITH POLYETHYLENEGLYCOL	+	8		PAM,PVDC	+	+
20473		*METHACRYLIC ACID, DIESTER WITH POLYPROPYLENEGLYCOL		9		S2(20710)/Changed 20815 into 20473		+
20480	01188-09-6	*METHACRYLIC ACID, DIESTER WITH 1,3-PROPANEDIOL		8		S2(20665)		+
20490	00109-17-1	*METHACRYLIC ACID, DIESTER WITH TETRAETHYLENEGLYCOL		8		S2(20710)		+
20500	00105-16-8	*METHACRYLIC ACID, 2-(DIETHYLAMINO)ETHYL ESTER	D	8		PAM	+	+
20530	02867-47-2	*METHACRYLIC ACID, 2-(DIMETHYLAMINO)ETHYL ESTER	+	7	Needed: hydrolysis data.	PAM,PMMA	+	+
20560	00142-90-5	*METHACRYLIC ACID, DODECYL ESTER	D	7	Needed: hydrolysis data.		+	+
20590	00106-91-2	*METHACRYLIC ACID, 2.3-EPOXYPROPYL ESTER	+	6A		PMMA,PVC,PVDC	+	+
20605	-	*METHACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C1-C18)		9				+
20620	-	*METHACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED(C1-C21)	D	9			+	+
20650	-	*METHACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, UNSATURATED(C4-C18)	D	9		PVC	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
20665	-	*METHACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, POLYHYDRIC		9				+
20680	-	*METHACRYLIC ACID, ESTERS WITH ALCOHOLS, POLYHYDRIC (C2-C21)	D	9			+	+
20710	-	*METHACRYLIC ACID, ESTERS WITH ETHERALCOHOLS	D	9		PAM	+	+
20740	39670-09-2	*METHACRYLIC ACID, ESTER WITH ETHOXYTRIETHYLENEGLYCOL	+	8	Available: hydrolysis (incomplete) data.	PAM	+	+
20770	-	*METHACRYLIC ACID, ESTERS WITH GLYCOLETHERS OBTAINED FROM MONO AND/OR DIGLYCOLS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC (C1-C18)	D	9			+	
20785	26915-72-0	*METHACRYLIC ACID, ESTER WITH METHOXYPOLYETHYLENEGLYCOL		8		S2(20710)		+
20800	24493-59-2	*METHACRYLIC ACID, ESTER WITH METHOXYTRIETHYLENEGLYCOL	D	8		PAM	+	+
20830	-	*METHACRYLIC ACID, ESTERS WITH 1,2-PROPANEDIOL	D	8		PAM,PVDC	+	+
20860	05039-78-1	*METHACRYLIC ACID, ESTER WITH TRIMETHYLETHANOLAMMONIUM CHLORIDE	D	8		PAM	+	
20875	02370-63-0	*METHACRYLIC ACID, 2-ETHOXYETHYL ESTER		8		S2(20710)		+
20890	00097-63-2	METHACRYLIC ACID, ETHYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.	X	+	+
20920	00688-84-6	*METHACRYLIC ACID, 2-ETHYLHEXYL ESTER	D	8			+	+
20928	05459-37-0	*METHACRYLIC ACID, HEPTYL ESTER		7	Needed : hydrolysis data.	S2(20620)		+
20935	02495-27-4	*METHACRYLIC ACID, HEXADECYL ESTER		7	Needed : hydrolysis data.	S2(20620)		+
20940	00142-09-6	*METHACRYLIC ACID, HEXYL ESTER		7	Needed : hydrolysis data.	Cov.by 20620		+
20945	04664-49-7	*METHACRYLIC ACID, 2-HYDROXYISOPROPYL ESTER (=methacrylic acid, 2-hydroxy-1-methylethyl ester)	D	7	Needed: hydrolysis data.	S1(20680)	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
20950	00923-26-2	*METHACRYLIC ACID, 2-HYDROXYPROPYL ESTER	+	8	Available: hydrolysis data. However no significant hydrolysis has been measured.		+	+
20965	02761-09-3	*METHACRYLIC ACID, 3-HYDROXYPROPYL ESTER	D	8		S1(20680)	+	+
20980	07534-94-3	*METHACRYLIC ACID, ISOBORNYL ESTER	D	8		PAM,PVC	+	
21010	00097-86-9	METHACRYLIC ACID, ISOBUTYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.	PAM,PVC/X,Y	+	+
21040	29964-84-9	*METHACRYLIC ACID, ISODECYL ESTER	D	8		PAM,PVC	+	+
21070	28675-80-1	*METHACRYLIC ACID, ISOOCTYL ESTER	D	8		PAM	+	+
21100	04655-34-9	METHACRYLIC ACID, ISOPROPYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.	PAM/X,Y	+	+
21115	00816-74-0	*METHACRYLIC ACID, METHALLYL ESTER	+	6A		S1(10450)	+	+
21130	00080-62-6	METHACRYLIC ACID, METHYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.	X,Y	+	+
21160	-	*METHACRYLIC ACID, MONOESTER WITH 1,3-BUTANEDIOL	D	8			+	+
21170	00997-46-6	*METHACRYLIC ACID, MONOESTER WITH 1,4-BUTANEDIOL	D	8		S1(20680)	+	+
21180	02351-43-1	*METHACRYLIC ACID, MONOESTER WITH DIETHYLENEGLYCOL		7	Needed: hydrolysis data.	S2(20710)		+
21190	00868-77-9	METHACRYLIC ACID, MONOESTER WITH ETHYLENEGLYCOL	+	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.	B1	+	+
21205	25736-86-1	*METHACRYLIC ACID, MONOESTER WITH POLYETHYLENEGLYCOL		7	Needed: hydrolysis data.	S2(20710)		+
21220	32360-05-7	*METHACRYLIC ACID, OCTADECYL ESTER	+	8	Hydrolysis negligible (CS/PM/1689).		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
21250	02157-01-9	*METHACRYLIC ACID, n-OCTYL ESTER	D	7	Needed: hydrolysis data.	PAM	+	+
21280	02177-70-0	METHACRYLIC ACID, PHENYL ESTER	+	2	Group TDI: 0.1 mg/kg bw (as methacrylic acid). Hydrolysis (complete) data allow the allocation of the same TDI as methacrylic acid.	PAM	+	
21310	03683-12-3	*METHACRYLIC ACID, PHENYLETHYL ESTER	D	8		PAM	+	
21340	02210-28-8	METHACRYLIC ACID, PROPYL ESTER	+	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.	X,Y	+	+
21370	10595-80-9	*METHACRYLIC ACID, 2-SULPHOETHYL ESTER	+	8			+	+
21400	54276-35-6	*METHACRYLIC ACID, SULPHOPROPYL ESTER	+	8		PVDC	+	+
21415	02549-53-3	*METHACRYLIC ACID, TETRADECYL ESTER		7	Needed : hydrolysis data.	Cov.by 20620		+
21430	04245-37-8	*METHACRYLIC ACID, VINYL ESTER	D	7	Needed: hydrolysis data.	PAM,PVC	+	+
21460	00760-93-0	METHACRYLIC ANHYDRIDE	+	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.	X/UP	+	+
21490	00126-98-7	METHACRYLONITRILE	+	4A	The chemical structure is similar to acrylonitrile. Methacrylonitrile should be treated in the same way as acrylonitrile.		+	+
21505	-	*METHALLYL ETHERS OF MONOHYDRIC ALCOHOLS (C1-C18)		9				+
21510	-	*METHALLYL ETHERS OF POLYHYDRIC ALCOHOLS (C2-C12)		9				+
21520	01561-92-8	*METHALLYLSULPHONIC ACID, SODIUM SALT	+	6A		PAM,PS,PVDC	+	
21550	00067-56-1	METHANOL	+	3	The toxicity profile well known also from intoxication of man. The potential migration into food will not be of toxicological significance. (SCF, 6th Series, 1978).		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
21560	-	*N-METHOXYALKYL(C1-C6)-N-ALKYL(C1-C6)AMIDES OF UNSATURATED ALIPHATIC MONO- AND POLYCARBOXYLIC ACIDS (C3-C18)		9				+
21568	-	*N-METHOXYALKYL(C1-C6)AMIDES OF UNSATURATED ALIPHATIC MONO- AND POLYCARBOXYLIC ACIDS (C3-C18)		9				+
21580	03644-11-9	*N-(METHOXYMETHYL)ACRYLAMIDE	D	6A		PAM	+	+
21610	03644-12-0	*N-(METHOXYMETHYL)METHACRYLAMIDE	D	6A			+	
21615	00150-76-5	*4-METHOXYPHENOL		8				+
21620	00107-98-2	*1-METHOXY-2-PROPANOL		8		S2(16810)		+
21630	01187-59-3	*N-METHYLACRYLAMIDE		6A		S2(12563)		+
21635	07413-02-7	*2-METHYLBICYCLO[4.3.0]NONA-3,8-DIENE		8		S2(13170)		+
21640	00078-79-5	*2-METHYL-1,3-BUTADIENE	+	6A		Same 19243	+	+
21670	00563-46-2	*2-METHYL-1-BUTENE	D	8			+	+
21700	00513-35-9	*2-METHYL-2-BUTENE	D	8			+	+
21730	00563-45-1	*3-METHYL-1-BUTENE	+	8			+	+
21733	00115-19-5	*2-METHYL-3-BUTYN-2-OL	D	8	4-week oral rat study. Data inadequate. (Bayer Rep. 12557, 1984-03-22).	S1(12400)	+	+
21736	02549-61-3	*alpha-METHYL-epsilon-CAPROLACTONE	D	8		S1(14290)	+	
21739	02549-60-2	*beta-METHYL-epsilon-CAPROLACTONE	D	8		S1(14290)	+	
21742	02549-58-8	*delta-METHYL-epsilon-CAPROLACTONE	D	8		S1(14290)	+	
21745	02549-59-9	*epsilon-METHYL-epsilon-CAPROLACTONE	D	8		S1(14290)	+	
21748	02549-42-0	*gamma-METHYL-epsilon-CAPROLACTONE	D	8		S1(14290)	+	
21751	26519-91-5	*METHYLCYCLOPENTADIENE		8		S2(12520)		+
21754	15520-10-2	*2-METHYL-1,5-DIAMINOPENTANE		8				+
21757	?	*METHYLENDOMETHYLENETETRAHYDROPHTHALIC ACID		8		Cov.by 23350		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
21760	00694-91-7	*5-METHYLENEBICYCLO(2,2,1)HEPT-2-ENE	+	8		PIB,PO	+	+
21790	00110-26-9	*METHYLENEBISACRYLAMIDE	D	6A		PAM	+	
21820	13093-19-1	*METHYLENEBISCAPROLACTAM	D	8		PA	+	
21821	00505-65-7	*1,4-(METHYLENEDIOXY)BUTANE	+			Same 13810	+	
21823	00598-09-4	2-METHYLEPICHLOROHYDRIN		4A	Chemical structure similar to epichlorohydrin, which is higly toxic and which induces forestomach tumours in rats after oral administration.			+
21826	?	*METHYLETHOXYDIMETHYLAMINODICHLOROSILANE		8		Formula requested		+
21829	00097-30-3	*alpha-METHYL-D-GLUCOSIDE		8				+
21832		*3-METHYLHEPTANOIC ACID		8		S2(10435)(10576)(10596)		+
21833	03302-03-2	*4-METHYLHEPTANOIC ACID		8		S2(10435)(10576)(10596)		+
21834		*5-METHYLHEPTANOIC ACID		8		S2(10435)(10576)(10596)		+
21835	00929-10-2	*6-METHYLHEPTANOIC ACID		8		S2(10435)(10576)(10596)		+
21837	01116-90-1	*4-METHYL-1,4-HEXADIENE	+	6A		S1(12520)	+	
21840	?	*METHYLHEXAHYDROPHTHALIC ACID		9		Cov.by 23350		+
21845	19438-60-9	*4-METHYLHEXAHYDROPHTHALIC ANHYDRIDE		8				+
21850	00095-71-6	*METHYLHYDROQUINONE	D	8		PAR	+	
21880	00717-27-1	*METHYLHYDROQUINONE DIACETATE	D	8		PAR	+	
21910	00814-78-8	*METHYL ISOPROPENYL KETONE	D	8			+	
21925	00109-02-4	N-METHYLMORPHOLINE		5		Same in AD list		+
21940	00924-42-5	N-METHYLOLACRYLAMIDE	+	4A	Genotoxic carcinogen. (RIVM report 04-03-1991).	PAM,PVDC	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
21970	00923-02-4	*N-METHYLOLMETHACRYLAMIDE	+	6A		PVDC/Same 66820	+	+
22000	01118-58-7	*2-METHYL-1,3-PENTADIENE	D	8			+	+
22030	01115-08-8	*3-METHYL-1,4-PENTADIENE	D	8			+	+
22060	00926-56-7	*4-METHYL-1,3-PENTADIENE	D	8			+	+
22070	00149-31-5	*2-METHYL-1,3-PENTANEDIOL		8		S2(12430)		+
22072	00107-41-5	*2-METHYL-2,4-PENTANEDIOL						+
22080	00108-11-2	*4-METHYL-2-PENTANOL		8				+
22090	00763-29-1	*2-METHYL-1-PENTENE	D	8			+	+
22120	00760-20-3	*3-METHYL-1-PENTENE	D	8			+	+
22150	00691-37-2	4-METHYL-1-PENTENE	+	3	R: 0.05 mg/kg in food. 28- and 90-day oral rat studies. Ames test negative, cytogenicity study doubtful. (RIVM summary 1990-02-22).		+	+
22180	04461-48-7	*4-METHYL-2-PENTENE	D	8			+	+
22190	02163-42-0	*2-METHYL-1,3-PROPANEDIOL		8		Cov.by 12430		+
22210	00098-83-9	*alpha-METHYLSTYRENE	+	6A		Same 66920	+	+
22240	00622-97-9	*p-METHYLSTYRENE	+	6A		Same 26292	+	+
22242	06144-04-3	alpha-METHYLSTYRENE DIMER		D		CT	+	
22245	?	*METHYLTETRAHYDROPHTHALIC ACID		9		Cov.by 23350		+
22247	26590-20-5	*METHYL-1,2,3,6-TETRAHYDROPHTHALIC ANHYDRIDE		8				+
22256	01185-55-3	*METHYLTRIMETHOXYSILANE		8				+
22270	00107-25-5	*METHYL VINYL ETHER	+	7	Needed: hydrolysis data.		+	+
22300	00078-94-4	*METHYL VINYL KETONE	D	6A			+	
22330	01822-74-8	*METHYL VINYL THIOETHER	D	6A		PO	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
22335	28693-00-7	*MONOCHLOROACETIC ACID, ESTER WITH 5-(HYDROXYMETHYL)-BICYCLO[2.2.1]HEPT-2-ENE		6A				+
22340	00074-89-5	*MONOMETHYLAMINE		W8	Data inadequate.	PMMA/New subst.	+	
22345	13732-62-2	MORPHOLINE p-TOLUENESULPHONATE		5				+
22350	00544-63-8	MYRISTIC ACID	+	0		S1(10480,10600)	+	+
22355	00544-64-9	*MYRISTOLEIC ACID		8		S2(10596)		+
22360	01141-38-4	*2,6-NAPHTHALENEDICARBOXYLIC ACID	+	8		PAR,PEN	+	+
22390	00840-65-3	2,6-NAPHTHALENEDICARBOXYLIC ACID, DIMETHYL ESTER	+	3	R: 0.05 mg/kg in food. 3 months oral rat study, 4 mutagenicity tests negative, migration data. (RIVM summary, September 1991).	PAR/PEN/New subst.	+	
22420	03173-72-6	1,5-NAPHTHALENE DIISOCYANATE	+	4A	See references for 3,3'-dimethyl-4,4'-diisocyanato biphenyl.	PUR	+	+
22424	26761-45-5	*NEODECANOIC ACID, 2,3-EPOXYPROPYL ESTER		6A		S2(25359)		+
22428	51000-52-3	*NEODECANOIC ACID, VINYL ESTER	+	7	Needed: provided hydrolysis can be demonstrated, data on neodecanoic acid are requested.	S1(10420)	+	+
22435	54423-67-5	*NEONONANOIC ACID, VINYL ESTER		7	Needed: provided hydrolysis can be demonstrated, data on neononanoic acid are requested.	S2(10224)		+
22437	00126-30-7	*NEOPENTYLGLYCOL	+			Same 16390	+	+
22440	93820-32-7	*NEOUNDECANOIC ACID, VINYL ESTER		7	Needed: provided hydrolysis can be demonstrated, data on neoundecanoic acid are requested.	S2(10224)		+
22450	09004-70-0	NITROCELLULOSE	+	3	(SCF, 6th Series, 1978).		+	+
22465	00112-05-0	*NONANOIC ACID	D	8		S1(10480)	+	+
22480	00143-08-8	1-NONANOL	+	3	See references for "Alcohols,		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					aliphatic, monohydric, saturated, linear, primary (C4-C22)" in same list.			
22510	27215-95-8	*NONENE	D	8			+	+
22535	25154-52-3	*NONYLPHENOL		9		Cov.by 12576		+
22538	00136-83-4	*2-NONYLPHENOL		8		S2(22535)		+
22540	00104-40-5	*4-NONYLPHENOL	+	8		MF,PF,UF	+	+
22545	00121-46-0	2,5-NORBORNADIENE				Same 13177		+
22550	00498-66-8	*NORBORNENE	D			Same 13180	+	
22555	00112-92-5	1-OCTADECANOL		3	See references for "Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C24)" in same list.	Cov.by 12375		+
22570	00112-96-9	OCTADECYL ISOCYANATE	+	4A	See references for 3,3'-dimethyl-4,4'-diisocyanato biphenyl.	PA	+	+
22580	00930-02-9	*OCTADECYL VINYL ETHER	D	7	Needed: hydrolysis data.	PVC,PVE	+	+
22585	03710-30-3	*1,7-OCTADIENE	+	8		S1(12520)	+	+
22596	00629-41-4	*1,8-OCTANEDIOL		8		S2(12430)		+
22600	00111-87-5	1-OCTANOL	+	3	See references for "Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)" in same list.		+	+
22630	25377-83-7	*OCTENE (except 1-OCTENE)	D	8		Z	+	+
22660	00111-66-0	1-OCTENE	+	2	t-TDI: 0.25 mg/kg b.w. pending results of fertility and teratogenicity studies. Available: a 90-day oral rat study and mutagenicity studies. (CIVO rep. V86.408/251091, 26 September 1986).		+	+
22675	00111-86-4	*OCTYLAMINE		8				+
22690	01806-26-4	*4-OCTYLPHENOL	D	8		MF,PF,UF	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
22720	00140-66-9	*4-tert-OCTYLPHENOL	+	8			+	+
22750	00929-62-4	*OCTYL VINYL ETHER	D	7	Needed: hydrolysis data.	PVC,PVE	+	+
22755	08016-35-1	*OITICICA OIL		8	Not food fat.	Cov.by 16713		+
22757	-	*OITICICA OIL FATTY ACIDS, AND THEIR DIMERS		D				+
22757/0		OITICICA OIL FATTY ACIDS (Food grade quality)		D				+
22757/1		*OITICICA OIL FATTY ACIDS		8/D	It is not an oil from food sources.			+
22757/2		*OITICICA OIL FATTY ACIDS (food grade quality), DIMERS		D				+
22757/3		*OITICICA OIL FATTY ACIDS, DIMERS		8/D		D as dimers of single acid listed		+
22763	00112-80-1	OLEIC ACID	+	1	ADI : not specified. (SCF, 25th Series, 1990).	S2(10596)/Sam e 69040	+	+
22764	07049-68-5	*OLEIC ACID, DIMER		8		S2(10598)		+
22766	00143-28-2	OLEYL ALCOHOL		3	Precursor of oleic acid.	Same 69760		+
22769		*OLIVE OIL FATTY ACIDS, AND THEIR DIMERS		D		S2(10596)(10598)		+
22769/0		OLIVE OIL FATTY ACIDS (Food grade quality)		D				+
22769/1		OLIVE OIL FATTY ACIDS		3/D	Constituents of food fats.			+
22769/2		*OLIVE OIL FATTY ACIDS (food grade quality), DIMERS		D				+
22769/3		*OLIVE OIL FATTY ACIDS, DIMERS		8/D		D as dimers of single acid listed		+
22770		OLIVE OIL FATTY ACIDS, AND THEIR DIMERS (food grade quality)		D		Same 22769		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
22775	00144-62-7	OXALIC ACID		2	TDI : 0.1 mg/kg b.w. 2-year oral rat study, observations in man. (J. Am. Pharm. Ass. 1947, 36, 217-219, Patty).	Same 69920		+
22780	00057-10-3	PALMITIC ACID	+	1	ADI: not specified. (SCF, 25th Series, 1990).		+	+
22785	00373-49-9	PALMITOLEIC ACID		0		S2(10596)		+
22790		*PALM KERNEL OIL FATTY ACIDS, AND THEIR DIMERS		D		S2(P10596)(10598)		+
22790/0		PALM KERNEL OIL FATTY ACIDS (Food grade quality)		D				+
22790/1		PALM KERNEL OIL FATTY ACIDS		3/D	Constituents of food fats.			+
22790/2		PALM KERNEL OIL FATTY ACIDS (food grade quality), DIMERS		D				+
22790/3		*PALM KERNEL OIL FATTY ACIDS, DIMERS		8/D				+
22791		PALM KERNEL OIL FATTY ACIDS, AND THEIR DIMERS (Food grade quality)		D		Same 22795		+
22795		*PALM OIL FATTY ACIDS, AND THEIR DIMERS		D		S2(10596)(10598)		+
22795/0		PALM OIL FATTY ACIDS (Food grade quality)		D				+
22795/1		PALM OIL FATTY ACIDS		3/D	Constituents of food fats.			+
22795/2		*PALM OIL FATTY ACIDS (food grade quality), DIMERS		D				+
22795/3		*PALM OIL FATTY ACIDS, DIMERS		8/D		D as dimers of single acid listed		+
22796		PALM OIL FATTY ACIDS, AND THEIR DIMERS (Food grade quality).		D		Same 22795		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
22800	00501-24-6	*3-PENTADECYLPHENOL		8				+
22810	00504-60-9	*1,3-PENTADIENE	D	8		PO	+	+
22811	00591-93-5	*1,4-PENTADIENE	D	8		S1(12520)	+	+
22840	00115-77-5	PENTAERYTHRITOL	+	2	Group TDI: 1 mg/kg b.w. (with dipentaerythritol). See references for dipentaerythritol.		+	+
22842	02590-16-1	*PENTAERYTHRITOL DIALLYL ETHER	D	6A		S1(16810)	+	+
22844	?	*PENTAERYTHRITOL MONOALLYL ETHER		6A		Cov.by 16810		+
22846	01471-17-6	*PENTAERYTHRITOL TRIALLYL ETHER		6A		Cov.by 16810		+
22848	04067-16-7	*PENTAETHYLENEHEXAMINE		8				+
22853	03030-47-5	*N,N,N',N',N''-PENTAMETHYLDIETHYLENETRIAMINE		8				+
22858	05343-92-0	*1,2-PENTANEDIOL	D	8		S1(12430)	+	+
22861	00111-29-5	*1,5-PENTANEDIOL	D	8		S1(12430)	+	+
22864	00625-69-4	*2,4-PENTANEDIOL		8		S2(12430)		+
22867	00109-52-4	PENTANOIC ACID		0		S2(10576)		+
22870	00071-41-0	1-PENTANOL	+	3	See references for "Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)" in same list.		+	+
22900	00109-67-1	*1-PENTENE	+	7	Available : migration data, 2 mutagenicity tests negative. Needed: gene mutation in mammalian cells.		+	+
22901	00109-68-2	*2-PENTENE	D	8		S1(12550)	+	+
22908	00646-04-8	*trans-2-PENTENE		8				+
22912	00627-19-0	*1-PENTYNE		8			+	
22930	-	*PERFLUOROALKYL (C1-C3) PERFUOROVINYL ETHERS	D	9		PTFE	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
22932	01187-93-5	*PERFLUOROMETHYL PERFLUOROVINYL ETHER	+	6A		S1(22930)	+	+
22935	03823-94-7	*PERFLUOROMETHYL VINYL ETHER	D	7	Needed: provided hydrolysis can be demonstrated, data on perfluoromethanol are requested.	S1(22930)	+	+
22937	01623-05-8	*PERFLUOROPROPYL PERFLUOROVINYL ETHER	+	6A		S1(22930)	+	
22940	06996-01-6	*PERFLUOROPROPYL VINYL ETHER	D	7	Needed: provided hydrolysis can be demonstrated, data on perfluoropropanol are requested.	S1(22930)	+	+
22945	68132-21-8	PERILLA OIL		3	Food fat.	Cov.by 16713		+
22950	-	*PERILLA OIL FATTY ACIDS, AND THEIR DIMERS		D				+
22950/0		PERILLA OIL FATTY ACIDS (Food grade quality)		D				+
22950/1		PERILLA OIL FATTY ACIDS		3/D	Constituents of food fats.			+
22950/2		*PERILLA OIL FATTY ACIDS (food grade quality), DIMERS		D				+
22950/3		*PERILLA OIL FATTY ACIDS, DIMERS		8/D		D as dimers of single acid listed		+
22960	00108-95-2	PHENOL	+	2	TDI: 1.5 mg/kg b.w. 90-day oral studies in mice and rats, multigeneration studies oral in rats and 2-year studies oral in mice and rats. (NTP 80-15, NIH Tech. report 203, J. Pharm. Exp. Ther. 184, 1973, 695).		+	+
22990	-	*PHENOLS, MONO- AND DIHYDRIC, ALKOXYLATED OR HYDROGENATED	D	9		UP	+	+
23005	-	*PHENYL-o-CRESOL		9				+
23020	28994-41-4	*alpha-PHENYL-o-CRESOL	D	8		MF,PF,UF	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
23050	00108-45-2	1,3-PHENYLENEDIAMINE	+	4A	Since the data on carcinogenicity by the oral route were inadequate and the substance demonstrated some genotoxic potential, it is only acceptable for use provided there is no detectable migration into food by an agreed sensitive method.	PA	+	+
23080	01079-21-6	*PHENYLHYDROQUINONE	D	8		PAR	+	
23110	58244-28-3	*PHENYLHYDROQUINONE DIACETATE	D	8		PAR	+	
23125	00103-71-9	PHENYL ISOCYANATE		4A	Isocyanates can hydrolyse to corresponding amines. Some aromatic amines are carcinogenic.			+
23140	00092-69-3	*4-PHENYLPHENOL	D	8		MF,PF,UF	+	+
23155	00075-44-5	PHOSGENE	+			Same 14380	+	+
23170	07664-38-2	PHOSPHORIC ACID	+	1	MTDI: 70 mg/kg b.w. (as P). (SCF, 25th Series, 1990).	PETh,PUR	+	+
23173	01314-56-3	PHOSPHORIC ANHYDRIDE		1	MTDI : 70 mg/kg b.w. (as P). (SCF, 25th Series, 1990).			+
23178	00101-02-0	*PHOSPHOROUS ACID, TRIPHENYL ESTER		8				+
23185	-	*PHTHALIC ACIDS	+			Same 19150,23200	+	+
23187	-	PHTHALIC ACID	+			Same 24910	+	
23200	00088-99-3	o-PHTHALIC ACID	+	2	Group TDI: 1 mg/kg b.w. Included in the group TDI for phthalic anhydride.		+	+
23215	-	*PHTHALIC ACIDS, CHLORINATED		9		Cov.by 23290		+
23230	00131-17-9	PHTHALIC ACID, DIALLYL ESTER	+	4A	Genotoxic carcinogen (mouse and rat). (RIVM doc. 91/679112/001).	Same AD	+	+
23260	00088-95-9	*o-PHTHALIC ACID DICHLORIDE	D	7	Needed: hydrolysis data.	UP	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
23290	-	*PHTHALIC ACID, HALOGENATED DERIVATIVES	D	9		UP	+	+
23320	-	*PHTHALIC ACIDS, HYDROGENATED	D	9		UP	+	+
23350	-	*PHTHALIC ACIDS, HYDROGENATED, SUBSTITUTED, ENDOSUBSTITUTED, AND THEIR HALOGENATED DERIVATIVES	D	9			+	+
23380	00085-44-9	PHTHALIC ANHYDRIDE	+	2	Group TDI: 1 mg/kg b.w. (SCF, 17th Series, 1986).		+	+
23410	-	*PHTHALIC ANHYDRIDE, HYDROGENATED	D	9		UP	+	+
23440	00111-16-0	*PIMELIC ACID	D	8			+	+
23470	00080-56-8	alpha-PINENE	+	3	Occurs naturally in food. Used as a flavour. Migration into food would be self-limiting, because of its taste. (Fd Cosmetic Tox. 16, 1978 suppl. 1, 853).		+	+
23500	00127-91-3	beta-PINENE	+	3	Occurs naturally in food. Used as a flavour up to 600 mg/kg of food. Migration into food would be self-limiting because of its taste. (Food Cosmet. Toxicol. 16 (suppl.1) 1978, 859-861).		+	+
23505	00110-85-0	PIPERAZINE		3	Migration negligible. Only for use as a constituent of composite nanofiltration membrane.			+
23510	01574-41-0	*cis-PIPERYLENE		8				+
23515	09003-17-2	*POLYBUTADIENE		9				+
23518	-	*POLYBUTADIENE, EPOXIDIZED		9				+
23523	25038-44-2	*POLY(1-BUTENYLENE)		8				+
23530	25190-06-1	*POLY(1,4-BUTYLENEGLYCOL)(MOLECULAR WEIGHT GREATER THAN 1000)	+	9		PET,PUR/Mixt	+	+
23533	27417-83-0	*POLY(1,4-BUTYLENEGLYCOL) BIS(4-AMINOBUTYL) ETHER		8				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
23540	?	*POLYCYCLOPENTENE		9				+
23543	-	*POLYCYCLOPENTENE, EPOXIDIZED		9				+
23560	-	*POLYETHERS BASED ON ETHYLENE OXIDE, PROPYLENE OXIDE AND/OR TETRAHYDROFURAN, CONTAINING FREE HYDROXYL GROUPS	D	9		PUR	+	+
23590	25322-68-3	POLYETHYLENEGLYCOL	+	2	Group TDI: 5 mg/kg b.w. (with triethyleneglycol). See references for triethyleneglycol. (SCF, 6th Series, 1978).		+	+
23594	09004-74-4	*POLYETHYLENEGLYCOL MONOMETHYL ETHER		8		S2(16810)		+
23597	09016-45-9	*POLYETHYLENEGLYCOL NONYLPHENYL ETHER		7	Needed: specifications and molecular weight.	Same 78400		+
23600	68131-73-7	*POLYETHYLENEPOLYAMINES		9				+
23605	65605-36-9	*POLY(ETHYLENE PROPYLENE)GLYCOL BIS (2-AMINOPROPYL) ETHER		8				+
23610	25618-55-7	*POLYGLYCEROL		9		Cov.by 16810		+
23615	29435-48-1	*POLYHYDROXYBUTYRATE (for memo BIOPOL).To be deleted here and introduced in a special annex if authorized.		W		New subst.	+	
23620	-	*POLYOLS DERIVED FROM PHENOLS AND BISPHENOLS, HYDROGENATED AND/OR CONDENSED WITH EPOXYALKANES AND/OR ARYLEPOXYALKANES POSSIBLY HALOGENATED, ALKOXYLATED, ARYLOXYLATED	D	9			+	
23635	68442-33-1	*POLYPROPYLENE, CHLORINATED		9				+
23650	25322-69-4	POLYPROPYLENEGLYCOL (MOLECULAR WEIGHT GREATER THAN 400)	+	2	Group TDI: 1.5 mg/kg b.w. (with dipropyleneglycol). See references for dipropyleneglycol.	PAM,PUR,PVDC	+	+
23660	39423-51-3	*POLYPROPYLENEGLYCOL 2-AMINOPROPYL ETHER,ETHER WITH 1,1,1-TRIMETHYLOLPROPANE		8				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
23670	09046-10-0	*POLYPROPYLENEGLYCOL BIS(2-AMINOPROPYL)ETHER		8				+
23680	09002-89-5	*POLYVINYLALCOHOLS	D	D			+	+
23710	63148-65-2	*POLYVINYLBUTYRALS	D	9			+	+
23720	09003-33-2	*POLYVINYLFORMAL		9				+
23730	08002-11-7	POPPYSEED OIL		3	Food fat.	Cov.by 16713		+
23731	08002-11-7	POPPYSEED OIL (Food grade quality)		D				+
23733	-	*POPPYSEED OIL FATTY ACIDS, AND THEIR DIMERS		D				+
23733/0		POPPYSEED OIL FATTY ACIDS (Food grade quality)		D				+
23733/1		POPPYSEED OIL FATTY ACIDS		3/D	Constituents of food fats.			+
23733/2		*POPPYSEED OIL FATTY ACIDS (food grade quality), DIMERS		D				+
23733/3		*POPPYSEED OIL FATTY ACIDS, DIMERS		8/D		D as dimers of single acid listed		+
23734	-	POPPYSEED OIL FATTY ACIDS, AND THEIR DIMERS (Food grade quality).		D		Same 23733		+
23740	00057-55-6	1,2-PROPANEDIOL	+	1	ADI: 25 mg/kg b.w. (JECFA 17 M., 1973).		+	+
23770	00504-63-2	*1,3-PROPANEDIOL	+	8-P		PUR	+	+
23800	00071-23-8	1-PROPANOL	+	3	(SCF, 11th Series, 1981; JECFA 25 M.).		+	+
23830	00067-63-0	2-PROPANOL	+	1	t-ADI: 1.5 mg/kg b.w. (SCF, 11th Series, 1981)		+	+
23845	00499-12-7	*1,2,3-PROPENETRICARBOXYLIC ACID				Same 10615		+
23847		*1,2,3-PROPENETRICARBOXYLIC ACID, METHYL ESTER				Same 10620		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
23860	00123-38-6	PROPIONALDEHYDE	+	3	Occurs naturally in food. Used as a flavour up to 13 mg/kg of food. Migration into food will be self-limiting because of its taste.		+	+
23890	00079-09-4	PROPIONIC ACID	+	1	Group ADI: not specified. (SCF, 1st Series, 1974).		+	+
23920	00105-38-4	*PROPIONIC ACID, VINYL ESTER	+	7	Needed: hydrolysis data.	PS,PVC	+	+
23950	00123-62-6	PROPIONIC ANHYDRIDE	+	1	Group ADI: included in the ADI not specified for propionic acid.(SCF, 1st Report, 1974).		+	
23960	38779-95-2	*N-(PROPOXYMETHYL)ACRYLAMIDE		6A		S2(16840)		+
23970		*N-PROPYLACRYLAMIDE		6A		S2(12563)		+
23980	00115-07-1	PROPYLENE	+	3	Residues of this gas in plastics are very small. The gas has a low toxic potential. Migration into food will be toxicologically negligible.(Patty's Industrial Hygiene and Toxicology, 3rd ed., 1981).		+	+
23995	00108-32-7	*PROPYLENE CARBONATE		8				+
24010	00075-56-9	PROPYLENE OXIDE	+	4A	Mutagenic in several studies. Induces forestomach tumours in rats after oral administration. (Brit. J. Cancer 1982, 46, 924).		+	+
24015	50995-95-4	*2-PROPYLIMIDAZOLE		8				+
24017	26998-80-1	*PROPYLPHENOL		9	Specify which isomer is used.	S2(12576)		+
24020	00644-35-9	*2-PROPYLPHENOL		8		S2(12576)		+
24021	00621-27-2	*3-PROPYLPHENOL		8		S2(12576)		+
24022	00645-56-7	*4-PROPYLPHENOL		8		S2(12576)		+
24040	00764-47-6	*PROPYL VINYL ETHER	D	7	Needed: hydrolysis data.	PVC,PVE	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
24045	08016-49-7	PUMPKINSEED OIL		3	Food fat.			+
24046	08016-49-7	PUMPKINSEED OIL (Food grade quality)		D				+
24047	-	*PUMPKINSEED OIL FATTY ACIDS, AND THEIR DIMERS		D				+
24047/0		PUMPKINSEED OIL FATTY ACIDS (Food grade quality)		D				+
24047/1		PUMPKINSEED OIL FATTY ACIDS		3/D	Constituents of food fats.			+
24047/2		*PUMPKINSEED OIL FATTY ACIDS (food grade quality), DIMERS		D				+
24047/3		*PUMPKINSEED OIL FATTY ACIDS, DIMERS		8/D		D as dimers of the single acids listed		+
24048	-	PUMPKINSEED OIL FATTY ACIDS, AND THEIR DIMERS (Food grade quality)		D		Same 24047		+
24051	00120-80-9	PYROCATECHOL	+			Same 15880	+	
24055	00089-05-4	PYROMELLITIC ACID		3	R: 0.05 mg/kg in food. Same references as pyromellyitic anhydride.	Same 13040		+
24057	00089-32-7	PYROMELLITIC ANHYDRIDE	+	3	R: 0.050 mg/kg in food. Available data: 3 requested mutagenicity, studies negative, no bioaccumulation, migration less than 0.05 mg/kg in all food simulants.	New subst.	+	
24060	-	*QUATERNARY AMMONIUM SALTS OF N,N-DIALKYL(C1-C4)AMINOALKYL(C2-C8) ACRYLATE OR METHACRYLATE WITH ACETIC ACID, BENZENESULPHONIC ACID, HYDROBROMIC ACID, CHLOROSULPHONIC ACID, AND HYDROCHLORIC ACID		9				+
24065		*RAPESEED OIL FATTY ACIDS, AND THEIR DIMERS		D		S2(10596)(10598)		+
24065/0		RAPESEED OIL FATTY ACIDS (Food grade quality)		D				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
24065/1		RAPESEED OIL FATTY ACIDS		3/D	Constituents of food fats.			+
24065/2		*RAPESEED OIL FATTY ACIDS (food grade quality), DIMERS		D				+
24065/3		*RAPESEED OIL FATTY ACIDS, DIMERS		8/D		D as dimers of the single acids listed		+
24066		RAPESEED OIL FATTY ACIDS, AND THEIR DIMERS (Food grade quality).		D		Same 24065		+
24070	73138-82-6	RESIN ACIDS AND ROSIN ACIDS	+	2	Group TDI: 1 mg/kg b.w. (SCF, 17th Series, 1986).		+	+
24072	00108-46-3	RESORCINOL	+			Same 15910	+	+
24075	00141-22-0	RICINOLEIC ACID		2	TDI : 0.7 mg/kg b.w. based on ADI for castor oil. (SCF, 7th Series, 1978).	Same 83680		+
24078	-	RICINOLEIC ACID, DEHYDRATED		3	Identical to or similar to consituents of food fats.			+
24080		*RICINOLEIC ACID, DEHYDRATED, DIMER		8		S2(10598)		+
24085	-	*RICINOLEIC ACID, HYDROGENATED		D		Same 18900		+
24100	08050-09-7	ROSIN	+	2	Group TDI: 1 mg/kg b.w. (SCF, 17h Series, 1986).	Same 14687	+	+
24115	08050-31-5	ROSIN, ESTER WITH GLYCEROL		1	ADI: 12.5 mg/kg bw. (SCF,.....see cs/pm/1623).	Same 84000		+
24130	08050-09-7	ROSIN GUM	+	2	Group TDI: 1 mg/kg b.w. (SCF, 6th Series, 1978).		+	+
24140	-	*ROSIN, HYDROGENATED, ESTERS WITH ALCOHOLS, POLYHYDRIC, C3-C6		9				+
24150	65997-05-9	*ROSIN, POLYMERIZED		9				+
24160	08052-10-6	ROSIN TALL OIL	+	3			+	+
24190	09014-63-5	ROSIN WOOD	+	2	Group TDI: 1 mg/kg b.w. (SCF, 6th Series, 1978).		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
24220	09006-03-5	*RUBBER, CHLORINATED	D	9			+	
24250	09006-04-6	RUBBER, NATURAL	+	3	Migration unlikely.		+	
24260	08001-23-8	SAFFLOWER OIL		3	Food fat.	Cov.by 16713		+
24261	08001-23-8	SAFFLOWER OIL (Food grade quality)		D				+
24262	-	*SAFFLOWER OIL FATTY ACIDS, AND THEIR DIMERS		D				+
24262/0		SAFFLOWER OIL FATTY ACIDS (Food grade quality)		D				+
24262/1		SAFFLOWER OIL FATTY ACIDS		3/D	Constituents of food fats.	D as single acids listed		+
24262/2		*SAFFLOWER OIL FATTY ACIDS (food grade quality), DIMERS		D				+
24262/3		*SAFFLOWER OIL FATTY ACIDS, DIMERS		8/D		D as dimers of the single acids		+
24263	-	SAFFLOWER OIL FATTY ACIDS, AND THEIR DIMERS (Food grade quality).		D		Same 24262		+
24270	00069-72-7	SALICYLIC ACID	+	3	Naturally occurring in food in low concentration.	Same 84640	+	+
24275	09000-57-1	*SANDARAC		9				+
24280	00111-20-6	SEBACIC ACID	+	2	Group TDI: 3 mg/kg b.w. (SCF, 17th Series 1986).		+	+
24310	00111-19-3	*SEBACIC ACID DICHLORIDE	D	7	Needed: migration and hydrolysis data. Pending these results necessity for a 28-day oral study and further studies to be considered.		+	+
24340	02432-89-5	*SEBACIC ACID, DI-n-DECYL ESTER	D	68	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.	UP	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
24370	00106-79-6	*SEBACIC ACID, DIMETHYL ESTER	+	6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.	PET,UP/To be del.in 3 amendm	+	+
24400	02918-18-5	*SEBACIC ACID, DIPHENYL ESTER	D	8		PET,PUR	+	+
24430	02561-88-8	SEBACIC ANHYDRIDE	+	2	Group TDI : 3 mg/kg b.w. Included in the group TDI for sebacic acid.		+	+
24435	08008-74-0	SESAME OIL		3	Food fat.			+
24436	08008-74-0	SESAME OIL (Food grade quality)		D				+
24437	-	*SESAME OIL FATTY ACIDS, AND THEIR DIMERS		D				+
24437/0		SESAME OIL FATTY ACIDS (Food grade quality)		D				+
24437/1		SESAME OIL FATTY ACIDS		3/D	Constituents of food fats.	D as single acids listed		+
24437/2		*SESAME OIL FATTY ACIDS (food grade quality), DIMERS		D				+
24437/3		*SESAME OIL FATTY ACIDS, DIMERS		8/D		D as dimers of single acids listed		+
24438	-	SESAME OIL FATTY ACIDS, AND THEIR DIMERS (Food grade quality)		D		Same 24437		+
24440	09000-59-3	SHELLAC		1	Acceptable. (SCF, 26th Series, 1992).			+
24445	-	*SILANOLS CONTAINING AT LEAST ONE HYDROXYL GROUP AND ONE OR MORE METHYL GROUPS ON EACH SILICON ATOM		9				+
24460	00124-41-4	SODIUM METHANOLATE		D		PVAC/Cov.by 21550	+	+
24475	01313-82-2	SODIUM SULPHIDE	+	3	Organoleptically self limiting.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
24490	00050-70-4	SORBITOL	+	1	Acceptable. (SCF, 16th Series, 1985).		+	+
24520	08001-22-7	SOYBEAN OIL	+	3	Food fat.		+	+
24525		*SOYBEAN OIL FATTY ACIDS, DIMERS		8/D		S2(10598)/D as dimers of single acid are listed		+
24526		SOYBEAN OIL FATTY ACIDS (food grade quality), DIMERS		D		Cov.by 24525/0		+
24540	09005-25-8	STARCH, EDIBLE	+	0		Same 88800/New subst.	+	
24550	00057-11-4	STEARIC ACID	+	1	ADI: not specified. (SCF, 25th Series, 1990).		+	+
24560	00111-63-7	*STEARIC ACID, VINYL ESTER	+	8	Hydrolysis negligible (CS/PM/1895).	S1(10420)	+	+
24610	00100-42-5	STYRENE	+	4B	Several oral studies performed: 6-month rat, 19-month dog, carcinogenicity in mice (3) and in rats (4), 3-generation reproduction and teratogenicity in rats. Mutagenicity studies positive only with activation. (RIVM doc. 1990-05-03 (CS/PM/428), BGA doc. 1990-07-17 (CS/PM/475), CS/PM/915). NOTA BENE: the wg wishes to establish a limit for styrene in food and asked the Commission to provide migration data. The wg of the SCF has the intention to recommend to the Commission a ban for styrene in oven ware due to unacceptably high migration.	X	+	+
24640	-	*STYRENE SUBSTITUTED BY ALKYL GROUPS (alpha)	D	9			+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
24670	-	*STYRENE SUBSTITUTED IN THE BENZENE RING	D	9			+	
24700	-	*STYRENE SUBSTITUTED BY HALOGENS (alpha or beta)	D	9			+	
24730	-	*STYRENE SUBSTITUTED IN THE VINYL GROUP	D	9			+	
24760	26914-43-2	*STYRENESULPHONIC ACID	+	6AP			+	+
24790	00505-48-6	*SUBERIC ACID	D	8		PA	+	+
24820	00110-15-6	SUCCINIC ACID	+	1	ADI: not specified. (SCF, 25th Series, 1990).		+	+
24835	00106-65-0	*SUCCINIC ACID, DIMETHYL ESTER		7	Needed : hydrolysys data.	S2(10240)		+
24850	00108-30-5	SUCCINIC ANHYDRIDE	+	2	TDI : not specified based on ADI (=not specified) for succinic acid.		+	+
24880	00057-50-1	SUCROSE	+	0			+	+
24885	05329-14-6	*SULPHAMIC ACID		8				+
24887	06362-79-4	5-SULPHOISOPHTHALIC ACID, MONOSODIUM SALT	+	3	R: 5 mg/kg in food. 90-day oral rat study, 3 mutagenicity studies negative, bioaccumulation and migration data. (Rivm summary data, May 1992 (CS/PM/1590)).	New mon./Ref_N 12995 is changed into 24887	+	
24888	03965-55-7	5-SULPHOISOPHTHALIC ACID, MONOSODIUM SALT, DIMETHYL ESTER	+	3	R: 0.05 mg/kg in food. Available: 3 mutagenicity tests, negative. Migration data less than 0.05 mg/kg. (Rivm summary data, August 1992 (cs/pm/1638)).	New subst.	+	
24890	-	*SULPHOSUCCINIC ACID, MONOALLYL ESTER, SALTS		6A				+
24895	08001-21-6	SUNFLOWER OIL		3	Food fat.			+
24896	08001-21-6	SUNFLOWER OIL (Food grade quality)		D				+
24900	-	*SUNFLOWER OIL FATTY ACIDS, AND THEIR DIMERS		D				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
24900/0		SUNFLOWER OIL FATTY ACIDS (Food grade quality)		D				+
24900/1		SUNFLOWER OIL FATTY ACIDS		3/D	Constituents of food fats.			+
24900/2		*SUNFLOWER OIL FATTY ACIDS (food grade quality), DIMERS		D				+
24900/3		*SUNFLOWER OIL FATTY ACIDS, DIMERS		8/D		D as dimers of single acid listed		+
24901	-	SUNFLOWER OIL FATTY ACIDS, AND THEIR DIMERS (Food grade quality)		D		Same 24900		+
24905	08002-26-4	TALL OIL		3	Not a food oil but toxicologically acceptable. (SCF, Series 17th, 198...).			+
24910	00100-21-0	TEREPHTHALIC ACID	+	2	t-TDI: 0.125 mg/kg b.w. Available: 3-month and 2-year oral rat studies, mutagenicity test negative. Needed: full reports from CIIT and ICI. (CIIT, 1982)(UK document "Terephthalic acid: proposed use in animal foodstuffs", 1984).	Same 23187	+	+
24940	00100-20-9	TEREPHTHALIC ACID DICHLORIDE	+	2	Group TDI: 0.175 mg/Kg (as terephthalic acid) Hydrolysis (complete) data allow the allocation of the same TDI of terephthalic acid.		+	+
24970	00120-61-6	TEREPHTHALIC ACID, DIMETHYL ESTER	+	2	TDI: 1 mg/kg b.w. 90-day oral mouse and rat studies and long-term studies in mice and rats not indicating tumour induction. (NCI Tech.report Series N. 121, 1979).		+	+
25000	01539-04-4	*TEREPHTHALIC ACID, DIPHENYL ESTER	D	8		PET	+	+
25030	16646-44-9	*TETRA(ALLYLOXY)ETHANE	+	6A			+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
25035	13810-83-8	TETRABROMOPHTHALIC ACID		5		S1(23290)	+	+
25040	05411-70-1	TETRABROMOTEREPHTHALIC ACID		5		Cov.by 23290		+
25060	00632-58-6	*TETRACHLOROPHTHALIC ACID	D	8		UP	+	+
25067	21964-49-8	*1,13-TETRADECADIENE		6A		S2(12520)		+
25070	00112-72-1	1-TETRADECANOL		3	See references for "Alcohols, aliphatic, monohydric, saturated, linear, primary (C24-C22)" in same list.	Cov.by 12375		+
25080	01120-36-1	*1-TETRADECENE		8		S1(12550)	+	
25090	00112-60-7	TETRAETHYLENEGLYCOL	+	1	ADI: 10 mg/kg b.w. (JECFA 23 M., 1979).		+	+
25105	00112-57-2	*TETRAETHYLENEPENTAMINE		8		Same AD		+
25120	00116-14-3	TETRAFLUOROETHYLENE	+	3	R: 0.050 mg/kg in food. Available 3 mutagenicity studies negative. No migration data available. (Summary data from RIVM, CS/PM/925).	PTFE,PVAC	+	+
25135	68889-71-4	*TETRAHYDRODICYCLOPENTADIENEDIMETHANAMINE		8				+
25150	00109-99-9	TETRAHYDROFURAN	+	2	TDI: 0.01 mg/kg b.w. 6-month oral studies in mice, rats and rabbits. (Gig. Sanit. 34, 1969, 114, EPA 560/11-80-011, April 1980).	PUR,PVDC/X,W	+	+
25155	29965-78-4	*TETRAHYDROPHTHALIC ACID		9				+
25158	00088-98-2	*1,2,3,6-TETRAHYDROPHTHALIC ACID	D	8		S1(23320)	+	+
25161	00085-43-8	*1,2,3,6-TETRAHYDROPHTHALIC ANHYDRIDE	+	8	1-year oral rat study inadequate. (Allied Chem. Corp. 1958).	S1(23410)	+	+
25163	02426-02-0	*3,4,5,6-TETRAHYDROPHTHALIC ANHYDRIDE		8				+
25170	06147-62-2	*1,1,5,5-TETRAKIS[4(2,3-EPOXYPROPOXY)PHENYL]PENTANE		6A				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
25173	07727-33-5	*1,1,2,2-TETRAKIS(4-HYDROXYPHENYL)ETHANE		8				+
25176	48229-25-0	*1,1,5,5-TETRAKIS(4-HYDROXYPHENYL)PENTANE		8				+
25180	00102-60-3	N.N.N.'N'-TETRAKIS(2-HYDROXYPROPYL)ETHYLENEDIAMINE	+	2	TDI: 1 mg/kg b.w. A 90-day oral rat study. (Hilltop Research Inst. Inc. January 3, 1956).	PUR	+	+
25191	00126-86-3	*2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL		8		S2(12430)		+
25193	00110-95-2	*N,N,N',N'-TETRAMETHYL-1,3-DIAMINOPROPANE		8				+
25201	00111-48-8	*THIODIETHYLENEGLYCOL		8				+
25203	00096-27-5	*1-THIOGLYCEROL		8				+
25205	00108-88-3	TOLUENE		3	R: 0.02 mg/kg bw based on allowing 1/10 of TDI for food packaging uses. Long term inhalation studies in mice and rats and a 13-week oral study in mice. (WHO draft, Geneva, September 1992)(CS/PM/1713).	Same 93540		+
25208	26471-62-5	TOLUENE DIISOCYANATE		4A	See references for 3,3'-dimethyl-4,4'-diisocyanato biphenyl.			+
25210	00584-84-9	2,4-TOLUENE DIISOCYANATE	+	4A	See references for 3,3'-dimethyl-4,4'-diisocyanato biphenyl.	PUR	+	+
25240	00091-08-7	2,6-TOLUENE DIISOCYANATE	+	4A	See references for 3,3'-dimethyl-4,4'-diisocyanato biphenyl.	PUR	+	+
25270	26747-90-0	2,4-TOLUENE DIISOCYANATE DIMER	+	4A	See references for 3,3'-dimethyl-4,4'-diisocyanato biphenyl.	PUR	+	+
25300	00088-19-7	*o-TOLUENESULPHONAMIDE	+	8		MF,PF,UF	+	+
25330	00070-55-3	*p-TOLUENESULPHONAMIDE	D	7	Needed: mutagenicity and reproduction studies on the	MF,PF,UF	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					commercial mixture to be specified.			
25340	00093-69-6	*o-TOLYLBIGUANIDE	+	D				+
25350	04130-08-9	*(TRIACETOXY)VINYLSILANE		6A		S2(26245)		+
25355	-	*TRIALKYL(C4-C11)ACETIC ACID		9				+
25359	-	*TRIALKYL(C4-C11)ACETIC ACID, 2,3-EPOXYPROPYL ESTER		9				+
25360	-	TRIALKYL(C5-C15)ACETIC ACID, 2,3-EPOXYPROPYL ESTER	+	2	TDI: 0.1 mg/kg b.w. A 5-week oral rat study and mutagenicity tests. (Group Research Reports, SBGR. 81.248, 1981 and TLGR.79.072).	Same 14390/ Includes cardura	+	+
25380		*TRIALKYL(C5-C15)ACETIC ACID, VINYL ESTERS (=Vinyl versatate)	+	7	Available: mutagenicity test negative, high bioaccumulation, hydrolysis incomplete. Needed: hydrolysis in additional simulants and migration data.	S1(10420)/Sam e 26330	+	+
25382	-	*TRIALKYL(C5-C20)ACETIC ACID, VINYL ESTER		7	Needed: provided hydrolysis can be demonstrated, data on trialkyl(C5-C20)acetic acid are requested.	Cov.by 10420		+
25390	00101-37-1	*TRIALLYL CYANURATE	+	6A		Same 93205/PAM,PVC ,PVDC	+	+
25405	01025-15-6	*TRIALLYL ISOCYANURATE		6A				+
25420	00108-78-1	2,4,6-TRIAMINO-1,3,5-TRIAZINE	+	2	TDI: 0.5 mg/kg b.w. (SCF, 17th Series, 1986).	W,Y,Z /Same 19975	+	+
25435	-	*TRICHLOROBUTADIENE		6A				+
25450	26896-48-0	*TRICYCLODECANEDIMETHANOL	+	8		UP	+	+
25465	?	*TRICYCLODECANEMONOMETHANOL		9		Cov.by 10576		+
25480	00102-71-6	*TRIETHANOLAMINE	+	8		PUR/Same 25922,94000	+	+
25510	00112-27-6	TRIETHYLENEGLYCOL	+	2	Group TDI: 5 mg/kg b.w. (with		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					polyethyleneglycol). (SCF, 17th Series, 1986).			
25515	00112-50-5	*TRIETHYLENEGLYCOL MONOETHYL ETHER		8				+
25520	00112-24-3	*TRIETHYLENETETRAMINE		8		Same AD		+
25530	?	*TRIGLYCEROL		8				+
25540	00528-44-9	*TRIMELLITIC ACID	+	7	Available: documentation for 25550 considered appropriate also for this compound. Needed: in first instance migration data into fat simulants at 175xC for 2 hours.	PUR/Same 13050	+	+
25550	00552-30-7	*TRIMELLITIC ANHYDRIDE	+	7	See references for 25540 because documentation available covered both.		+	+
25552	01204-28-0	*TRIMELLITIC ANHYDRIDE ACID CHLORIDE				Same 13140,14587		+
25554	16715-84-7	*TRIMETHALLYL CYANURATE		6A				+
25556	06291-95-8	*TRIMETHALLYL ISOCYANURATE		6A				+
25561	02768-02-7	*(TRIMETHOXY)VINYLSILANE		D		Same 26320	+	+
25563	03586-39-8	*2,2,4-TRIMETHYLADIPIC ACID		8		Cov.by 10300		+
25564	03937-59-5	*2,4,4-TRIMETHYLADIPIC ACID		8		Cov.by 10300		+
25565	-	*2,2,4-TRIMETHYLADIPIC ACID, METHYL ESTERS		9	Group R: 0.025 mg/kg b.w.	Cov.by 10240		+
25566	-	*2,4,4-TRIMETHYLADIPIC ACID, METHYL ESTERS		9	Group R: 0.025 mg/kg b.w.	Cov.by 10240		+
25570	00067-48-1	*TRIMETHYLETHANOLAMMONIUM CHLORIDE	D	8		PAM	+	+
25580	03302-10-1	*3,5,5-TRIMETHYLHEXANOIC ACID		8		S2(10435)(10576)(10596)		+
25595	00077-85-0	*TRIMETHYLOLETHANE		9		Cov.by 12430		+
25600	00077-99-6	1,1,1-TRIMETHYLOLPROPANE	+	2	TDI: 0.1 mg/kg b.w. A 90-day oral rat study.	PET,PUR,UP/Same 13380	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					(Report Perstorp, Sweden).			
25630	37275-47-1	*1,1,1-TRIMETHYLOLPROPANE DIACRYLATE	D	7	Needed: hydrolysis data.		+	+
25645	00682-09-7	*1,1,1-TRIMETHYLOLPROPANE DIALLYL ETHER	D	6A		S1(16810)	+	+
25660	19727-16-3	*1,1,1-TRIMETHYLOLPROPANE DIMETHACRYLATE	D	7	Needed: hydrolysis data.	PS	+	+
25690	-	*1,1,1-TRIMETHYLOLPROPANE MALEATES	D	8		PS	+	+
25720	07024-08-0	*1,1,1-TRIMETHYLOLPROPANE MONOACRYLATE	D	7	Needed: hydrolysis data.	PS	+	+
25735	00682-11-1	*1,1,1-TRIMETHYLOLPROPANE MONOALLYL ETHER		6A		Cov.by 16810		+
25750	07024-09-1	*1,1,1-TRIMETHYLOLPROPANE MONOMETHACRYLATE	D	7	Needed: hydrolysis data.	PS	+	+
25780	25723-16-4	*1,1,1-TRIMETHYLOLPROPANE, PROPOXYLATED	D	8		PUR	+	+
25810	15625-89-5	*1,1,1-TRIMETHYLOLPROPANE TRIACRYLATE	+	7	Needed: hydrolysis data.		+	+
25825	00682-08-6	*1,1,1-TRIMETHYLOLPROPANE TRIALLYL ETHER		6A		S2(12648)(16810)(16885)		+
25840	03290-92-4	*1,1,1-TRIMETHYLOLPROPANE TRIMETHACRYLATE	+	7	Needed: hydrolysis data.		+	+
25855	00144-19-4	*2,2,4-TRIMETHYL-1,3-PENTANEDIOL		8		Cov.by 12430		+
25870	00107-39-1	*2,4,4-TRIMETHYL-1-PENTENE	D	8			+	+
25900	00110-88-3	*TRIOXANE	+	8		POM	+	+
25905	00078-24-0	*TRIPENTAERYTHRITOL		8		Cov.by 16810		+
25910	24800-44-0	TRIPROPYLENEGLYCOL	+	2	Group TDI: 1.5 mg/kg b.w. (with polypropyleneglycol and dipropyleneglycol). See references for dipropylenglycol.	S1(16810)	+	+
25915	00090-72-2	*2,4,6-TRIS((DIMETHYLAMINO)METHYL)PHENOL		8				+
25917	02451-62-9	TRIS (2,3-EPOXYPROPYL)ISOCYANURATE				Same 25920		+
25920	02451-62-9	*1,3,5-TRIS(2,3-EPOXYPROPYL)-1,3,5-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE		6A		Same 25917		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
25922	00102-71-6	*TRIS(2-HYDROXYETHYL)AMINE	+			Same 25480	+	+
25923		TRIS (2-HYDROXYETHYL)ISOCYANURATE				Same 25925		+
25925	00839-90-7	*1,3,5-TRIS(2-HYDROXYETHYL)-1,3,5-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE		8		Same 25923		+
25930	01067-53-4	*TRIS(2-METHOXYETHOXY)VINYLSILANE	D	6A		PE,PVAC,PVDF	+	+
25933	96195-81-2	*TRIS(1-METHOXYISOPROPOXY)VINYLSILANE		6A		S2(26245)		+
25950	01852-04-6	*UNDECANEDIOIC ACID		8		S2(10280)(10297)(10576)		+
25960	00057-13-6	UREA	+	0			+	+
25965	-	*UTAH COAL RESIN		9				+
25970	-	*VEGETABLE OIL ACIDS		9				+
25975	-	*VEGETABLE OIL ACIDS, DIMERS		8/D		Dimers of single acids listed		+
25980		VERSATIC ACID (=ACIDS, ALIPHATIC, MONOCARBOXYLIC, SATURATED, BRANCHED(C5-C15)		D		Cov.by 10480	+	
25990	00689-97-4	*VINYLACETYLENE	D	6A		PO	+	+
25995		VINYL ALCOHOL	+			Polyvinylalcohol authorized cf Annex 2,par.3 direc	+	
26000	03048-64-4	*5-VINYLBICYCLO[2.2.1]HEPT-2-ENE		6A				+
26010	00593-60-2	VINYL BROMIDE		4A	IARC has classified vinyl bromide as "carcinogenic for animals". (IARC Monograph, vol. 39, 1987).			+
26020	01484-13-5	*N-VINYLCARBAZOLE	D	6A			+	
26050	00075-01-4	VINYL CHLORIDE	+	4A	(SCF, 1st Series, 1975).	OJ L 44 OF 15.2.1978	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
26065		*VINYL ESTERS OF TRIALKYL(C5-C20)ACETIC ACID						+
26080	-	*VINYL ETHERS OF ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C2-C18)	D	9		PVC	+	+
26095	00075-02-5	*VINYL FLUORIDE		6A				+
26110	00075-35-4	VINYLIDENE CHLORIDE	+	4B	(SCF 13th Series, 1982).		+	+
26140	00075-38-7	VINYLIDENE FLUORIDE	+	3	R: 5 mg/kg of food. Many inhalation studies, 1-year oral rat study, carcinogenicity studies by inhalation in mice and rats negative, mutagenicity studies negative, reproduction study negative. (RIVM report 1992-10-29).	PVDF	+	+
26170	03195-78-6	*N-VINYL-N-METHYLACETAMIDE	+	6A		PS	+	+
26200	02867-48-3	*N-VINYL-N-METHYLFORMAMIDE	D	6A			+	
26215	00100-69-6	*2-VINYLPYRIDINE		6A			+	
26217	00100-43-6	*4-VINYLPYRIDINE		6A			+	
26230	00088-12-0	*VINYLPYRROLIDONE	+	6A			+	+
26245	-	*VINYLSILANE		6A				+
26260	01184-84-5	*VINYLSULPHONIC ACID	D	6A			+	+
26290	25013-15-4	*VINYLTOLUENE	+				+	+
26292	00622-97-9	*p-VINYLTOLUENE	+			Same 22240	+	
26305	00078-08-0	*VINYLTRIETHOXYSILANE		6A				+
26320	02768-02-7	*VINYLTRIMETHOXYSILANE	+	6A		PE,PVDF	+	+
26330	-	VINYL VERSATATE				Same 25380 and 25561		+
26340	08024-09-7	WALNUT OIL		3	Food fat.	Covered by 16713		+
26341	08024-09-7	WALNUT OIL (Food grade quality)		D		Covered by		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	SCF OPINION	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
						16713		
26345	-	*WALNUT OIL FATTY ACIDS, AND THEIR DIMERS		D				+
26345/0		WALNUT OIL FATTY ACIDS (Food grade quality)		D				+
26345/1		WALNUT OIL FATTY ACIDS		3/D	Constituents of food fats.			+
26345/2		*WALNUT OIL FATTY ACIDS (Food grade quality), DIMERS		D				+
26345/3		*WALNUT OIL FATTY ACIDS, DIMERS		8/D		D as dimers of single acid listed		+
26346	-	WALNUT OIL FATTY ACIDS, AND THEIR DIMERS (Food grade quality)		D		Same 26345		+
26370	01330-20-7	XYLENE		3	R: 0.02 mg/kg bw based on allowing 1/10 of TDI for food packaging uses. 2-year oral rat study, mutagenicity test negative. (WHO draft, Geneva, September 1992)(CS/PM/1712).	Odor threshold = 25 ppb		+
26375	00105-67-9	*m-XYLENOL	+			Same 16300	+	+
26377	00526-75-0	*o-XYLENOL	+			Same 16270	+	+
26379	00095-87-4	*p-XYLENOL	+			Same 16330	+	+
26400	72960-48-6	*o-XYLYLBIGUANIDE		8				+

ANNEX 1 BIS

PROVISIONAL LIST OF BIOPOLYMERS FOR WHICH AN AUTHORIZATION IS REQUESTED AND NOT YET DECIDED

1. POLYHYDROXYBUTYRATE (CAS N. 29435-48-1)

Polymers containing the repeating unit 3-hydroxybutyrate and manufactured by fermentation with the bacterium "Alcaligenes eutrophus" from starting substances listed in Section A of Directive 90/128/EEC. The average molecular weight, when determined by gel permeation chromatography, shall not be less than 200,000.

2. HYDROXYBUTYRATE/HYDROXYVALERATE COPOLYMERS (CAS.N. .....).

Polymers containing the repeating units 3-hydroxybutyrate and 3-hydroxyvalerate manufactured by fermentation with the bacterium "Alcaligenes eutrophus" from starting substances listed in Section A of Directive 90/128/EEC. The mole percentage of 3-hydroxyvalerate shall be in the range 0 to25. The average molecular weight, when determined by gelpermeation chromatography, shall not be less than 200,000.Ä

PROVISIONAL LIST OF ADDITIVES

The list set out in the Table shall contain all the other substances not included in the definition of monomers and other starting substances and not included in Annex 3.

Therefore this list shall include:

a) substances which are incorporated into plastics to achieve a technical effect in the finished product; they are intended to be present in the finished articles ("additive");

b) substances used to provide a suitable medium in which polymerization occurs or substances which directly influence the formation of polymers (conventionally these substances will called "aids to polymerisation")

Therefore this list will include for example the following categories of substances:

"Category I"

- antifoaming agents
- antiskinning agents
- antioxidants
- antistatic agents
- driers
- emulsifiers
- fillers
- flame retardants
- foaming agents
- hardening agents
- impact modifiers
- lubricants
- miscellaneous additives
- optical brighteners
- plasticizers
- preservatives
- protective colloids
- reinforcements
- release agents
- solvents
- stabilizers
- thickeners
- UV absorbers

"Category II"

POLYMER PRODUCTION AIDS

- anti-foam reagents/degassing agents
- blowing agents
- buffering agents
- build-up suppressants
- dispersing aids
- emulsifiers
- flow control agents
- nucleating agents
- pH regulators
- solvents
- surfactants
- suspension agents
- stabilizers
- thickening agents
- water treatment reagents

NOTA BENE: The following substances - "Substances which directly influence the formation of polymers" - are excluded from the "additive list". They include, for example:

- accelerators
- catalysts
- catalyst deactivators
- catalyst supports
- catalyst modifiers
- chain scission reagents
- chain transfer or extending agents
- chain stop reagents
- cross-linking agents
- initiators and promoters
- molecular weight regulators
- polymerization inhibitors
- redox agents

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
30000	00064-19-7	ACETIC ACID		1	Group ADI: not specified. (SCF, 25th Series, 1991).	Same 10090	+	+
30015	00112-07-2	*ACETIC ACID, 2-BUTOXYETHYL ESTER		6B-P	R : 0.05 mg/kg. Needed : hydrolysis data.			+
30025	57515-72-7	*ACETIC ACID, BUTOXYPROPYL ESTER		9	R : 0.05 mg/kg.			+
30029	?	*ACETIC ACID, 2-BUTOXYPROPYL ESTER		6B-P	R: 0.05 mg/kg. Needed : hydrolysis data.			+
30045	00123-86-4	ACETIC ACID, n-BUTYL ESTER		1	t-ADI: 6 mg/kg bw. (SCF, 25th Series, 1991).	PS	+	+
30080	04180-12-5	ACETIC ACID, COPPER SALT		1	PMTDI: 0.5 mg/kg b.w. for copper. (JECFA 26 M., 1982).	PA,PVA	+	+
30100	00111-55-7	*ACETIC ACID, DIESTER WITH ETHYLENEGLYCOL		7	Needed: hydrolysis data.			+
30120	00111-15-9	*ACETIC ACID, 2-ETHOXYETHYL ESTER		6B-P	R : 0.05 mg/kg. Needed : hydrolysis data.		+	+
30130		*ACETIC ACID, ETHOXYPROPYL ESTER		9	R : 0.05 mg/kg.		+	+
30140	00141-78-6	ACETIC ACID, ETHYL ESTER		1	ADI: not specified. (SCF, 11th Series, 1981).	PS	+	+
30158		*ACETIC ACID, ISOBUTOXYPROPYL ESTER		9	R : 0.05 mg/kg.			+
30160		See 30180		D			+	
30165	00108-21-4	*ACETIC ACID, ISOPROPYL ESTER		7	Needed: hydrolysis data.		+	+
30180	00638-38-0	ACETIC ACID, MANGANESE(II) SALT		1-2	L2 for Manganese. Group TDI: 0.01 mg/kg b.w. (as Mn). Recommended daily allowance 2-3 mg/day. Average daily intake 10 mg. (Manganese. Environmental Health Criteria 17, WHO, Geneva 1981). L1 for acetic acid. Group ADI: Not specified.	MF,PA	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					(SCF, 25th Series, 1991).			
30190		See 30280		D			+	+
30200	00110-49-6	*ACETIC ACID, 2-METHOXYETHYL ESTER		6B-P	R: 0.05 mg/kg. Needed : hydrolysis data.			+
30210	00108-65-6	*ACETIC ACID, 2-METHOXYISOPROPYL ESTER		6B-P	R : 0.05 mg/kg. Needed : hydrolysis data.			+
30225	00628-63-7	*ACETIC ACID, PENTYL ESTER		7	Needed: hydrolysis data.		+	+
30240		See 30330		D			+	
30245	00109-60-4	*ACETIC ACID, PROPYL ESTER		7	Needed: hydrolysis data.		+	+
30280	00108-24-7	ACETIC ANHYDRIDE		2	Group TDI: included in the ADI not specified for acetic acid. (SCF, 25th Series, 1991).	Same 10150	+	+
30295	00067-64-1	ACETONE		3	Residue in food less than 5 mg/kg. (SCF, 11th Series, 1981).		+	+
30310	25619-09-4	*ACETONE-FORMALDEHYDE COPOLYMER		9				+
30320		See 30370		D			+	
30330	-	*ACETONE-NONYLPHENOL-THIODIPROPIONIC ACID DIDODECYL ESTER, COPOLYMER		9			+	
30350	00141-97-9	*ACETYLACETIC ACID, ETHYL ESTER		7	Needed: hydrolysis data.			+
30370	-	ACETYLACETIC ACID, SALTS		0			+	
30380	00623-58-5	ACETYLACETIC ACID, SODIUM SALT		0		Cov.by 30730		+
30385	00123-54-6	*ACETYLACETONE		8			+	
30400	-	ACETYLATED GLYCERIDES		1	ADI: not specified. (SCF, 7th report, 1978).		+	
30480	00140-04-5	*ACETYLRICINOLEIC ACID, BUTYL ESTER		7	Needed: hydrolysis data.		+	+
30490	85556-24-1	*ACIDS,ALIPHATIC(C14-C18)ALKYL(C14-C18)ESTERS		8	No data available to Rivm.	S1(30520)/Mixt.		+
30520		*ACIDS, ALIPHATIC, CARBOXYLIC (C1-C20), ESTERS WITH ALCOHOLS (C1-C18)		9				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
30540		*ACIDS, ALIPHATIC, CARBOXYLIC, SATURATED (C12-C20), SALTS		9				+
30560		See 30620		D			+	
30580		*ACIDS, ALIPHATIC, DICARBOXYLIC (C4-C10), DIESTERS WITH ALCOHOLS, SATURATED (C1-C18)		9				+
30600		*ACIDS, ALIPHATIC, DICARBOXYLIC, UNSATURATED (C4-C8)		9				+
30620	-	*ACIDS, ALIPH. MONOCARB. (C6-C24)		9		Mixt.	+	
30640	-	*ACIDS, ALIPH., MONOCARB. (C8-C22), sec-BUTYL AND OLEYL ESTERS		9		PA,PAM,PS,PVC	+	
30720	-	*ACIDS, ALIPH., MONOCBARB. (C8-C22), COMPOUNDS WITH DIETHANOLAMINE		9			+	
30725	68603-38-3	*ACIDS, ALIPH., MONOCARB. (C16-C18), COMPOUNDS WITH DIETHANOLAMINE		9		S1(30720)	+	
30800	-	*ACIDS, ALIPH., MONOCARB. (MORE THAN C5), ESTERS WITH MANNITOL		9			+	
30880	-	*ACIDS, ALIPH., MONOCARB. (MORE THAN C5), ESTERS WITH PENTAERYTHRITOL		9			+	
30960	-	ACIDS, ALIPH., MONOCARB. (C6-C22) ESTERS WITH POLYGLYCEROL		1	Group ADI: 25 mg/kg b.w. (SCF, 7th Series, 1978).		+	
31040	-	*ACIDS, ALIPH. MONOCARB., HYDROXYLATED (C12-C20) AND THEIR SULPHONATED AND ACETYLATED DERIVATIVES		9			+	+
31120	-	*ACIDS, ALIPH., MONOCARB. (C6-C24), Li,Mn AND Sn SALTS		9			+	
31200	-	*ACIDS, ALIPH., MONOCARB., SAT.(MORE THAN C7), ESTERS WITH ALCOHOLS, ALIPH. MONOH.		9			+	
31215		*ACIDS, ALIPHATIC, MONOCARBOXYLIC, SATURATED, BRANCHED (C9-C11), SALTS		9				+
31220		*ACIDS, ALIPHATIC, MONOCARBOXYLIC, SATURATED, WITH AN EVEN NUMBER OF CARBON		9				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		ATOMS, ESTERS WITH PENTAERYTHRITOL						
31230		*ACIDS, ALIPHATIC, MONOCARBOXYLIC, SATURATED, BRANCHED (C9-C11), Ce, Co, Li, Mn AND Zr SALTS		9				+
31260		*ACIDS, ALIPHATIC, MONOCARBOXYLIC, SATURATED, LINEAR (C10-C24), SALTS		9				+
31280	-	*ACIDS, ALIPH., MONOCARB. (C8-C22), COMPOUNDS WITH TRIETHANOLAMINE		9		PA,PS,PVC	+	
31300		*ACIDS, ALIPHATIC, SATURATED (C6-C24), ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C2-C24) AND OLEYL ALCOHOL		9				+
31306	92797-30-3	*ACIDS, FATTY (C14-C22), ALKYL (C16-C24) ESTERS		9		S1(31200)	+	
31307	95912-87-1	*ACIDS, FATTY (C16-C18), ALKYL (C12-C18) ESTERS		9		S1(31200)	+	
31320		*ACIDS, FATTY, FROM ANIMAL OR VEGETABLE FATS AND OILS		8				+
31328	-	ACIDS, FATTY FROM ANIMAL OR VEGETABLE FOOD FATS AND OILS		3	Constituent of food fats.		+	+
31330		*ACIDS, FATTY, FROM ANIMAL OR VEGETABLE FATS AND OILS, METHYL ESTERS		9				+
31345		*ACIDS, FATTY, FROM ANIMAL OR VEGETABLE OILS, SORBITAN AND SORBITOL ESTERS		9				+
31350	125109-79-7	*ACIDS, FATTY (C14-C22), ESTERS WITH PENTAERYTHRITOL		9		S1(30880)	+	
31352	85116-93-4	*ACIDS, FATTY (C16-C18), ESTERS WITH PENTAERYTHRITOL		9		S1(30880)	+	
31360		See 31470		D			+	
31365		*ACIDS, FATTY, ESTERS WITH POLYGLYCEROL		9				+
31380		*ACIDS, FATTY, SALTS		9				+
31390		*ACIDS, LINEAR, WITH AN EVEN NUMBER OF CARBON ATOMS (C8-C22), AND THE DIMERS		9		Same 10600		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		AND TRIMERS OF THE UNSATURATED ACIDS						
31400		*ACIDS, LINEAR, WITH AN EVEN NUMBER OF CARBON ATOMS (C8-C22), ESTERS WITH MONO- AND POLYHYDRIC ALCOHOLS		9				+
31420		*ACIDS, LINEAR, WITH AN EVEN NUMBER OF CARBON ATOMS (C8-C22), REACTION PRODUCTS WITH 2-AMINO-2-ETHYL-1,3-PROPANEDIOL, DI- AND TRIETHANOLAMINE, AND TRIETHYLAMINE		9				+
31440		See 31490		D			+	
31455	-	*ACIDS, FATTY, DIMERIZED		9		PS	+	+
31470	-	*ACIDS, SAT., LINEAR (C5-C10), ESTERS WITH DIPENTAERYTHRITOL		9		SCF:Specify n. acid residues	+	
31490	-	*ACIDS, SUBSTITUTED (C9-C20), AND THEIR TRIETHA NOLAMINE SALTS		9			+	
31500	?	*ACRYLIC ACID, ACRYLIC ACID, 2-ETHYLHEXYL ESTER, COPOLYMER		9		S1(31595)	+	
31505		*ACRYLIC ACID-ACRYLIC ESTERS OF ALCOHOLS, MONOHYDRIC, PRIMARY, LINEAR (C1-C18), COPOLYMERS		9		PS	+	
31520	61167-58-6	ACRYLIC ACID, 2-tert-BUTYL-6-(3-tert-BUTYL-2-HYDROXY-5 -METHYLBENZYL)-4-METHYLPHENYL ESTER		2	3-month oral rat study. Mutagenicity studies. Migration data. No bioaccumulation in fish. (RIVM 90/678608/007; CS/PM/926).	PS,SB/No for fat/0.5%	+	+
31530	123968-25-2	*ACRYLIC ACID, 2,4-DI-tert.PENTYL-6-[1(3,5-DI-tert.PENT YL-2-HYDROXYPHENYL)ETHYL]PHENYL ESTER		W7	Available: 3 negative mutagenicity studies, 90-day oral rat study, inadequate migration data (CS/PM/1726,2028).	New subst.	+	
31560	25085-34-1	*ACRYLIC ACID-STYRENE, COPOLYMER		9			+	
31580	-	*ACRYLIC ACID-VINYLPYRROLIDONE, COPOLYMER		9		PS	+	
31595		*ACRYLIC POLYMERS		9		ABS,MF,PC,PS,PV C,UP	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
31600		See 31700		D			+	
31605	09003-18-3	*ACRYLONITRILE-BUTADIENE, COPOLYMER		9			+	+
31620	09010-94-0	*ACRYLONITRILE-BUTADIENE-METHYL METHACRYLATE- STYRENE, COPOLYMER		9		PVC	+	
31640		*ACRYLONITRILE-BUTADIENE-STYRENE, COPOLYMER		9		PC,PVC,PVCC	+	+
31660		*ACRYLONITRILE-STYRENE, COPOLYMER		9		PIB	+	
31680		See 31730		D			+	+
31700	68411-97-2	*N-ACYLSARCOSINES WHERE THE ACYL GROUP IS DERIVED FROM THE FATTY ACIDS OF COCONUT OIL		8			+	
31730	00124-04-9	ADIPIC ACID		1	ADI: 5 mg/kg b.w. (SCF, 25th Series, 1991).	Same 12130	+	+
31760	-	*ADIPIC ACID, ALKYL, PRIMARY (C4-C13) ESTERS		9	Group R= 0.025 mg/kg b.w.	PVC	+	
31840	25805-74-7 25718-70-1	*ADIPIC ACID-1,3-BENZENEDIMETHANAMINE, COPOLYMER (=Adipic acid, m-xylylenediamine, copolymers)		7	Needed: 3 mutagenicity tests.	PET	+	
31920	00103-23-1	ADIPIC ACID, BIS(2-ETHYLHEXYL) ESTER		2	TDI: 0.3 mg/kg b.w. Several oral short-term studies in mice, rats and dogs, oral carcinogenicity studies in mice and rats, oral teratogenicity and fertility studies in rats and several mutagenicity studies. (RIVM report 1990-05-02, ICI reports CT 4/P/2119 July 1988 and CTL/P/2119 August 1988).		+	+
32000	00105-96-4	*ADIPIC ACID, BIS(6-METHYLHEPTYL) ESTER		6B	Group R: 0.025 mg/kg b.w. Needed : toxicological data depending on migration level (see SCF guidelines) and if migration exceeds 0.050 mg/kg peroxisome proliferation studies too.	PVC	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
32080	00110-29-2	*ADIPIC ACID, n-DECYL n-OCTYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and if migration exceeds 0.050 mg/kg peroxisome proliferation studies too.	PVC	+	
32160	68515-75-3	*ADIPIC ACID, DIALKYL ESTERS (C7-C9)		6B	Group R: 0.025 mg/kg b.w. Available: 90-day oral rat study. Needed: in first instance specifications. Toxicological data depending on migration level (see SCF guidelines) and, if migration data exceeds 0.050 mg/kg, peroxisome proliferation study too on the specified substances.	PVC	+	
32240	00105-99-7	*ADIPIC ACID, DIBUTYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and if migration exceeds 0.050 mg/kg peroxisome proliferation study too.	CA,CP,PVC	+	+
32320	00105-97-5	*ADIPIC ACID, DI-n-DECYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation study too.	PVC/Same 12190	+	
32400	72088-98-3	*ADIPIC ACID-DIETHYLENETRIAMINE-EPICHLOROHYDRIN-ETHYLENEIMINE, COPOLYMER		9			+	
32480	00141-04-8	*ADIPIC ACID, DIISOBUTYL ESTER		6B	Group R: 0.025 mg/kg b.w. Available: 2-year oral rat study, inadequate. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation study	CA,PVC,PVDC	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					too.			
32560	27178-16-1	*ADIPIC ACID, DIISODECYL ESTER		68	Group R: 0.025 mg/kg b.w. Needed: in first instance specifications and then on the specified substances toxicological data depending on migration level (see SCF guidelines) and if migartion exceeds 0.050 mg/kg peroxisome proliferation study too.	PVC/Same 12220	+	
32640	33703-08-1	*ADIPIC ACID, DIISONONYL ESTER		68	Group R: 0.025 mg/kg b.w. Available: 90-day oral rat and dog studies and two mutagenicity studies. Needed: specifications, test for chromosome aberrations in mammalian cells in vitro and then the remaining toxicological tests depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation study too.	PVC	+	
32720	01330-86-5	*ADIPIC ACID, DIISOOCTYL ESTER		68	Group R: 0.025 mg/kg b.w. Needed: in first instance specifications and then on the specified substances provide toxicological data depending on migration level (see SCF guidelines) and if migration exceeds 0.050 mg/kg peroxisome proliferation study too.	PVC	+	
32760	00627-93-0	*ADIPIC ACID, DIMETHYL ESTER		68	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation study too.	Same 12235		+
32800	00151-32-6	*ADIPIC ACID, DI-n-NONYL ESTER		68	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and if	PVC	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					migration exceeds 0.050 mg/kg peroxisome proliferation study too.			
32840	01119-74-0	*ADIPIC ACID, DI-n-OCTADECYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.	PVC	+	+
32880	00123-79-5	*ADIPIC ACID, DI-n-OCTYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation study too.	Same 12250	+	
32920		*ADIPIC ACID, ESTERS WITH DIOLS FROM C2-C6		9	Group R: 0.025 mg/kg b.w.		+	
32960	-	*ADIPIC ACID, MIXED ESTERS WITH 1,2-PROPYLENEGLYCOL AND ALCOHOLS, MONOH.,SAT., LINEAR (C8-C10)		W9	Provide informations on identity.	PVC	+	
33040	94109-12-3	*ADIPIC ACID, MONO-n-OCTADECYL ESTER, CALCIUM SALT		7	Needed: hydrolysis and migration data.	PVC	+	+
33070	09002-18-0	AGAR-AGAR		1	ADI: NS. (SCF, 21st Series, 1989).			+
33100	68551-07-5	*ALCOHOLS, C3-C22		9				+
33110		*ALCOHOLS, ALIPHATIC, C1-C18		9				+
33120	-	ALCOHOLS, ALIPH, MONOH., SAT., LINEAR, PRIMARY (C4-C24)		3	90-day oral studies, metabolic and/or mutagenicity studies with some substances out of the group. (SCF, 17th Series, 1986).		+	
33140		*ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (> C10)		9				+
33170		*ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C16-C18), ETHERS WITH ALKYLMONOETHYLENEGLYCOL		9				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
33200	-	*ALCOHOLS, ALIPH, MONOH., SAT., LINEAR OR SECONDARY(C4-C22)		9		Name changed. Tert.del.	+	
33280	-	*ALCOHOLS, ALIPH., MONOH., UNSAT., LINEAR, (C16-C22) (except oleyl alcohol)		8	Needed: toxicological data on two representatives of the group according SCF guidelines. N.B. The evaluation is not applicable to oleyl alcohol.		+	
33320	-	*ALCOHOLS, CYCLOALIPH.,MONOH.(UP TO C18), AND SUBSTITUTED		9		Cov.by 12460	+	
33330		*ALCOHOLS, FATTY, C12 AND ABOVE		9				+
33350	09005-32-7	ALGINIC ACID		1	ADI: not specified. (JECFA, 1992).			+
33360	-	ALGINIC ACID, SALTS		1	ADI: 50 mg/kg b.w. (JECFA 17 M., 1973).		+	+
33440	-	*ALKANES (B.P.UP TO 100 DEGREES CELSIUS)		9		PE,PS/Mixt/	+	
33460	-	*ALKANES, n, AND iso,(C4-C14)		9		Mixt/	+	
33520	-	*n-ALKENES (C2-C14)		9			+	
33550		*ALKENYLNORBORNENE-ETHYLENE, COPOLYMER		9		PE	+	
33565		*ALKENYLNORBORNENE-ETHYLENE-PROPYLENE, COPOLYMER		9		PE	+	
33600	-	*C-ALKENYL(C12-C18) SUCCINALKYL(C12-C18) IMIDE		9		PA	+	
33640		*N-ALKYL(C12-C20)ALKYLENE(C2-C6)DIAMINETRIACETIC ACID, SALTS		9				+
33680	-	*ALKYL(C8-C20)ARYLSULPHONIC ACID		9			+	+
33760	-	*ALKYL(C8-C18)ARYLSULPHURIC ACID		9			+	
33800	-	*ALKYL(C10-C13)BENZENESULPHONIC ACID		P		S1(33680)	+	+
33840	-	*ALKYL(C11-C14)BIS(HYDROXYETHYL)SULPHONIUM BISULPHATE		9		PS,PVC	+	+
33920	-	*ALKYL(C11-C14)BIS(HYDROXYETHYL)SULPHONIUM GLYCOLSULPHATE		9		PS,PVC	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
34000	-	*n-ALKYL(C11-C15)BIS(HYDROXYETHYL)SULPHONIUM SULPHATE		9		PS,PVC	+	+
34015		*ALKYL CAPROLACTONE PHOSPHATE		9			+	
34030		*N-N-ALKYL(C14-C18, EVEN)-N'-(CARBOXYMETHYL)-N,N'-TRIMETHYLENEDIGLYCINE		9				+
34060		*ALKYL(C8-C18)-omega-HYDROXYALKYL(C2-C6) AMIDE		9				+
34080	-	*n-ALKYL(C11-C14)HYDROXYETHYL SULPHIDE		9		PS,PVC	+	+
34095		*ALKYL(C8-C18)IMIDAZOLINIUM ACETATE		9				+
34100		*ALKYL(C8-C18)IMIDAZOLINIUM BROMIDE		9				+
34105		*ALKYL(C8-C18)IMIDAZOLINIUM CHLORIDE		9				+
34120		*ALKYL KETENE DIMERS		9				+
34135		*ALKYL(C8-C18)MORPHOLINIUM ACETATE		9				+
34140		*ALKYL(C8-C18)MORPHOLINIUM BROMIDE		9				+
34145		*ALKYL(C8-C18)MORPHOLINIUM CHLORIDE		9				+
34160		See 34230		D			+	+
34165		*ALKYL(C8-C18)PHENOXYBENEZENEDISULPHONIC ACID, SALTS		9				+
34180		*ALKYL(C14-C29)POLY(ETHYLENEGLYCOL)GLYCOLIC ACID		9		PE	+	
34195	-	*ALKYL(C8-C18)POLY(ETHYLENE-AND/OR PROPYLENE-AND/OR BUTYLENEGLYCOL)GLYCOLIC ACID		9		PO,PS	+	
34210		*ALKYL(C9-C18)PYRIDINIUM ACETATE		9				+
34215		*ALKYL(C8-C18)PYRIDINIUM BROMIDE		9				+
34220		*ALKYL(C8-C18)PYRIDINIUM CHLORIDE		9				+
34230		ALKYL(C8-C22)SULPHONIC ACIDS		2	TDI: 0.1 mg/kg b.w. 1- and 2-year oral rat studies		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					(Bayer report 1960).			
34240	-	ALKYL(C10-C20)SULPHONIC ACID, ESTERS WITH PHENOLS		2	t-TDI: 0.1 mg/kg b.w. Available: 90-day oral rat study and Ames test. Needed: additional mutagenicity studies according to guidelines. (Rivm doc. 1990-05-08).		+	+
34241	-	*ALKYL(C10-C20)SULPHONIC ACID ESTERS WITH CRESOLS OR CRESOLS AND PHENOLS		9			+	+
34270		*N-ALKYL(C8-C18)SULPHOSUCCINAMIDE, SALTS		9				+
34275	-	*ALKYL(C12-C14)SULPHURIC ACID, SALTS		9		S1(34280)	+	+
34280	-	*ALKYL(C8-C22)SULPHURIC ACIDS		8		Ex 34320	+	+
34290	-	*ALKYL(C16-C18)SULPHURIC ACID, SALTS		8		S1(34280)	+	
34400		*ALKYL(C12-C16)TRIMETHYLAMMONIUM BROMIDE		8			+	
34415		*ALKYL(C1-C12) VINYL ETHERS-ALLYL ALCOHOL, COPOLYMERS		9		PVC	+	
34430		*ALKYL(C1-C12) VINYL ETHERS - MALEIC ACID OR ALLYL ALCOHOL, COPOLYMER		9			+	
34445		*ALKYL(C1-C12) VINYL ETHERS-MALEIC ACID, COPOLYMERS		9		PVC	+	
34452		*ALLYL ALCOHOL-VINYL ACETATE, COPOLYMER		9			+	
34460		*ALLYL ETHERS OF MONO-, DI-, OR TRIMETHYLOLPHENOL-OCTANOL, COPOLYMERS		9				+
34470	-	*ALUMINIUM CALCIUM HYDROPHOSPHITE		P		Similar to 41010	+	
34480	-	ALUMINIUM FIBERS, FLAKES AND POWDERS		2	TDI : 1 mg/kg b.w. (as Al) based on PTWI= 7 mg/kg (as Al) (SCF, 25th Series, 1991).		+	+
34560	21645-51-2	ALUMINIUM HYDROXIDE		2	TDI: 1 mg/kg bw (as Al) based on PTWI: 7 mg/kg b.w. (as Al). (SCF, 25th Series, 1991).		+	+
34640	13170-05-3	*ALUMINIUM HYDROXIDE		W	L2 for Al.	PP	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		BIS(4-tert-BUTYLBENZOATE)			TDI: 1 mg/kg bw (as Al) based on PTWI: 7 mg/kg bw (as Al). (SCF, 25th Series, 1991). W8 for bis(4-tert.butylbenzoate).			
34660	01327-41-9	ALUMINIUM HYDROXYCHLORIDE		2	TDI: 1 mg/kg (as Al) based on PTWI: 7 mg/kg b.w. (as Al). (SCF, 25th Series, 1991).			+
34720	01344-28-1	ALUMINIUM OXIDE		2	TDI: 1 mg/kg bw (as (Al) based on PTWI: 7 mg/kg b.w. (as Al). (SCF, 25th Series, 1991).		+	+
34750	-	*ALUMINIUM SILICATE, SILANATED		9	L2 for Al. TDI: 1 mg/kg bw based on PTWI: 7 mg/kg bw (as Al). (SCF, 25th Series 1991). L9 for "silanated".	D(Annex 2, par.2 f)	+	
34780		*ALUMINIUM SODIUM SULPHOSILICATE		9	L2 for Al. TDI: 1 mg/kg bw (as Al) based on PTWI: 7 mg/kg bw (as Al). (scf, 25th Series, 1991). L9 for ...sulphosilicate.			+
34800	-	*AMIDES OF ACIDS, ALIPH., MONOCARB. (C6-C22)		9			+	+
34810		*AMIDES (UNSUBSTITUTED) OF FATTY ACIDS FROM VEGETABLE OR ANIMAL OILS		9				+
34875	-	*omega-AMINOACIDS (C6-C12)		9			+	
34880	-	*AMINOACIDS, SALTS		9			+	
34910		*Omega-AMINOCARBOXYLIC ACIDS, ALIPHATIC, LINEAR (C6-C12)		9		Same 12760		+
34925	61789-40-0	*3-AMINO-N-(CARBOXYMETHYL)-N,N,-DIMETHYL -1-PROPANAMINIUM, N-COCO ACYL DERIVATIVES HYDROXIDES, INNER SALT		W8		New subst.	+	
34940	14205-40-4	*3-AMINOCROTONIC ACID, DIESTER WITH ETHYLENEGLYCOL		8	Available: summary on 90-day study, migration into oil (< 0.25 ppm).	S1(35040)	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
34960	-	*3-AMINOCROTONIC ACID, ESTERS WITH BUTYLENEGLYCOL		7	Available: 90-day oral rat study, inadequate migration data (CS/PM/ 2034). Needed: 3 mutagenicity studies, physico-chemical and migration data, analytical method.	PVC	+	+
35000		*3-AMINOCROTONIC ACID, ESTERS WITH 1,2-DIPROPYLENEGLYCOL		9				+
35040	-	*3-AMINOCROTONIC ACID, ESTERS WITH MONO- OR DIHYDRIC ALCOHOLS		9		Mixt/	+	+
35120	13560-49-1	3-AMINOCROTONIC ACID, DIESTER WITH THIOBIS(2-HYDROXYETHYL)ETHER		2	t-TDI: 5 mg/kg b.w. pending results of mutagenicity studies. Available: 28-day and 90-day oral rat studies, metabolism, very low migration.		+	+
35200	34730-59-1	*N-(2-AMINOETHYL)-2-AMINOETHANESULPHONIC ACID, SODIUM SALT		8		PUR	+	
35280	-	*N-(2-AMINOETHYL)-3-AMINOPROPANESULPHONI C ACID, SALTS		8		PUR	+	
35288	93820-52-1	*N-(2-AMINOETHYL)-N-(2-HYDROXYETHYL)-bet a-ALANINE,N-COCO ACYLDERIVATIVES, MONOSODIUM SALTS(+)		W8		New subst.	+	
35294	90268-48-7	*4-AMINO-4-OXO-2-SULFOBUTYRIC ACID, N-TALLOW ALKYL DERIVATIVES, DISODIUM SALTS		W8		New subst.	+	
35300	00919-30-2	*3-AMINOPROPYLTRIETHOXYSILANE		8				+
35320	07664-41-7	AMMONIA		1	ADI: not specified. (SCF, 25th series, 1991).		+	
35340	01066-33-7	*AMMONIUM BICARBONATE		D		Cov.by 42160	+	
35440	12124-97-9	AMMONIUM BROMIDE		1	Group ADI: 1 mg/kg b.w. (as Br) as pesticide residue. (JMPR "Pesticide residues in food", 1988, paper 93/2).		+	
35520	12125-02-9	AMMONIUM CHLORIDE		1/D	ADI: not specified. (SCF, Rx).		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL.	MAT C
1	2	3	4	5	6	7	8	9
35560		*AMMONIUM DITHIONITE		8				+
35600	01336-21-6	AMMONIUM HYDROXIDE		1	ADI: not specified. (SCF, Rx).		+	+
35630	10196-04-0	AMMONIUM SULPHITE		2	Group TDI = 0.7 mg/kg bw. Based on ADI for SO2.			+
35645		*AMMONIUM ZINCATE		9	L9 for the compound. L1 for the Zinc ADI = 1 mg/kg b.w. (as Zn). (WHO, Food Additives Series 17, 1982).			+
35680	01314-60-9	*ANTIMONY PENTOXIDE		6B	R : 0.01 mg/kg (as Sb). Very low EEC limit for drinking water: 0.01 mg/1. Needed: actual use.	PA,PO,PVC	+	
35760	01309-64-4	*ANTIMONY TRIOXIDE		6B	R : 0.01 mg/kg as Sb. Very low EEC limit for drinking water: 0.01 mg/1. Needed: actual use.		+	
35840	00506-30-9	ARACHIDIC ACID		0			+	+
35845	07771-44-0	ARACHIDONIC ACID		0		S1(30620)/Same 12813	+	
35880	-	*AROMATIC SULPHONIC ACIDS-FORMALDEHYDE, COPOLYMER		9			+	
35920	-	*ARYLSULPHONIC ACID		9			+	
35960	01332-21-4	ASBESTOS		5		UP	+	
36000	00050-81-7	ASCORBIC ACID		1	Acceptable. (SCF, 22th Series, 1989).		+	+
36080	00137-66-6	ASCORBYL PALMITATE		1	Acceptable. (SCF, 22th Series, 1989).		+	
36160	10605-09-1	ASCORBYL STEARATE		1	Acceptable. Covered by the assessment for ascorbyl palmitate.		+	
36240	-	*AZELAIC ACID, ALKYL, PRIMARY(C1-C12)		9	Group R: 0.025 mg/kg b.w.	PVC	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		ESTERS						
36320	00103-24-2	*AZELAIC ACID, BIS(2-ETHYLHEXYL) ESTER		6B	Group R: 0.025 mg/kg b.w. Available: inadequate 90-day study. Needed: toxicological data depending on migration level (see SCF guidelines) and if migration exceeds 0.050 mg/kg peroxisome proliferation study too.		+	
36400	00106-03-6	*AZELAIC ACID, BIS(6-METHYLHEPTYL) ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and if migration exceeds 0.050 mg/kg peroxisome proliferation study too.		+	
36480	00109-31-9	*AZELAIC ACID, DI-n-HEXYL ESTER		6B	Group R: 0.025 mg/kg b.w. Available: 90-day and 2-year oral rat, 1-year oral dog studies. Needed: toxicological data depending on migration level (see SCF guidelines) and if migration exceeds 0.050 mg/kg peroxisome proliferation study too.		+	+
36520	26544-17-2	*AZELAIC ACID, DIISOOCTYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed:in first instance specifications and on the specified susbtances provide toxicological data depending on migration level (see SCF guidelines) and if migration exceeds 0.050 mg/kg peroxisome proliferation study too.			+
36560	02064-80-4	*AZELAIC ACID, DI-n-OCTYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF g uidelines) and if migration exceeds 0.050 mg/kg peroxisome proliferation study too.		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
36640	00123-77-3	AZODICARBONAMIDE		3	Evaluated in the context of its use as blowing agent which on heating will break down. Decision postponed until UK presents results of technological improvements (end 1990).	To be re-examined	+	+
36720	17194-00-2	BARIUM HYDROXIDE		3	R: 1 mg/kg in food. (Rivm doc. May 1992 (CS/PM/1584)).	PF	+	
36800	10022-31-8	BARIUM NITRATE		2-3	TDI: 3 mg/kg bw (for nitrate) based on ADI = 5 mg/kg bw on sodiumnitrate. (SCF, 26 Series, 1992). R: 1 mg/kg (as Ba) in food. (Rivm doc., May 1992 (CS/PM/1584)).	PTFE	+	
36840		BARIUM TETRABORATE		2-3	L3 for Barium. R: 1 mg/kg (as Ba) (Rivm doc., May 1992 (CS/PM/1584)). L2 for the borate. TDI: 0.2 mg/kg b.w. (as B) See references for boric acid (L2) in this report.			+
36880	08012-89-3	BEESWAX		0			+	+
36960	03061-75-4	BEHENAMIDE		3	Metabolized to ammonia and behenic acid	PO	+	
37040	00112-85-6	BEHENIC ACID		0		Same 12990	+	+
37120	-	*BEHENIC ACID, ESTERS WITH PENTAERYTHRITOL		7	Needed: hydrolysis data.	PVC	+	
37200	53161-46-9	*BEHENIC ACID, MONOESTERS WITH PENTAERYTHRITOL		7	Needed: hydrolysis data.		+	
37240	-	BEHENIC ACID, SALTS		D			+	
37280	01302-78-9	BENTONITE		3	Inert material.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
37360	00100-52-7	BENZALDEHYDE		1	Group ADI: 5 mg/kg b.w. as benzoic acid. (JECFA 11 M., 1967)		+	
37400	00539-48-0	*1,4-BENZENEDIMETHANAMINE		8		Same 13030		+
37440	00080-17-1	*BENZENESULPHONIC ACID HYDRAZIDE		6A		PVC	+	
37520	02634-33-5	1,2-BENZISOTHIAZOLIN-3-ONE		2	t-TDI: 0.02 mg/kg b.w. Available: several oral dog study and a 90-day oral rat study (RIVM June 1980). Needed: mutagenicity studies.	PE,PVAC,PVC	+	+
37600	00065-85-0	BENZOIC ACID		1	Group ADI: 5 mg/kg b.w. (JECFA 27 M., 1983).	Same 13090	+	+
37680	00136-60-7	BENZOIC ACID, BUTYL ESTER		2	Group TDI: 5 mg/kg b.w. as benzoic acid for butyl-, ethyl-, methyl-, propylbenzoate on the basis of the Group ADI for benzoic acid. (JECFA 27 M., 1983)	PA,PVC	+	
37760	-	*BENZOIC ACID, ESTERS WITH 1,2-PROPANEDIOL		D		See 51840	+	
37840	00093-89-0	BENZOIC ACID, ETHYL ESTER		2	Group TDI: 5 mg/kg b.w. as benzoic acid for butyl-, ethyl-, methyl-, propylbenzoate on the basis of the Group ADI for benzoic acid. (JECFA 27 M., 1983).	PA	+	
37920	00136-36-7	*BENZOIC ACID, 3-HYDROXYPHENYL ESTER		7	Needed: hydrolysis data.		+	
38000	00553-54-8	BENZOIC ACID, LITHIUM SALT		2	Group TDI: 0.01 mg/kg b.w. (as Li). Available: 90-day oral rat studies, mutagenicity data, therapeutic use of Li salts. (Rivm summary, Sept. 1991).	PO	+	
38080	00093-58-3	BENZOIC ACID, METHYL ESTER		2	Group TDI: 5 mg/kg b.w. as benzoic acid for butyl-, ethyl-, methyl-, propylbenzoate on the basis of the Group ADI	PA	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					for benzoic acid. (JECFA 27 M., 1983).			
38160	02315-68-6	BENZOIC ACID, PROPYL ESTER		2	Group TDI: 5 mg/kg b.w. as benzoic acid for butyl-, ethyl-, methyl-, propylbenzoate on the basis of the Group ADI for benzoic acid. (JECFA 27 M., 1983).		+	
38200	00119-53-9	*BENZOIN		8		Same 13135		+
38240	00119-61-9	BENZOPHENONE		2	Group TDI: 0.01 mg/kg b.w. 90-day oral rat study and metabolism study (CIVO report R 3301, 1970).	PET	+	
38280	00106-51-4	*BENZOQUINONE		8		PVAC,UP		+
38320	05242-49-9	4-(2-BENZOXAZOLYL)-4'-(5-METHYL-2-BENZOX AZOLYL) STILBENE		3	Maximum amount to be used 0.05% (w/w).	SCF: QM used 0.05% (w/w)	+	+
38400	00100-51-6	BENZYL ALCOHOL		1	Group ADI: 5 mg/kg b.w. in the ADI for benzoic acid. (SCF, 11th Series, 1981).	Same 13150		+
38440	00056-37-1	*BENZYLTRIETHYLAMMONIUMCHLORIDE		8				+
38480	00056-93-9	*BENZYLTRIMETHYLAMMONIUM CHLORIDE		8			+	+
38500	66822-60-4	*BETAINE TYPE METHACRYLIC POLYMER (N-METHACRYLOLYLETHYL-N,N-DIMETHYLAMMONI UM -alpha-N-METHYLCARBOXYLATE, OCTADECYL METHACRYLATE, ETHYL METHACRYLATE, CYCLOHEXYL METHACRYLATE, n-VINYL-2-PYRROLIDONE, COPOLYMERS		D		Same 65920	+	
38530	32509-66-3	BIS(3,3-BIS(4-HYDROXY-3-tert-BUTYLPHENYL)BUTANOIC ACID), ESTER WITH ETHYLENEGLYCOL		D			+	+
38560	07128-64-5	2,5-BIS(5-tert-BUTYL-2-BENZOXAZOLYL)THIO PHENE		2	TDI: 0.01 mg/kg b.w. 90-day oral dog and rat studies, 1-year (+ 0.5-year recovery) study in mice showed accumulation in tissues by fluorescence. (RIVM, doc. tox. 300/277, June 1981).		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
38565	90498-90-1	*3,9-BIS[2-(3-(tert.BUTYL-4-HYDROXY-5-METHYLPHENYL)PROPIONYLOXY)-tert.BUTYL]-2,4,8,10-TETRAOXASPIRO[5.5]UNDECANE		W7	Available: 3 negative, mutagenicity studies, 90-day oral rat study with evidence of hepato- and renal toxicity, high bioaccumulation potential, inadequate report on migration data (CS/PM/1762, 2029). Needed: bioaccumulation study in vivo in liver and fat.	New subst.	+	
38570	00079-96-9	*2,2-BIS(3-tert.BUTYL-4-HYDROXYPHENYL)PROPANE		8				+
38580	57569-40-1	BIS(2-tert-BUTYL-4-METHYL-6-(3-tert-BUTYL-5-METHYL-2-HYDROXYBENZYL) PHENYL)TEREPHTHALATE		D			+	+
38600	00078-63-7	*2,5-BIS(tert-BUTYLPEROXY)-2,5-DIMETHYLHEXANE		9	Specification for use.	PO/Spec(U)	+	
38615	02212-81-9	*1,3-BIS(tert-BUTYLPEROXYISOPROPYL)BENZENE		9	Specification for use.	PO,PS,PUR,UP/Spec(U)	+	
38625	02781-00-2	*1,4-BIS(tert-BUTYLPEROXYISOPROPYL)BENZENE		9	Specification for use.	PP,PUR/Spec(U)	+	
38640		See 38700		D			+	
38700	63397-60-4	BIS(2-CARBOBUTOXYETHYL)TIN-BIS(ISOOCTYL MERCAPTOACETATE)		2	t-TDI: 0.3 mg/kg b.w. pending additional mutagenicity studies. Available: 28-day in young rats and 90-day oral rat studies and Ames test. (RIVM report 89/678608/003, 1989-04-04).	PVC	+	
38720	105350-68-3	*2,2-BIS[4-(2-(3,5-DI-tert-BUTYL-4-HYDROXYHYDRO CINNAMOYLOXY))ETHOXYPHENYL]-PROPANE		W			+	
38750	00118-82-1	*BIS(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL)METHANE		D			+	+
38780	23128-74-7	N,N'-BIS(3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL)PROPIONYL)HEXAMETHYLENEDIAMINE		D			+	+
38800	32687-78-8	N,N'-BIS(3-(3,5-DI-tert-BUTYL-4-HYDROXYP		2	TDI: 0.25 mg/kg b.w.		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		HENYL)PROPIONYL) HYDRAZIDE			3 month oral rat study, mutagenicity studies. Migration data. (RIVM, September 1990).			
38820	26741-53-7	BIS(2,4-DI-tert-BUTYLPHENYL) PENTAERYTHRITOL DIPHOSPHITE		2	TDI: 0.01 mg/kg b.w. 90-day oral rat and 4-month oral dog studies and Ames test. (RIVM, Doc. Tox. 300/335, June 1982).		+	+
38860	47910-88-3	*4,4'-BIS[[4-DIETHANOLAMINO-6-(m-SULPHOANILINO)-s-TRIAZIN-2-YL]AMINO]-2,2'-STILBENEDISULPHONIC ACID		P				+
38862		*4,4'-BIS[[4-DIETHANOLAMINO-6-(o-SULPHOANILINO)-s-TRIAZIN-2-YL]AMINO]-2,2'-STILBENEDISULPHONIC ACID		P				+
38864		*4,4'-BIS[[4-DIETHANOLAMINO-6-(p-SULPHOANILINO)-s-TRIAZIN-2-YL]AMINO]-2,2'-STILBENEDISULPHONIC ACID		P				+
38870		*4,4'-BIS[[4-DIETHYLAMINO-6-(2,5-DISULPHOANILINO)-s-TRIAZIN-2-YL]AMINO]-2,2'-STILBENEDISULPHONIC ACID		P				+
38880		See 38820		D			+	+
38890		*2,2-BIS(3,5-DI-n-OCTYL-4-HYDROXYPHENYL) PROPANE		8				+
38910		*BIS(4-DIPHENYLSULPHONIUM)PHENYLSULPHIDE -BIS(HEXAFLUOROANTIMONATE)		6B	List 8 for the compound. List 6B for Sb. R : 0.01 mg/kg of food (as Sb).			+
38920		See 38950		D			+	+
38930	74227-35-3	*BIS(4-DIPHENYLSULPHONIUM)PHENYLSULPHIDE -BIS(HEXAFLUOROPHOSPHATE)		8		Techn.incomplete dossier available.		+
38950	79072-96-1	BIS(4-ETHYLBENZYLIDENE)SORBITOL		2	Group TDI: 1 mg/kg b.w. (with bis(4-ethylbenzylidene) sorbitol, bis(methylbenzylidene) sorbitol and dibenzylidene sorbitol). Several 90-day mouse and rat	Similar to 39890	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					studies, several mutagenicity tests negative. (RIVM Doc. 88/678608/008, 1 Nov. 1988; RIVM Doc. Tox 300/425, May 1983, RIVM 15 Nov. 1989).			
38960		BIS...		D			+	+
38970	-	*N,N-BIS-(2-ETHYLHEXYL)GLYCINE, SODIUM SALT		8		PAN	+	
39010	00088-24-4	BIS(2-HYDROXY-3-tert-BUTYL-5-ETHYLPHENYL)METHANE		D			+	+
39025	00119-47-1	BIS(2-HYDROXY-3-tert-BUTYL-5-METHYLPHENYL)METHANE		D			+	+
39040		See 39090		D			+	+
39045	04066-02-8	BIS(2-HYDROXY-3-CYCLOHEXYL-5-METHYLPHENYL)METHANE		D			+	+
39060	35958-30-6	1,1-BIS(2-HYDROXY-3,5-DI-tert-BUTYLPHENYL)ETHANE		3	R: 5 mg/kg in food. Available: 3-month oral rat and dog studies, reproduction study and tests for mutagenicity negative. (RIVM doc. February 1992).		+	
39090	-	N,N-BIS(2-HYDROXYETHYL)ALKYL(C8-C18)AMINE		2	Group t-TDI: 0.02 mg/kg b.w. (as "free" amine) (with N,N-bis(2-hydroxyethyl)alkyl(C8-C18)amine and N,N-bis(2-hydroxyethyl)alkyl(C8-C18)amine hydrochlorides). See references for N,N-bis(2-hydroxyethyl)alkyl(C8-C18)amine hydrochlorides.	Look at 39120/Mixt	+	+
39120	-	N,N-BIS(2-HYDROXYETHYL)ALKYL(C8-C18)AMINE HYDROCHLORIDES		2	Group t-TDI: 0.02 mg/kg b.w. (as "free" amine)(with N,N-bis(2-hydroxyethyl)alkyl(C8-C18)amine). Available: 90-day oral rat and dog studies. (RIVM report, November 1971).	PP	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					Needed: adequate 28-day oral study.			
39140	00136-26-5	*N,N-BIS(2-HYDROXYETHYL)DECANAMIDE		7-P	Available: 90-day oral rat studies on similar compounds. Needed: migration data and other data according to SCF guidelines. See SCF opinion on the substance PM/REF.N. 45040.	S1(30720)	+	
39160	00111-46-6	BIS(2-HYDROXYETHYL) ETHER		-			+	+
39200	06200-40-4	BIS(2-HYDROXYETHYL)-2-HYDROXYPROPYL-3-(DODECYLOXY) METHYLAMMONIUM CHLORIDE		2	TDI: 0.03 mg/kg b.w. 90-day oral rat study. (CIVO report R2491 September. 1967 and 2628 February 1968).	PO,PS,PVC	+	
39280	00120-40-1	*N,N-BIS(2-HYDROXYETHYL)LAURAMIDE		7	Needed: hydrolysis data.		+	+
39360	-	*N,N-BIS(2-HYDROXYETHYL)OCTADECYLAMINE, N(2-HYDROXYETHYL-N-OCTADECYLGLYCINE(MONO SODIUM SALT/AND N,N'-BIS(HYDROXYETHYL)-N-(CARBOXYMETHYL) OCTADECANAMINIUM HYDROXIDE (INNER SALT) AS MAJOR COMPONENTS OF MIXTURE PREPARED BY REACTION		9		PP	+	
39440	58767-50-3	*N,N-BIS(2-HYDROXYETHYL)-N-(n-OCTYL)-N-METHYLAMMONIUM 4-TOLUENESULPHONATE		8		PS	+	+
39480	00093-83-4	*N,N-BIS(2-HYDROXYETHYL)OLEAMIDE		7-P	Available: 90-day oral rat studies on similar compounds. Needed: migration data and other data according to the SCF guidelines. See the SCF opinion on the substance PM/REF.N 45040.	S1(30720)	+	
39520	00093-82-3	*N,N-BIS(2-HYDROXYETHYL)STEARAMIDE		8			+	
39560	00077-99-6	2,2-BIS(HYDROXYMETHYL)-1-BUTANOL		D		Same 94960	+	+
39600	00077-62-3	BIS(2-HYDROXY-3-(1-METHYLCYCLOHEXYL)-5-METHYLPHENYL)METHANE		2	TDI: 0.1 mg/kg b.w. Several oral rat and dog short term studies, a 90-day oral dog and 2-year oral rat and dog studies. (Report from H.C. Hodge, 20 March 1961).		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
39630	00140-95-4	*N,N'-BIS(HYDROXYMETHYL)UREA		8				+
39650	00620-92-8	*BIS(4-HYDROXYPHENYL)METHANE		8				+
39680	00080-05-7	2,2-BIS(4-HYDROXYPHENYL)PROPANE		2	TDI: 0.05 mg/kg b.w. (SCF, 17th Series, 1986).	Same 13480	+	
39730	25068-38-6	*2,2-BIS(4-HYDROXYPHENYL)PROPANE-EPICHLOROHYDRIN COPOLYMER		9		PET,PUR,PVC,PVDC	+	
39750	25265-71-8 and 110-98-5	BIS(HYDROXYPROPYL) ETHER		D		Same 51760	+	+
39760		See 39890		D			+	
39800	07342-13-4	*4,4'-BIS[[4-METHOXY-6-ANILINO-s-TRIAZIN-2-YL]AMINO]-2,2'-STILBENEDISULPHONIC ACID		P				+
39890	87826-41-3 69158-41-4	BIS(METHYLBENZYLIDENE) SORBITOL		2	Group TDI: 1 mg/kg b.w. (with bis(4-ethylbenzylidene)sorbitol and bis(methylbenzylidene) sorbitol). 28- and 90-day oral rat studies, one in-vitro mutagenicity study. See references for bis(4-ethylbenzylidene)sorbitol.		+	
39920	00085-60-9	*1,1-BIS(2-METHYL-4-HYDROXY-5-tert-BUTYLPHENYL)BUTANE		7	Available: data from 30- and 90-day oral rat studies inadequate. Needed: in first instance migration and mutagenicity data.		+	+
39930		*4,4'-BIS[[4-MONO- AND DIETHANOLAMINO-6-ANILINO-s-TRIAZIN-2-YL]AMINO]-2,2'-STILBENEDISULPHONIC ACID		P				+
39945		*4,4'-BIS[[4-MORPHOLINO-6-(2,5-DISULPHOANILINO)-s-TRIAZIN-2-YL]AMINO]-2,2'-STILBENEDISULPHONIC ACID		P				+
39960		*4,4'-BIS[[4-MORPHOLINO-6-(p-SULPHOANILI		P				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		NO)-s-TRIAZIN-2-YL]AMINO]-2,2'STILBENEDI SULPHONIC ACID						
39980	-	*BIS(N,N'-METHYL-beta-HYDROXYETHYL)-HEXA METHYLENEBISUREA		8		PUR	+	
40000	00991-84-4	2,4-BIS(OCTYLMERCAPTO)-6-(4-HYDROXY-3,5-DI-tert-BUTYLANILINO)-1,3,5-TRIAZINE		2	TDI: 0.5 mg/kg b.w. 90-day oral rat and dog studies. (RIVM monograph 300/211, December 1980).	ABS,PP,PS	+	+
40020	110553-27-0	2,4-BIS(OCTYLTHIOMETHYL)-6-METHYLPHENOL		2	TDI: 0.1 mg/kg Available: 1- and 3-month oral rat studies and teratogenicity studies in rats. Bioaccumulation and mutagenicity studies and migration data. (RIVM 90/6786008/008).	New subst.	+	
40040	13259-35-3	*BIS(PENTAERYTHRITOL) ADIPATE		9		S1(30880)	+	
40060	00080-05-7	BISPHENOL A		-			+	
40080	13879-32-8	*BIS(PHENOXYETHYL)FORMAL		8		PVC	+	+
40120		*BIS(POLYETHYLENEGLYCOL) HYDROXYMETHYLPHOSPHONATE		9		PET	+	
40160	61269-61-2	N,N'-BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDYL)HEXAMETHYLENEDIAMINE-1,2-DIBROMOETHANE, POLYMER		2	t-TDI: 0.04 mg/kg b.w. pending results of mutagenicity study in eukaryotic cells. Available: 90-day oral rat study, rat teratogenicity study and mutagenicity study. (HRC reports MTI 135/85733/ST, 24 Sept.1985 and MTI 133/85540, 14 August 1985 plus Farmitalia report 6 March 1985).	PP	+	
40240	-	BIS(TRIETHYLENEGLYCOL) HYDROXYMETHYLPHOSPHONATE		2	t-TDI: 0.01 mg/kg b.w. Available: 90-day oral rat study and migration < 0.1 ppm. (RIVM doc. Oct. 1970). Needed: mutagenicity studies.	PET/Cov.by 77840	+	
40300	08001-85-2	*BONE OIL		8				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
40320	10043-35-3	BORIC ACID		2	Group TDI: 0.2 mg/kg b.w. (as B). Several short term, 90-day and 2-year oral rat studies, 38-week and 2-year oral dog studies and a 3 generation oral rat study. A two year oral mouse carcinogenicity study. (Toxicol. Appl. Pharmacol. 1972, 23, 351-364, NTP report TR 324, 26 March 1986).	Same 13615	+	+
40400	10043-11-5	BORON NITRIDE		3	Inert, insoluble material.	PEEK	+	
40430	00109-63-7	*BORON TRIFLUORIDE ETHERATE		8	L8 for the compound. L2 for the Boron. TDI: 0.2 (as B). See references for boric acid in list 2.	POM		+
40445	61791-99-9	*2-BROMO-4-HYDROXYACETOPHENONE		8	Data exist but are not available to SCF.	Give existing data		+
40460	00052-51-7	*2-BROMO-2-NITRO-1,3-PROPANEDIOL		8		Give existing data!		+
40480	07166-19-0	*2-BROMO-2-NITROSTYRENE		8			+	
40490		*BUTADIENE-DIVINYLBENZENE, COPOLYMER		9		PE	+	
40500		*BUTADIENE-DIVINYLBENZENE-METHYL METHACRYLATE-STYRENE, COPOLYMER		9		PVC,PVCC	+	
40510		*BUTADIENE-DIVINYLBENZENE-STYRENE, COPOLYMER		9		PE	+	
40520		*BUTADIENE-METHACRYLIC ESTERS OF ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C1-C18)-STYRENE, COPOLYMERS		9		PVC	+	
40530		*BUTADIENE-2-METHYL-1,3-BUTADIENE, COPOLYMER		9		PS	+	+
40535		*BUTADIENE-2-METHYL-1,3-BUTADIENE-STYRENE, COPOLYMER		9		PO	+	
40545	25053-09-2	*BUTADIENE-METHYL METHACRYLATE-STYRENE,		9		PVC,PVCC	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		COPOLYMER						
40555	09003-55-8	*BUTADIENE-STYRENE, COPOLYMER		9		A	+	
40560		See 40630		D			+	
40570	00106-97-8	BUTANE		3	Volatile compound.		+	
40580	00110-63-4	*1,4-BUTANEDIOL		7	See references for same substance in SCF report on monomers.	PUR/Same 13720	+	
40590	00071-36-3	1-BUTANOL		3	See references for the same substance in monomer report.	MF/PF/UF/Same 13840	+	+
40592	00078-92-2	*2-BUTANOL		8		PO/Same 13842	+	+
40594	00075-65-0	tert-BUTANOL		3	Residue in food less than 10 mg/kg. (SCF, 11th Series, 1981; EHC 65).	Same 13845		+
40600		*BUTENE-ETHYLENE-PROPYLENE-VINYL ESTERS-UNSATURATED ALIPHATIC ACIDS (INCLUDING THEIR SALTS AND ESTERS), COPOLYMERS		9		PA,PE,PIB,PVC	+	
40610	00598-32-3	*3-BUTEN-2-OL		6A		PVA,PVDC/Same 13932		+
40618	05131-66-8	*1-BUTOXY-2-PROPANOL		8				+
40624		*BUTYL ACRYLATE-VINYLPYRROLIDONE, COPOLYMER		9		PVC,PVCC	+	
40630	02782-40-3	*N-BUTYLBENZAMIDE		8		PA	+	
40635	26935-10-4	*BUTYL CARBAMATE-FORMALDEHYDE, COPOLYMER		9				+
40640	00098-29-3	*4-tert-BUTYLCATECHOL		8		ABS,PS,UP	+	
40720	25013-16-5	tert-BUTYL-4-HYDROXYANISOLE (=BHA)		1	t-ADI: 0.5 mg/kg b.w. (SCF, 22th Series, 1989).		+	+
40740		*2-(3-tert-BUTYL-4-HYDROXYPHENYL)-2-(4-HYDROXYPHENYL)PROPANE		8				+
40770	00085-60-9	*4,4'-BUTYLIDENEBIS(6-tert-BUTYL-m-CRESOL)		-			+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
40800	13003-12-8	4,4'-BUTYLIDENEBIS(6-tert-BUTYL-3-METHYL PHENYL-DITRIDECYL PHOSPHITE)		2	TDI: 0.1 mg/kg b.w. 90-day oral rat study. (CIVO report 5254, February 1977).		+	+
40840	01638-22-8	*4-BUTYLPHENOL		8				+
40850	00098-54-4	*4-tert-BUTYLPHENOL		8		Same as 14020		+
40865	50696-71-4	*tert-BUTYLPHENOL DISULPHIDE		8		PVE/Same 47120	+	
40880	15666-29-2	BUTYLTHIOSTANNOIC ACID		2	t-TDI: 25 mg/kg b.w. Available: 70- and 90-day and 2-year oral rat studies, observations in man and migration data. Needed: mutagenicity studies.	PVC,PVCC,PUR	+	+
40960	26935-10-4	*BUTYLURETHANE-FORMALDEHYDE, COPOLYMER		9			+	+
40980	-	BUTYRIC ACID, MANGANESE SALT		2	LO for butyric acid. L2 for the Mn. TDI: 0.01 mg/kg (as Mn). See references for 30180 in L2 in this report.	PVAC	+	
41000	00096-48-0	*gamma-BUTYROLACTONE		8				+
41010	?	*CALCIUM ALUMINIUM HYDROXYPHOSPHITE, BASIC		W		New subst.	+	
41020	65140-91-2	CALCIUM BIS(3,5-DI-tert-BUTYL-4-HYDROXYBENZYL-MONOETHYL)PHOSPHONATE		D		Same 46880	+	+
41040	05743-36-2	CALCIUM BUTYRATE		0			+	
41120	10043-52-4	CALCIUM CHLORIDE		1	ADI: not specified. (SCF, Rx).	2A/D4 when hydrochloric acid will be assessed	+	
41200	07789-75-5	*CALCIUM FLUORIDE		7	Needed: migration data.	POM	+	
41280	01305-62-0	CALCIUM HYDROXIDE		1	ADI: not specified. (SCF, Rx).		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
41360	10101-39-0	*CALCIUM METASILICATE		7	Needed: migration data.		+	
41440	-	*CALCIUM 2-METHOXYBENZOATE		8		PVC,PVCC	+	
41520	01305-78-8	CALCIUM OXIDE		1	ADI: not specified. (SCF, Rx).		+	+
41600	12004-14-7 37293-22-4	CALCIUM SULPHOALUMINATE		2	TDI: 1 mg/kg bw (as Al) based on PTWI= 7 mg/kg bw (as Al). (SCF, 25th Series, 1991).		+	+
41680	00076-22-2	CAMPHOR		3	Natural compound with strong flavour.	CN	+	+
41760	08006-44-8	CANDELILLA WAX		3	Natural wax. Purity to be specified.	SCF: Spec(P)	+	+
41800	00142-62-1	CAPROIC ACID		-			+	
41840	00105-60-2	CAPROLACTAM		2	Group TDI: 0.25 mg/kg b.w. (SCF, 17th Series, 1986).	PUR/Y,Z/Same 14200	+	
41880	00502-44-3	*CAPROLACTONE		8	Data on migration are inadequate.	Same 14620		+
41920		*epsilon-CAPROLACTONE-ETHYLENEIMINE-LAURIC ACID, COPOLYMER		W9	In first instance provide information on identity.	PE/PVC	+	
41960	00124-07-2	CAPRYLIC ACID		0		Same 14320	+	+
42000	63438-80-2	(2-CARBOBUTOXYETHYL)TIN-TRIS(ISOOCTYL MERCAPTOACETATE)		2	t-TDI: 0.5 mg/kg b.w. pending additional mutagenicity studies Available: 35-day in young and 90-day oral rat studies and Ames test. (RIVM report 89/678608/002, 1989-04-04).	PVC,PVCC	+	
42080	01333-86-4	CARBON BLACK		3	Criteria purity shall be established.Carbon black should be free from aromatic hydrocarbons (CS/PM/2041).		+	+
42160	00124-38-9	CARBON DIOXIDE		1	ADI: not specified. (JECFA 23rd M., 1980).		+	+
42240	-	*CARBON FIBERS		P	Needed: specification from industry.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
42320	07492-68-4	CARBONIC ACID, COPPER SALT		1	PMTDI: 0.5 mg/kg b.w. for copper. (JECFA 26 M., 1982).	PA	+	+
42360	10290-71-8	CARBONIC ACID, IRON SALT		D			+	
42400	10377-37-4	CARBONIC ACID, LITHIUM SALT		2	Group TDI: 0.01 mg/kg b.w. (as Li). See references for benzoic acid, lithium salt.		+	
42480	00584-09-8	CARBONIC ACID, RUBIDIUM SALT		2	TDI: 0.2 mg/kg b.w. 90-day oral rat study on diet low in K+. Normal food may contain up to 140 mg/kg, average daily intake for man 1-4 mg. (RIVM 617601002, 1981).	PET	+	
42500	-	CARBONIC ACID, SALTS		1	ADI: not specified for carbonate. (SCF, Rx).		+	+
42560		CARBON VEGETABLE		1/D	Food grade acceptable. (SCF, 4th Series, 1977).		+	
42640	09000-11-7	CARBOXYMETHYLCELLULOSE		2	Group TDI: not specified based on Group ADI (=not specified) for certain modified celluloses. (JECFA 35 M, 1989).		+	+
42680	03401-73-8	*N-(3-CARBOXY-2-SULPHOPROPIONYL)-N-OCTADECYL-L-ASPARTIC ACID, TETRASODIUM SALT		W8		New subst.	+	
42720	08015-86-9	CARNAUBA WAX		3	Natural wax. Purity to be specified.	SCF:Spec(P)	+	+
42760/0	09000-07-1	CARRAGEENAN		1	ADI : 75 mg/kg bw. (SCF, in press (cs/pm/1626)).			+
42760/1	09000-07-1	*CARRAGEENAN		9				+
42800	09000-71-9	CASEIN		0			+	+
42880	08001-79-4	CASTOR OIL		3	Food fat.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
42960	64147-40-6	CASTOR OIL, DEHYDRATED		3	Similar to fats food.	Same 14440	+	+
43040	-	*CASTOR OIL, EPOXIDIZED (OXIRANE LESS THAN 5%, IODINE NUMBER LESS THAN 6)		8			+	
43120	08001-78-3	CASTOR OIL, HYDROGENATED		3	Identical with or similar to food fat.		+	+
43200	-	CASTOR OIL, MONO- AND DIGLYCERIDES		3	Toxicologically acceptable.	PE,PVC	+	
43230	08002-33-3	*CASTOR OIL, SULPHATED		9		Cov.by 54640		+
43260	101316-48-7	*CASTOR OIL SULPHONATED		9		Cov.by 54650		+
43265	-	*CASTOR OIL, SULPHONATED, SODIUM SALT		8		Cov.by 54650	+	
43280	09004-34-6	CELLULOSE		0		Same 14500(LO)/Pol-Microcrystalline included	+	+
43300	09004-36-8	CELLULOSE ACETATE BUTYRATE		3	Inert material, modified natural cellulose.	PVC/Same 14508	+	+
43330	09004-70-0	CELLULOSE NITRATE		D			+	
43360	68442-85-3	CELLULOSE, REGENERATED		2	Group TDI: not specified based on Group ADI (=not specified) for certain modified cellulose. (JECFA 35 M., 1989).		+	
43390	09012-09-3	*CELLULOSE TRIACETATE		9		PC,UP	+	
43410	08001-75-0	CERESIN		D			+	
43440	08001-75-0	CERESIN, REFINED		3	Refined, natural, crystalline wax. Purity to be specified.	SCF: Spec(P)	+	
43470	11129-18-3	*CERIUM OXIDE		P				+
43490	01332-58-7	CHINA CLAY (=Natural aluminium silicate)		-			+	+
43495	66402-68-4	CHINA CLAY, CALCINED		-			+	
43520	-	*CHLORIDES OF CHOLINE ESTERS OF LINEAR		9			+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		NATURAL MONOCARB.ACIDS						
43600	04080-31-3	1-(3-CHLOROALLYL)-3,5,7-TRIAZA-1-AZONIAA DAMANTANE CHLORIDE		2	TDI: 0.005 mg/kg b.w. Two 90-day oral rat and a dog studies and teratogenicity studies in rats and rabbits and negative mutagenicity studies. (RIVM doc. December 1983).	PAM	+	+
43630	00059-50-7	*p-CHLORO-m-CRESOL		8	There are data (confidential!), but they have not been transmitted.	Give existing data!		+
43650	00075-68-3	*1-CHLORO-1,1-DIFLUOROETHANE		W-P	Needed: full reports on 2 and 24 month rat studies, teratogenicity and mutagenicity studies. (Rivm 2 November 1990).	New subst/PS	+	
43680	00075-45-6	CHLORODIFLUOROMETHANE		2	TDI: 0.1 mg/kg b.w. (based on teratogenicity study). Specification: free from carcinogenic substances. One year oral rat study. Several inhalation studies in several animal species, including teratogenicity in rabbits. Mutagenicity tests in-vitro and in-vivo. N.B. The Committee has not considered the environmental implications of the use of the solvent in food technology, but recognises that environmental considerations should take precedence over its own evaluations on this occasion.	PE,PS/Free from carcinogenic impurities.	+	
43760	26172-55-4	5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE		4	90-day oral rat and dog studies. Reproduction and teratogenicity studies in rabbits, 3 mutagenicity studies. (RIVM Doc.Tox.300/430 May 1979, September 1983, June 1984). Very potent sensitizer.		+	+
43780	10141-00-1	*CHROME ALUM		D		Same 92020		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
43800		*CHROMIC ACID		9				+
43820	-	*CHROMIC CHLORIDE COMPLEX WITH LINEAR SAT.MONOCARB.ACIDS (C16 AND ABOVE)		D			+	
43840	15659-56-0	*CHROMIC CHLORIDE MYRISTATE		8			+	
43920	15242-96-3	*CHROMIC CHLORIDE STEARATE		9		Cov.by 43820	+	
43950	10025-73-7	*CHROMIUM(III) CHLORIDE		7-P	Available: Rivm report (cs/pm/1044). Needed: in first instance migration data.			+
43980	11118-57-3	*CHROMIUM OXIDE		9-P		PE		+
44000	01333-82-0	CHROMIUM TRIOXIDE		4-P	Cr(VI) is a genotoxic carcinogen (IARC monograph 1980, vol. 23).		+	
44080	00104-55-2	CINNAMALDEHYDE		5			+	
44160	00077-92-9	CITRIC ACID		1	Group ADI: not specified for citric acid and its salts. (SCF, 25th Series, 1990).	Same 14680	+	+
44240	-	*CITRIC ACID, ALKYL, PRIMARY (C2-C12), ESTERS		9	Group R: 0.025 mg/kg b.w.		+	+
44280	29589-99-9	*CITRIC ACID, DIOCTADECYL ESTER		7	Needed: hydrolysis data.			+
44300	110638-71-6 *	*CITRIC ACID, LITHIUM SALT, REACTION PRODUCT WITH VERMICULITE		W.T		New subst	+	+
44320	01321-57-9	*CITRIC ACID, MONOISOPROPYL ESTER		7	Needed: hydrolysis data and reports from Duel et al., (1951).		+	+
44400	01323-66-6	*CITRIC ACID, MONO-n-OCTADECYL ESTER		7	Needed: hydrolysis data, specifications and reports from Duel et al., 1951.		+	+
44560	00077-94-1	*CITRIC ACID, TRIBUTYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and if migration exceeds 0.050 mg/kg peroxisome proliferation study	CA,PVAC	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					too.			
44640	00077-93-0	CITRIC ACID, TRIETHYL ESTER		1	ADI: 20 mg/kg b.w. (JECFA 28 M., 1984).		+	+
44720	07775-50-0	*CITRIC ACID, TRI-n-OCTADECYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and if migration exceeds 0.050 mg/kg peroxisome proliferation study too.	PS	+	+
44800	07147-34-4	*CITRIC ACID, TRIS(2-ETHYLHEXYL) ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and if migration exceeds 0.050 mg/kg peroxisome proliferation study too.		+	
44880	01333-88-6	COBALT ALUMINATE		2-3	L2 for Al. TDI: 1 mg/kg bw (as Al) based on PTWI: 7 mg/kg bw (as Al). (SCF, 25th Series, 1991). L3 fo Co. R: 0.05 mg/kg of food (as Co). (Rivm, summary data, October 1992)(CS/PM/1707).	PTFE	+	+
44960	11104-61-3	COBALT OXIDE		3	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707).	PET,PTFE	+	+
45040	61790-63-4 68603-42-9 and	*COCONUT OIL FATTY ACIDS DIETHANOLAMIDE		7-P	Available: 90-day oral rat studies on similar compounds. Needed: migration data and other data according to the SCF guidelines. The data obtained on this mixture can be used also for the evaluation of the more specific compounds PM/REF.N. 39140 and 39480.	PO,PS/Add CAS N= 68440-04-0	+	
45055	08050-09-7	COLOPHONY		-			+	+
45058		COLORANTS		D		For memo	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
45060/0	08002-13-9	COLZA OIL		D		PVC/Same 83580/0.	+	+
45060/1	08002-13-9	*COLZA OIL		Dx		Same 83580		+
45075		*CONDENSATION PRODUCTS OF ETHYLENE OXIDE WITH ALKYL- AND DIALKYLAMINES (C1-C20)		9		PVC	+	
45090	09000-14-0	*COPAL		9		Same 14688		+
45105		*COPOLYMERS OF ACRYLIC OR METHACRYLIC ESTERS WITH VINYLPYRROLIDONE		9		PAN,PS	+	+
45120		*COPOLYMERS OF ACRYLIC,FUMARIC,ITACONIC,MALEIC AND METHACRYLIC ACIDS WITH BUTADIENE, BUTENE, DIVINYLBENZENE, ESTERS OF THESE ACIDS WITH SAT. MONOH. ALIPH. ALCOHOLS(C1-C18), ETHYLENE, ETHYLENE OXIDE, ISOBUTENE, ISOPRENE, MALEIC ANHYDRIDE, ETC.		9			+	
45135		*COPOLYMERS OF DIBUTYL MALEATE AND VINYL ACETATE, POSSIBLY COPOLYMERIZED WITH ACRYLIC ACID OR 2,3-EPOXYPROPYL METHACRYLATE		9				+
45150		*COPOLYMERS OF ETHYL ACRYLATE		9				+
45165	-	*COPOLYMERS OF LINEAR OR BRANCHED alpha-OLEFINS(C3-C38) AND MONO- OR DIESTERS OF MALEIC ACID WITH LINEAR OR BRANCHED ALCOHOLS (C2-C36), ETHOXYLATED ALCOHOLS (C1-C36) WITH ETHOXYLATION DEGREE BETWEEN 2-36		9		PVC	+	+
45175		*COPOLYMERS OF MONOMERS MENTIONED IN BGA XIV.1.h WITH MONOMERS MENTIONED IN XIV.1.a-g		9				+
45185		*COPOLYMERS OF MONOMERS MENTIONED IN BGA VI.1 WITH MALEIC ACID, FUMARIC ACID, OR MALEIC ANHYDRIDE		9				+
45195	07787-70-4	COPPER(I) BROMIDE		1	PMTDI: 0.5 mg/kg b.w. (as Cu). (JECFA 26 M., 1982). ADI: 1 mg/kg b.w. (as Br). It	PA/SML(T) for Br must be re-examined.	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					occurs also as a pesticide residue. (JMPR, "Pesticide residues in food", 1988, paper 93/2).	Pesticide!		
45200	07681-65-4	COPPER(I) IODIDE		1	PMTDI: 0.5 mg/kg b.w. (as Cu). (JECFA 26 M., 1982). PMTDI: 0.017 mg/kg b.w. (as I). (JECFA 33 M., 1988).	PA	+	+
45280	-	COTTON FIBERS		3	Inert, insoluble material.	MF,PF,UF	+	+
45360	08001-29-4	COTTONSEED OIL		3/D	Equal to or similar to food fats.	Cov.by 54450	+	+
45410		*CRESOLS, BUTYLATED		9				+
45440	-	*CRESOLS, BUTYLATED, STYRENATED		9		PO,PS	+	+
45470		*CRESOLS, STYRENATED		9				+
45520	-	p-CRESOL, STYRENATED		2	t-TDI: 0.2 mg/kg b.w. Available: 3-month oral rat and 2-year oral rat and dog studies, rat reproduction study. (Food Drug Research Lab. 1964). Needed: specification and mutagenicity studies.	PO,PS	+	
45560	-	CRISTOBALITE		3	Inert material.		+	+
45600	03724-65-0	*CROTONIC ACID		6A	Needed: 90-day oral study, mutagenicity studies and migration data. (SCF, 17th Series, 1986).	PVC/Same 14800	+	
45610		*CROTONIC ACID-VINYL ACETATE, COPOLYMER		9			+	
45630	37953-05-2	*CUMENESULPHONIC ACID		9				+
45670	00461-58-5	CYANOGUANIDINE		-			+	+
45680	-	*CYCLOALKANES (0-100 DEGREES CELSIUS)		9		PO,PS	+	
45690	00291-64-5	*CYCLOHEPTANE		8			+	
45700	00110-82-7	*CYCLOHEXANE		8			+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
45710	00108-93-0	*CYCLOHEXANOL		8		Same 14905	+	+
45720	00108-94-1	*CYCLOHEXANONE		6A	See references for the same substance in monomer report.	Same 14910		+
45730	25054-06-2	*CYCLOHEXANONE-FORMALDEHYDE, COPOLYMER (M.W. 600-610)		9				+
45760	00108-91-8	CYCLOHEXYLAMINE		2	TDI: 1 mg/kg b.w. calculated with reference to the ADI for cyclamic acid of 11 mg/kg b.w. (JECFA 26 M., 1982).	PA	+	
45840	-	*CYCLOPENTADIENE-CYCLOPENTENE-DICYCLOPENTADIENE-2-PENTENE-2-METHYL-2-BUTENE-1,3-PENTADIENE, COPOLYMERS, HYDROGENATED OR NOT		9			+	
45880	00287-92-3	*CYCLOPENTANE		8			+	
45920	09000-16-2	DAMAR		3	Natural wax. Purity to be specified.	SCF: Spec(P)	+	
45925	09000-16-2	DAMAR RESIN		D		Same 55920	+	
45930	09000-16-2	DAMAR WAX		D		Same 55920	+	
45940	00334-48-5	n-DECANOIC ACID		0	Food constituent.	Same 15095/S1(30620)	+	
45950	07492-58-2	*n-DECANOIC ACID, CERIUM SALT		P	LO for n-decanoic acid. Postponed for Ce.			+
45960	10139-54-5	n-DECANOIC ACID, COBALT SALT		3	L3 for Cobalt. R: 0.05 mg/kg of food. (RIVM, summary data, October 1992)(CS/PM/1707). LO for n-decanoic acid.			+
45970	20336-95-2	n-DECANOIC ACID, LITHIUM SALT		2	LO for n-decanoic acid. Group TDI: 0.01 mg/kg b.w. (as li) See references for 38000 in list 2 in this report.	Cov.by 31120		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
45980	10139-57-8	n-DECANOIC ACID, MANGANESE SALT		2	LO for n-decanoic. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180.	Cov.by 31120		+
45985		*DECANOIC ACID, SALTS		9				+
46000		See 46070		D			+	+
46050	00112-30-1	1-DECANOL		3	See references for "Alcohols, aliphatic, monohydric, linear, primary (C4-C22)" in monomer report.	Same 15100		+
46070	10016-20-3	alpha-DEXTRIN		0			+	+
46080	07585-39-9	beta-DEXTRIN		0			+	+
46160	-	*DIALKYL OR ALKYL (MORE THAN C8) PHOSPHATE		9		CA,PAM	+	
46180		*DIALKYL(C1-C18)DIPOLYETHYLENEGLYCOL(4-14)AMMONIUM CHLORIDE		9				+
46240	-	*DIALKYLDITHIOCARBAMIC ACID, SALTS		9			+	
46320	-	*DIALKYL(C8-C20)KETONES		9			+	
46350	68002-26-6	*2,4-DIAMINO-6-PHENYL-1,3,5-TRIAZINE-FORMALDEHYDE, COPOLYMER, BUTYLATED		9				+
46375	-	DIATOMACEOUS EARTH		3	Inert material.	Same 62880	+	+
46400	00120-78-5	*DIBENZOTHIAZYL DISULPHIDE		8		PVC	+	
46440	00094-36-0	*DIBENZOYL PEROXIDE		8		ABS,PAM,PO,PPO,PS,PVA,PVC,PVCC,PVDC,UP	+	
46480	32647-67-9	DIBENZYLIDENE SORBITOL		2	Group TDI: 1 mg/kg b.w. (with bis(4-ethylbenzylidene)sorbitol and bis(methylbenzylidene) sorbitol). Several 90-day oral mouse and rat studies, several mutagenicity studies negative. See references for		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					bis(4-ethylbenzylidene) sorbitol.			
46560	00106-93-4	1,2-DIBROMOETHANE		5		PS	+	
46640	00128-37-0	2,6-DI-tert-BUTYL-p-CRESOL (=BHT)		1	ADI: 0.05 mg/kg b.w. (SCF, 22th Series, 1989).		+	
46720	04130-42-1	*2,6-DI-tert-BUTYL-4-ETHYLPHENOL		7	Available: 3 negative mutagenicity studies, 90-day oral rat study (CS/PM/2011) Needed: bioaccumulation, usage, physico-chemical and migration data, analytical method.	PE	+	
46800	67845-93-6	3,5-DI-tert-BUTYL-4-HYDROXYBENZOIC ACID, HEXADECYL ESTER		2	TDI: 2.5 mg/kg b.w. 90-day oral rat and dog studies, reproduction study in rats, mutagenicity studies. (RIVM doc. 88/678608/001, 1 November 1988).	PE,PP	+	
46880	65140-91-2	3,5-DI-tert-BUTYL-4-HYDROXYBENZYLPHOSPHONIC ACID, MONOETHYL ESTER, CALCIUM SALT		2	TDI: 0.1 mg/kg b.w. A 4+4 week, a 13+4 week and a two year oral rat studies. (Ciba-Geigy reports CBG 174/78110, 10-07-1978 and CBG 192/781233, 22-03-1979, CBG 261/821163, 4 April 1984).	PO	+	+
46960	30947-30-9	*3,5-DI-tert-BUTYL-4-HYDROXYBENZYLPHOSPHONIC ACID, MONOETHYL ESTER, NICKEL SALT		8		PO,PVC	+	
47040	34137-09-2	*3,5-DI-tert-BUTYL-4-HYDROXYHYDROCINNAMIC ACID, TRIESTER WITH 1,3,5-TRIS(2-HYDROXYETHYL)-1,3,5-TRIAZINE-2,4,6-(1H,3H,5H)TRIONE		8	Available: 90-day oral rat and dog studies and a reproduction study were inadequate.	PO	+	
47080	00110-05-4	*DI-tert-BUTYL PEROXIDE		8		ABS,PA,PAM,PO,PS,PVA,PVDC,UP	+	
47120	50696-71-4	*DI(tert-BUTYLPHENOL) DISULPHIDE		8		PVE	+	
47200	04221-80-1	2,4-DI-tert-BUTYLPHENYL 3,5-DI-tert-BUTYL-4- HYDROXYBENZOATE		2	TDI: 2 mg/kg b.w. 90-day oral rat study. (RIVM report May 1973).	PO/Change name?	+	+
47220	00077-58-7	*DIBUTYLTINDILAURATE		8				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
47240		*DIBUTYL TITANATE		8				+
47250		*N-1,2-DICARBOXYETHYL-N'-OCTADECYL-SULPHOSUCCINAMIDE, SALTS		8				+
47265	00095-50-1	*1,2-DICHLOROBENZENE		7	Available data: 3-month oral mouse study, oral carcinogenicity study in mice and rats. Ames test negative, mouse micronucleus positive. (RIVM Criteria doc. 710401005, April 1991). Needed : Migration data.			+
47280	02782-57-2	*DICHLOROCYANURIC ACID		Dx	Postponed. waiting for an answer to the circular letter from EEC (CS/PM/324) asking informations on technological function of the substance. Date limit: 30.6.90.	DSP	+	+
47360	00075-71-8	*DICHLORODIFLUOROMETHANE		7	Needed: migration data and specifications.		+	+
47440	00461-58-5	DICYANODIAMIDE		2	TDI: 1 mg/kg b.w. 2-year oral rat and dog studies and Ames tests. (American Cyanamid report 1969).	POM	+	+
47520	-	*DICYCLOPENTADIENE-INDENE-STYRENE-alpha. METHYLSTYRENE-VINYLTOLUENE-ISOBUTYLENE, COPOLYMER, HYDROGENATED		7-P	Available: 3 negative mutagenicity studies, 90-day oral rat study inadequate migration data (CS/PM/2008). Needed: in first instance evidence of absence of bioaccumulation, further migration data.		+	
47535	07173-51-5	*DIDECYLDIMETHYLAMMONIUM CHLORIDE		W8		New subst.	+	
47550	02123-19-5	*DIDODECYL KETONE		8		PVDC	+	+
47600	84030-61-5	DI-n-DODECYLTIN BIS(ISOOCTYL MERCAPTOACETATE)		2	TDI: 0.2 mg/kg b.w. 10- and 90-day oral rat studies, mutagenicity tests. (RIVM report 02-04-1990).	PVC	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
47610		*DIETHANOLAMIDES OF FATTY ACIDS		9				+
47620	00111-42-2	*DIETHANOLAMINE		W8	Data inadequate. Restriction: contact with nitrite containing food should be avoided.	PO,PVC/New subst./Same 15735	+	
47630	00143-00-0	DIETHANOLAMINE DODECYL SULPHATE		D		Same 52400	+	
47640		*DIETHANOLAMINE SALTS OF MONO- AND BIS(1H,1H,2H,2H-PERFLUORO-ALKYL,C8-C18) PHOSPHATES		9				+
47660	27027-16-3	*3-DIETHYLAMINOETHYL METHACRYLATE-METHYL METHACRYLATE, COPOLYMER		D		POM	+	
47680	00111-46-6	DIETHYLENEGLYCOL		2	Group TDI: 0.5 mg/kg b.w. (SCF, 17th Series, 1986).	Same 15760	+	+
47760	21209-30-3	*DIETHYLENEGLYCOL DIOLEATE		7	Needed: hydrolysis data.		+	
47840	68818-39-3	*DIETHYLENEGLYCOL DIPALMITATE		7	Needed: hydrolysis data.		+	
47920	74356-18-6	*DIETHYLENEGLYCOL DIRICINOLEATE		7	Needed: hydrolysis data.		+	
48000	00109-30-8	*DIETHYLENEGLYCOL DISTEARATE		7	Needed: hydrolysis data.		+	+
48020		*DIETHYLENEGLYCOL MONOALKYL(C1-C4) ETHER ACETATE		9				+
48030	00112-34-5	DIETHYLENEGLYCOL MONOBUTYL ETHER		2	Group t-TDI: 0.05 mg/kg b.w. See references for 16996.			+
48040		*DIETHYLENEGLYCOL MONO- AND DIALKYL(C1-C4) ETHER		9				+
48050	00111-90-0	DIETHYLENEGLYCOL MONOETHYL ETHER		2	Group t-TDI: 0.05 mg/kg b.w. See references for the same substance in monomer report.	Same 15780		+
48065	00141-20-8	*DIETHYLENEGLYCOL MONOLAURATE		7	Needed : hydrolysis data.			+
48080	00106-12-7	*DIETHYLENEGLYCOL MONOOLEATE		7	Needed: hydrolysis data.		+	
48160	36381-62-1	*DIETHYLENEGLYCOL MONOPALMITATE		7	Needed: hydrolysis data.		+	
48240	05401-17-2	*DIETHYLENEGLYCOL MONORICINOLEATE		7	Needed: hydrolysis data.		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
48320	00106-11-6	*DIETHYLENEGLYCOL MONOSTEARATE		7	Needed: hydrolysis data.		+	+
48340		*DIETHYLENETRIAMINEPENTAACETIC ACID, SODIUM SALTS		8				+
48370	00100-37-8	*DIETHYLETHANOLAMINE		8				+
48400	00100-37-8	*DIETHYLHYDROXYETHYLAMINE		D		PTFE,PUR/Same 48370	+	+
48430	04402-32-8	*N,N-DIETHYLISOPROPANOLAMINE		8				+
48450	00104-78-9	*N,N-DIETHYL-1,3-PROPANEDIAMINE		W8		New subst.		+
48470	29658-26-2	*4,4'-DIFLUOROBENZOPHENONE-HYDROQUINONE, COPOLYMER		9		S1(76940)	+	
48480	59113-36-9	*DIGLYCEROL		8		PVC	+	+
48500	00504-53-0	*DI-n-HEPTADECYL KETONE		8		S1(46320)	+	
48520	22986-69-2	*DI-n-HEXADECYL KETONE		8		S1(46320)	+	
48560	36265-41-5	*1,4-DIHYDRO-2,6-DIMETHYL-3,5-DICARBODODECYLOXYPYRIDINE		8	Available: oral studies in rats and dogs were inappropriate.	PVC	+	+
48590	86088-85-9	*4,5-DIHYDRO-1-METHYL-2-NORTALLOW ALKYL-3-(2-TALLOW AMIDOETHYL)-IMIDAZOLIUM, METHYL SULPHATE		W8		New subst.	+	
48620	00123-31-9	1,4-DIHYDROXYBENZENE		2	TDI: 0.01 mg/kg b.w. (SCF, 17th Series, 1986).	Same 15940	+	+
48640	00131-56-6	2,4-DIHYDROXYBENZOPHENONE		2	Group TDI: 0.1 mg/kg b.w. (with 4,4'-dihydroxybenzophenone, 2,2'-dihydroxy-4-methoxybenzophenone, 2-hydroxy-4-n-hexoxybenzophenone, 2-hydroxy-4-n-hexoxybenzophenone,2-hydroxy-4-n-octoxybenzophenone. 90-day oral rat studies for 2,2'-dihydroxy-4-methoxybenzophenone, 2-hydroxy-4-methoxybenzophenone, 2-hydroxy-4-n-octyloxybenzophen		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					one, a 18-week oral dog study for 2-hydroxy-4-n-octyloxybenzophen oneand 2-year rat and dog studies for 2-hydroxy-4-n-octyloxybenzophen one,a reproduction study for 2-hydroxy-4-n-octyloxybenzophen one plus metabolism. (J. Occup. Med. 1969, 11, 703, Food Cosm. Tox. 1972, 10, 41-50, RIVM report October 1972).			
48720	00611-99-4	4,4'-DIHYDROXYBENZOPHENONE		2	Group TDI: 0.1 mg/kg b.w. See references for 2,4-dihydroxybenzophenone in list 2.	Same 15970	+	
48760	00092-88-6	4,4'-DIHYDROXYBIPHENYL		2	TDI: 0.1 mg/kg. See references for the same compound in monomer report.	Same 16000		+
48800	00097-23-4	2,2'-DIHYDROXY-5,5'-DICHLORODIPHENYLMETH ANE		2	TDI: 0.2 mg/kg b.w. 2-week and 13-week oral rat studies and observations in man from its therapeutic use. (J. Am. Leather. Chemists Assoc. 1944, 39, 203-209; J. Pharmacol. Exper. Therap. 1949, 96, 238-249).		+	
48840	83982-25-6	*1,6-DIHYDROXY-2,5-HEXANEDIONE		8				+
48880	00131-53-3	2,2'-DIHYDROXY-4-METHOXYBENZOPHENONE		2	Group TDI: 0.1 mg/kg b.w. See references for 2,4-dihydroxy-benzophenone.		+	+
48960	00120-87-6	*9,10-DIHYDROXYSTEARIC ACID		8		PVC	+	
49040	01115-01-1	*9,10-DIHYDROXYSTEARIC ACID, METHYL ESTER		8			+	
49050	00108-83-8	*DIISOBUTYL KETONE		8	Available: no adequate oral data, Ames test.		+	+
49065	00110-97-4	*DIISOPROPANOLAMINE		8	R: contact with food containing nitrite should be avoided.	PUR/Same 16120	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
49120	03271-22-5	*2,4-DIMETHOXY-6-(1-PYRENYL)-1,3,5-TRIAZINE		7	Needed: information on tissue accumulation.		+	+
49160	00127-19-5	*DIMETHYLACETAMIDE		6B	Suspected embryotoxicity/teratogenicity.		+	+
49200	-	*DIMETHYLALKYL(C8-C18)BENZYLAMMONIUM CHLORIDE		9	Existing data are not available to the SCF. Provide them.		+	
49202	68391-01-5	*DIMETHYLALKYL(C12-C18)BENZYLAMMONIUM CHLORIDE		9		S1(49200)	+	
49225	00124-40-3	DIMETHYLAMINE		3	Same references for the same substance in monomer list.	Same 16145		+
49235	00108-01-0	DIMETHYLAMINETHANOL		2	See references for same substance in monomer report.	Same 16150		+
49260	25338-55-0	*[(DIMETHYLAMINO)METHYL]PHENOL		8				+
49270	00099-07-0	*3-(DIMETHYLAMINO)PHENOL		8				+
49280	00121-69-7	*N,N-DIMETHYLANILINE		8			+	
49320	00103-83-3	*N,N-DIMETHYLBENZYLAMINE		8				+
49330	01879-09-0	*2,4-DIMETHYL-6-tert.-BUTYLPHENOL		8			+	
49340	61789-71-7	*DIMETHYL(COCOALKYL)BENZYLAMMONIUM CHLORIDE		9	Existing data are not available to the SCF. Provide them.	S1(49200)	+	
49360	-	*DIMETHYLDIALKYL(C8-C18)AMMONIUM CHLORIDE		9		PO	+	+
49380	00109-55-7	*N,N'-DIMETHYL-1,3-DIAMINOPROPANE		8				+
49425	00137-30-4	DIMETHYLDITHIOCARBAMIC ACID, ZINC SALT		2	ADI: 0.02 mg/kg bw. (JECFA, 24M, 1980).			+
49465	00068-12-2	*DIMETHYLFORMAMIDE		6B	Suspected of embryotoxicity/teratogenicity. (EHC 114).		+	+
49472	95009-13-5	*N,N-DIMETHYL-2-HYDROXY-N-(2-HYDROXYPROPYL)-1-PROPANAMINIUM, DIESTER WITH VEGETABLE OIL FATTY ACIDS METHYL SULPHATE		W8		New subst.	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
49480	00930-61-0	*2,4-DIMETHYL-2-IMIDAZOLINE		8				+
49510		*Alpha,omega-DIMETHYLPOLY(o-BUTYL(POLYPROPYLENEGLYCOL)(POLYETHYLENEGLYCOL)(POLYDIMETHYLSILOXANE)		9				+
49520		See 49580		D			+	
49525		DIMETHYLPOLYSILOXANES		1	ADI: 1.5 mg/Kg bw. (JECFA 18th report, 1971).	Changed 49525/0-->49525		+
49525/1		*DIMETHYLPOLYSILOXANES		D		Same 49525		+
49540	00067-68-5	DIMETHYL SULPHOXIDE		3	DMSO is used as carrier of drugs to facilitate skin penetration.	PES/Same 16410	+	
49560	00533-74-4	*3,5-DIMETHYL-1,3,5,2H-TETRAHYDROTHIADIAZINE-2-THIONE		8	Data exist (but confidential!).	Give existing data!		+
49580	29351-51-7	*DIMETHYLTHIANTHRENE		8		PVC	+	
49600	26636-01-1	DIMETHYLTIN BIS(ISOOCTYL MERCAPTOACETATE)		2-P	Group t-TDI: 0.003 mg/kg b.w. (as Sn) (with monomethyltin tris(isooctyl mercaptoacetate). Available: 28-day and two 3-month oral rat studies, several mutagenicity studies, one positive. RIVM doc. 02.02.1988 and April 1991). Needed: in vivo liver unscheduled DNA synthesis test and bioaccumulation.	PVC,PVCC	+	+
49680	00093-46-9	*N,N'-DI-(2-NAPHTHYL)-p-PHENYLENEDIAMINE		7	Needed: purity specification especially on presence of beta-naphthylamine	PO,PS	+	
49720	-	2,4-DINONYLPHENYL BIS-(4-MONONONYLPHENYL) PHOSPHITE		D		Cov.by 74400	+	
49760	03135-18-0	DI-n-OCTADECYL 3,5-DI-tert-BUTYL-4-HYDROXYBENZYL PHOSPHONATE		2	TDI: 1 mg/kg b.w. A 90-day oral rat study. (Ciba-Geigy report 14 February 1970).		+	
49840	02500-88-1	DIOCTADECYL DISULPHIDE		2	TDI: 0.05 mg/kg b.w.	PP,PMMA	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					A 90-day oral rat study. (Hoechst report 1967).			
49920	20297-71-6	*DIOCTADECYL 3-METHYL-4-HYDROXY-5-tert-BUTYL BENZYLMALONATE		8			+	+
50000	01844-09-3	*DIOCTADECYL MONOSULPHIDE		8		PO	+	
50080	03806-34-6	*DIOCTADECYL PENTAERYTHRITOL DIPHOSPHITE		8	Data according to SCF guidelines and neurotoxicity.		+	+
50160	-	DI-n-OCTYLTIN BIS(n-ALKYL(C10-C16) MERCAPTO ACETATE)		2	Group t-TDI: 0.0003 (as Sn) for all di-n-octyltin derivatives. See references for 50480.	PVC	+	+
50240	10039-33-5	DI-n-OCTYLTIN BIS(2-ETHYLHEXYL MALEATE)		2	Group t-TDI: 0.0003 (as Sn) for all di-n-octyltin derivatives. See references for 50480.	PVC	+	+
50320	15571-58-1	DI-n-OCTYLTIN BIS(2-ETHYLHEXYL MERCAPTOACETATE)		2	Group t-TDI= 0.0003 mg/kg bw (as Sn) for all di-n-octyltin derivatives. See references for 50480.	PMMA/PVC	+	+
50360	-	DI-n-OCTYLTIN BIS(ETHYL MALEATE)		2	Group t-TDI = 0.0003 mg/kg b.w. (as Sn) for all di-n-octyltin derivatives. See references for 50480.	PVC	+	+
50400	33568-99-9	DI-n-OCTYLTIN BIS(ISOOCTYL MALEATE)		2	Group t-TDI: 0.0003 mg/kg bw (as Sn) for all di-n-octyltin derivatives. See references for 50480.	PVC	+	
50480	26401-97-8	DI-n-OCTYLTIN BIS(ISOOCTYL MERCAPTOACETATE)		2	Group t-TDI: 0.0003 mg/kg b.w. (as Sn). Available: several oral short term and semichronic studies in rats and dogs and 2-year rat studies, several mutagenicity studies in vitro and in vivo, insufficient reproduction and teratogenicity studies. (RIVM report, May 1989). Needed: reproduction and teratogenicity studies.	PVC,PVCC	+	+
50560	-	DI-n-OCTYLTIN 1,4-BUTANEDIOL		2	Group t_TDI: 0.0003 mg/kg bw.	PMMA,PVC	+	+

PM/REF. N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		BIS(MERCAPTOACETATE)			(as Sn) for all di-n-octyltin derivatives. See references for 50480.			
50640	03648-18-8	DI-n-OCTYLTIN DILAURATE		2	Group t-TDI: 0.0003 mg/kg bw (as tin) for all di-n-octyltin derivatives. See references for 50480.		+	
50720	15571-60-5	DI-n-OCTYLTIN DIMALEATE		2	Group t-TDI: 0.0003 mg/kg bw (as Sn) for all di-n-octyltin derivatives. See references for 50480.	PVC	+	
50800	-	DI-n-OCTYLTIN DIMALEATE, ESTERIFIED		2	Group t-TDI: 0.0003 mg/kg bw (as Sn) for all di-n-octyltin derivatives. See references for 50480.	PVC	+	
50880	-	DI-n-OCTYLTIN DIMALEATE, POLYMERS (N=2-4)		2	Group t-TDI: 0.0003 mg/kg bw. (as Sn) for all di-n-octyltin derivatives. See references for 50480.	PVC	+	
50960	69226-44-4	DI-n-OCTYLTIN ETHYLENEGLYCOL BIS(MERCAPTOACETATE)		2	Group t-TDI: 0.0003 mg/kg bw (as Sn) for all di-n-octyltin derivatives. See references for 50480.	PMMA,PVC	+	
51040	15535-79-2	DI-n-OCTYLTIN MERCAPTOACETATE		2	Group t-TDI: 0.0003 mg/kg bw (as Sn) for all di-n-octyltin derivatives. See references for 50480.	PVC	+	
51120	-	DI-n-OCTYLTIN THIOBENZOATE 2-ETHYLHEXYL MERCAPTOACETATE		2	Group t-TDI: 0.0003 mg/kg bw (as Sn) for all di-n-octyltin derivatives. See references for 50480.	PVC	+	+
51160	00123-91-1	*DIOXANE		8		PS/Same 16420	+	
51200	00126-58-9	DIPENTAERYTHRITOL		2	Group TDI: 1 mg/kg b.w. (with pentaerythritol). (SCF, 17th Series, 1986).	PVC/Same 16480	+	+
51300	00138-86-3	*DIPENTENE		8	Data made available for assessment of chewing gum not available for this group.	PS/Same 16510	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
51320	00079-74-3	*2,5-DI-tert-PENTYLHYDROQUINONE		8				+
51360	68442-68-2	*DIPHENYLAMINE, STYRENATED		9				+
51420	00102-09-0	*DIPHENYL CARBONATE		8		Same 16540		+
51440	15647-08-2	*DIPHENYL 2-ETHYLHEXYL PHOSPHITE		8		PVC	+	
51470	07144-65-2	*o-DIPHENYL GLYCIDYL ETHER		6A			+	+
51500	00102-06-7	DIPHENYLGUANIDINE		D			+	
51520	26401-27-4	*DIPHENYL ISOOCTYL PHOSPHITE		8		PVC	+	
51570	00127-63-9	*DIPHENYL SULPHONE		8		PES/Same 16650	+	+
51600	03375-11-9	*DIPHENYLSULPHONE-3,3'-DISULPHONYLHYDRAZIDE		6A		Same "3,3'-Sulph.."	+	
51680	00102-08-9	N,N'-DIPHENYLTHIOUREA		2	TDI: 0.05 mg/kg b.w. 28-day, 1-year and 2-year oral rat studies. (RIVM January 1967 and May 1973).	PVC,PVDC	+	+
51760	25265-71-8 and 110-98-5	DIPROPYLENEGLYCOL		2	Group TDI: 1,5 mg/kg b.w. (SCF, 17th Series, 1986).	Same 16660	+	+
51840	27138-31-4	*DIPROPYLENEGLYCOL DIBENZOATE		7	Available: 3 month oral rat and dog studies, metabolism, Ames test and migration data. (RIVM 06-09-88; Velsicol 14-09-1988). Needed: 3 month oral rat study chromosome aberration in vitro, gene mutation in mammalian cells.	NC,PVC	+	
51870	34590-94-8	*DIPROPYLENEGLYCOL MONOMETHYL ETHER		8	Data inadequate.	Same 16670		+
51900	28519-02-0	*DISODIUM DODECYL DIPHENYLETHER DISULPHONATE		8/D		Same 52240	+	+
51920	07558-79-4	DISODIUM HYDROGEN PHOSPHATE		D		Cov.by 72640	+	
51940	00540-09-0	*DIUNDECYL KETONE		8		S1(46320)	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
51950	-	*DIURETHANS ARISING FROM HEXAMETHYLENE DIISOCYANATE AND ALCOHOLS ALIPH., MONOH., SAT. (C2-C20)		9			+	
51975	00112-53-8	1-DODECANOL		3	See references for the same substance in monomer list.	Same 16701		+
51985	09002-92-0	*alpha-n-DODECANOL-omega-HYDROXYPOLY(OXY ETHYLENE)		9/D		Same 77480	+	
52000	27176-87-0	DODECYLBENZENESULPHONIC ACID		2	TDI: 0.5 mg/kg b.w. Two 2-year oral rat studies, mutagenicity studies. (RIVM Summary report March 1965).		+	+
52080	26264-05-1	*DODECYLBENZENESULPHONIC ACID, ISOPROPYLAMINE SALT		8			+	
52160	25155-30-0	DODECYLBENZENESULPHONIC ACID, SODIUM SALT		D		A/Cov.by 52000	+	
52220	27193-86-6	*DODECYLPHENOL		9				+
52240	28519-02-0	*DODECYLPHENOXYBENZENEDISULPHONIC ACID, DISODIUM SALT		8			+	+
52320	52047-59-3	2-(4-DODECYLPHENYL)INDOLE		2	TDI: 0.001 mg/kg b.w. A 90-day oral rat study. (Inst. f. Biol. Forsch. Koln, report 1976).	PVC	+	+
52400	00143-00-0	*DODECYLSULPHURIC ACID, DIETHANOLAMINE SALT		7	Needed: migration data and eventually toxicity data on dodecylsulphate and diethanolamine.		+	
52480	04722-98-9	*DODECYLSULPHURIC ACID, MONOETHANOLAMINE SALT		7	Needed: migration data and eventually toxicity data on dodecylsulphate and monoethanolamine.		+	
52560	-	*DODECYLSULPHURIC ACID, SALTS		7	Needed: migration data in first instance.		+	+
52640	16389-88-1	DOLOMITE		3	Inert material. Purity to be specified.	SCF:Spec(P)	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
52650	00112-79-8	*ELAIDIC ACID		8		S1(30620)	+	
52660		*EPICHLOROHYDRIN-POLYAMIDE, COPOLYMER		9			+	+
52670		*EPICHLOROHYDRIN-POLYAMINE, COPOLYMER		9				+
52685	02530-83-8	*[3-(2,3-EPOXYPROPOXY)PROPYL]TRIMETHOXYSILANE		6A				+
52700	29564-58-7	*2,3-EPOXYPROPYL METHACRYLATE-METHYL METHACRYLATE- STYRENE, COPOLYMERS		9			+	+
52720	00112-84-5	*ERUCAMIDE		7	Available: Ames test negative and migration data. (Rivm doc. 1990-09-12). Hydrolysis < 95% (doc. CS/PM/1023). Needed: 90-day oral study, gene mutation and chromosome aberration in mammalian cells, bioaccumulation; to be performed with erucamide, oleamide or stearamide or demonstrate full hydrolysis by method suggested by applicant (CS/PM/1550).		+	+
52730	00112-86-7	ERUCIC ACID		3	Occurs in small amounts in some vegetable oils.	S1(30620)	+	
52760	08022-48-8	*ESPARTO		9				+
52780		*ESTERS OF 12-HYDROXYSTEARIC AND STEARIC ACID WITH C20-GUERBET ALCOHOLS		W9		New subst.	+	
52800	00064-17-5	ETHANOL		1	Acceptable. (SCF, 11th Series, 1981).	Same 16780	+	+
52880	23676-09-7	4-ETHOXYBENZOIC ACID, ETHYL ESTER		2	t-TDI: 0.06 mg/kg b.w. Available: 28-days oral rat study and 3 mutagenicity tests. (RIVM, 17th March 1987). Needed: 90-day oral study.	PO	+	
52960	35001-51-5	*2-ETHOXY-5-tert-BUTYL-2'-ETHYL-4'-tert-BUTYLOXALIC ACID BISANILIDE		8		PO	+	
53040	35001-52-6	*2-ETHOXY-5-tert-BUTYL-2'-ETHYLOXALIC		8		PO	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		ACID BISANILIDE (=2-ETHOXY-5-tert-BUTYL-2'-ETHYLOXANILIDE)						
53080	-	*ETHOXYCARBONYLMETHYL DIETHYLPHOSPHONATE		7	Available: migration data, 4-week oral rat study, 2 mutagenicity studies negative. Needed: 90-day oral study, gene mutation in mammalian cells. (cs/pm/1709)	PET	+	
53120	65816-20-8	*N-(4-ETHOXYCARBONYLPHENYL)-N'ETHYL-N'-PHENYLFORMAMIDINE		W		A/New subst.	+	
53200	23949-66-8	2-ETHOXY-2'-ETHYLOXANILIDE		2	TDI: 0.5 mg/kg b.w. 90-day and 2-year oral rat studies. (Sandoz reports 1973 and 1975).	PAM,PVC	+	+
53215	01569-02-4	*1-ETHOXY-2-PROPANOL		8				+
53230		*ETHYL ACRYLATE-ETHYLENE-METHYL ACRYLATE-METHYL METHACRYLATE-VINYL ACETATE AND/OR VINYL BENZOATE, COPOLYMERS		9		PO	+	
53240	72275-83-3	*ETHYL ACRYLATE-METHACRYLIC ACID-POLY(ETHYLENEGLYCOL)-LAURYL METHACRYLATE ETHER, TERPOLYMER		W-P	Data available for 5344	New subst.	+	
53255	00100-41-4	ETHYLBENZENE		3	R: 0.6 mg/kg of food. Available: 6-month rat inhalation study, mutagenicity studies, TDI=0.1 mg/kg bw. Based on allowing 1/10 of TDI for packaging.	PS	+	+
53270	37205-99-5	ETHYLCARBOXYMETHYLCELLULOSE		2	Group TDI: not specified based on group ADI (=not specified) for certain modified celluloses. (JECFA 35 M., 1989).			+
53280	09004-57-3	ETHYLCELLULOSE		2	Group TDI: not specified based on Group ADI (=not specified) for certain modified celluloses. (JECFA 35M., 1989).		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
53310		*ETHYLENE-ACRYLIC ACID AND/OR MALEIC ANHYDRIDE AND/OR VINYL ACETATE, COPOLYMERS		9		PA,PO,PS,PVC	+	
53330	00123-26-2	*N,N'-ETHYLENEBIS(12-HYDROXYSTEARAMIDE)		8				+
53360	00110-31-6	N,N'-ETHYLENEBISOLEAMIDE		3	Chemically similar to 53520 in list 3.		+	+
53440	05518-18-3	N,N'-ETHYLENEBISPALMITAMIDE		3	90-day oral monkey study. Chemically similar to N'N-ethylene bisstearammide.		+	+
53520	00110-30-5	N,N'-ETHYLENEBISSTEARAMIDE		3	Two inadequate 2-year oral rat studies and low migration (Hoechst report 13/05, 1963).		+	+
53540	00107-15-3	ETHYLENEDIAMINE		2	TDI: 0.2 mg/kg b.w. Two 90-day oral rat studies. (ICI report, April 1975).	Same 16960		+
53570	27014-42-2 25214-63-5	*ETHYLENEDIAMINE-ETHYLENE OXIDE AND/OR PROPYLENE OXIDE, COPOLYMER		9		Add 3 CAS N=26316- 40-5	+	+
53600	00060-00-4	ETHYLENEDIAMINETETRAACETIC ACID		2	TDI: 2.5 mg/kg b.w. as calcium disodium salt on the basis of JECFA ADI for calcium disodium EDTA. (JECFA 17 M., 1973; SCF 4th Series, 1977)	PAM,PO,PS,PVDC	+	+
53610	54453-03-1	ETHYLENEDIAMINETETRAACETIC ACID, COPPER SALT		2	Group TDI: 0.5 (as Cu) on the basis of JECFA ADI for calcium disodium EDTA 2.5 and PMTDI for copper 0.5. (JECFA 26 M., 1982 for copper; SCF, 4th Series, 1977 for calcium EDTA).	PA	+	
53630		*ETHYLENEDIAMINE-BUTYLENE OXIDE COPOLYMER		9				+
53650	00107-21-1	ETHYLENEGLYCOL		2	Group TDI : 0.5 mg/kg b.w. (with diethyleneglycol). (SCF, 17th Series, 1986).	Same 16990	+	+
53670	32509-66-3	ETHYLENEGLYCOL BIS (3,3-BIS(3-tert-BUTYL-4-HYDRO		2	t-TDI: 0.1 mg/kg b.w. 90-day oral dog and 16 weeks		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		XYPHENYL)BUTYRATE)			oral rat (after in utero exposure) and a 2-year oral dog study. (RIVM, report 300/197, December 1980, CS/PM/1048).			
53680		See 53610		D			+	
53685	00624-04-4	ETHYLENEGLYCOL DILAURATE		D		Same 63360	+	
53700		*ETHYLENEGLYCOL-METHYLSILOXANE, COPOLYMER		9				+
53720		*ETHYLENEGLYCOL MONOALKYL(C1-C4) ETHER ACETATE		9				+
53760		See 53670		D			+	+
53765	00111-76-2	ETHYLENEGLYCOL MONOBUTYL ETHER		2	Group t-TDI : 0.05 mg/kg bw. See references for 16996.	MF,PF,UF/Same 16993		+
53800		*ETHYLENEGLYCOL MONO- AND DIALKYL(C1-C4) ETHER		9				+
53820	00110-80-5	ETHYLENEGLYCOL MONOETHYL ETHER		2	Group t-TDI: 0.05 mg/kg bw. See references for 16996.	Same 16996	+	+
53840		See 54005		D			+	
53845	04219-48-1	ETHYLENEGLYCOL MONOLAURATE		D		Same 63440	+	
53860	00109-86-4	*ETHYLENEGLYCOL MONOMETHYL ETHER		P	To be re-evaluated.		+	+
53900	50586-59-9	*ETHYLENEGLYCOL-TRIMETHYLOLPROPANE, COPOLYMER		9			+	
53920		See 54120		D			+	
53930	25038-37-3	*ETHYLENE-1,4-HEXADIENE-PROPYLENE, COPOLYMER		9			+	
53950	00151-56-4	ETHYLENEIMINE		4	See references for same substance in monomer report.	Same 17005	+	
53970		*ETHYLENE-MALEIC ANHYDRIDE, COPOLYMER		9		PE	+	
53985	-	*ETHYLENE OXIDE-VINYLPYRROLIDONE, COPOLYMER		9			+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
54000		See 54170		D		Same 54170	+	+
54005	05136-44-7	ETHYLENE-N-PALMITAMIDE-N'-STEARAMIDE		3	Chemically similar to 53520 in list 3.	Is not a mixture!	+	
54020		*ETHYLENE-PROPYLENE, COPOLYMER		9		PO	+	
54040		*ETHYLENEUREA-FORMALDEHYDE-ISOPHTHALIC ACID DIAMIDE, COPOLYMER		9		POM	+	
54060		*ETHYLENE-VINYL ACETATE, COPOLYMER		9		PE,PS,PVC,PVCC, PVDC	+	
54080		See "54260"		D		Same 54260	+	+
54085		*ETHYLENE-VINYL BENZOATE, COPOLYMER		9			+	
54100	-	*ETHYLENE-VINYL ESTERS OF SAT., ALIPH., MONOCARB., ACIDS (C2-C18), COPOLYMER		9		A	+	
54120	00149-57-5	*2-ETHYLHEXANOIC ACID		6B	Same reference for the same substance in monomer list.	Same 17040	+	
54130	24593-34-8	*2-ETHYLHEXANOIC ACID, CERIUM SALT		P				+
54140	00136-52-7	*2-ETHYLHEXANOIC ACID, COBALT(II) SALT		P	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707). Postponed for 2-ethylhexanoic acid.	PET	+	
54150	13586-82-8	*2-ETHYLHEXANOIC ACID, COBALT SALT		P	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707). Postponed for 2-ethylhexanoic.			+
54160		See 54300		D			+	
54170	93777-46-9	*2-ETHYLHEXANOIC ACID, DECYL ESTER		P		PS	+	+
54180	15590-62-2	*2-ETHYLHEXANOIC ACID, LITHIUM SALT		P	Postopned for 2-ethylhexanoic acid. Group TDI: 0.01 mg/kg b.w. (as	Cov.by 31120		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					L1). For lithium, see references of 38000 in L2 of this report.			
54190	15956-58-8	*2-ETHYLHEXANOIC ACID, MANGANESE SALT		P	Postponed for 2-ethylhexanoic acid. L2 for the Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.	Cov.by 31120		+
54205		2-ETHYLHEXANOIC ACID, SALTS		D		Cov.by 53920		+
54220	22464-99-9	*2-ETHYLHEXANOIC ACID, ZIRCONIUM SALT		P				+
54235		*2-ETHYLHEXYL ACRYLATE-N-VINYL-N-METHYLACETAMIDE, COPOLYMER		9				+
54240		See 54380		D			+	
54245	-	*2-ETHYLHEXYL MALEATE-VINYL ACETATE COPOLYMER		9			+	
54260	09004-58-4	ETHYLHYDROXYETHYLCELLULOSE		2	Group TDI: not specified based on Group ADI (=not specified) for certain modified celluloses. (JECFA 35 M., 1989).		+	+
54270		ETHYLHYDROXYMETHYLCELLULOSE		2	Group TDI : not specified based on Group ADI (=not specified) for certain modified celluloses. (JECFA, 35 M., 1989).			+
54280		ETHYLHYDROXYPROPYLCELLULOSE		2	Group TDI : not specified based on group ADI (=not specified) for certain modified celluloses. (JECFA, 35 M., 1989).			+
54300	-	2,2'-ETHYLIDENEBIS(4,6-DI-tert-BUTYL PHENYL) FLUOROPHOSPHONITE		2	TDI: 0.1 mg/kg b.w. 3 month oral dog and 3 month combined oral fertility study in rats. Mutagenicity tests negative.		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					(doc. CS/PM/841)			
54320		See "54420"		D		Same 54420	+	
54325	00931-36-2	*2-ETHYL-4-METHYLIMIDAZOLE		8				+
54365	25550-14-5	*ETHYLTOLUENE		8				+
54380	08047-99-2	*N-ETHYLTOLUENESULPHONAMIDE		8			+	
54395	35835-94-0	*ETHYLTRIPHENYLPHOSPHONIUM ACETATE		8				+
54400		See "54450"		D		Same 54450	+	+
54420	00121-32-4	ETHYLVANILLIN (=3-ETHOXY-4-HYDROXYBENZALDEHYDE)		1	ADI : 5 mg/kg b.w. (JECFA 35 M., 1990).		+	
54450	-	FATS AND OILS, FROM ANIMAL OR VEGETABLE FOOD SOURCES		3	Food fat.		+	+
54480	-	FATS AND OILS, HYDROGENATED, FROM ANIMAL OR VEGETABLE FOOD SOURCES		3	Similar to food fats.		+	
54560	08001-85-2	*FATS AND OILS, REFINED, ARISING FROM BONES, WITH UNSAPONIFIABLE MATTER UP TO 1%		9			+	
54640	-	*FATS AND OILS, SULPHATED, DERIVED FROM ANIMAL OR VEGETABLE SOURCES		9			+	
54650	-	*FATS AND OILS, SULPHONATED, DERIVED FROM ANIMAL OR VEGETABLE SOURCES		9		Ex 54270	+	
54670/0	08030-94-2	FATTY ACIDS, SOYA, CERIUM SALTS		D				+
54670/1	08030-94-2	*FATTY ACIDS, SOYA, CERIUM SALTS		P	L3 for fatty acids soya. Constituents of food fats. Postponed for Ce.			+
54675/0		FATTY ACIDS, SOYA, COBALT SALTS		D				+
54675/1		FATTY ACIDS, SOYA, COBALT SALTS		3	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707).			+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					L3 for fatty acids, soya. Constituents of natural fats.			
54680/0		FATTY ACIDS, SOYA (food grade quality), LITHIUM SALTS		D	L3 for fatty acids soya Constituents of natural fats. L2 for the Lithium Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.	Same 54680/1		+
54680/1		FATTY ACIDS, SOYA, LITHIUM SALTS		2-3	L3 for fatty acids, soya. Constituents of natural fats. L2 for the Lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.			+
54685/0		FATTY ACIDS, SOYA (food grade quality), MANGANESE SALTS		D	L3 for fatty acids, soya (food grade quality). Constituents of natural fats. L2 for the Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.			+
54685/1		FATTY ACIDS, SOYA, MANGANESE SALTS		2-3	L3 for fatty acids, soya. Constituents of natural fats. L2 for the Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.			+
54690/0		FATTY ACIDS, SOYA (food grade quality), PROPYLENEGLYCOL MONOESTER		D	L9 for the propyleneglycol ester (1,2 or 1,3 ester?). L3 for fatty acids soya (food grade quality). Constituents of natural fats.	Same 54690/1		+
54690/1		*FATTY ACIDS, SOYA, PROPYLENEGLYCOL MONOESTER		9	L9 for propyleneglycol ester (1,2 or 1,3 ester?)			+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					L3 for fatty acids, soya. Constituents of natural fats.			
54700/0		FATTY ACIDS, SOYA, SALTS		0	L0 for fatty acids soya (food grade quality). L9 for propyleneglycol (1-2 or 1-3 propyleneglycol?).			+
54700/1		*FATTY ACIDS, SOYA, SALTS		9/D				+
54705/0		FATTY ACIDS, SOYA, ZIRCONIUM SALTS		P				+
54705/1		*FATTY ACIDS, SOYA, ZIRCONIUM SALTS		P				+
54710/0	611790-12-3	FATTY ACIDS, TALL OIL (food grade quality),		D	.....			+
54710/1	61790-12-3	FATTY ACIDS, TALL OIL		3		Same 17230		+
54720		See 54650		D			+	
54725/0		FATTY ACIDS, TALL OIL (food grade quality), CERIUM SALTS		D		Same 54725/1		+
54725/1	08030-72-6	*FATTY ACIDS, TALL OIL, CERIUM SALTS		P	L3 for fatty acids, tall oil. Postponed for Ce.			+
54730/0		FATTY ACIDS, TALL OIL (food grade quality), COBALT SALTS		D		Same 54730/1		+
54730/1		FATTY ACIDS, TALL OIL, COBALT SALTS		3	L3 for fatty acids tall oil. L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707).			+
54735/0		FATTY ACIDS, TALL OIL (food grade quality), LITHIUM SALTS		D	L3 for fatty acids tall oil (food grade quality). Constituents of natural fats. L2 for the Lithium.			+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					Group TDI: 0.01 mg/kg b.w. See references for 38000 in L2 in this report.			
54735/1		FATTY ACIDS, TALL OIL, LITHIUM SALTS		2-3	L3 for fatty acids tall oil. L2 for the lithium. Group TDI: 0.01 mg/kg b.w. See references for 38000 in L2 in this report.			+
54740/0		FATTY ACIDS TALL OIL (food grade quality), MANGANESE SALTS		D	L3 for fatty acids, tall oil (food grade quality). Constituents of natural fats. L2 for the Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.	Same 54740/1		+
54740/1	08030-70-4	FATTY ACIDS, TALL OIL, MANGANESE SALTS		2-3	L3 for fatty acids tall oil. L2 for the Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.			+
54750/0		FATTY ACIDS, TALL OIL (food grade quality), ZIRCONIUM SALTS		D		Same 54750/1		+
54750/1		*FATTY ACIDS, TALL OIL, ZIRCONIUM SALTS		P	L3 for fatty acids tall oil.			+
54760	61790-38-3	FATTY ACIDS, TALLOW, HYDROGENATED		3				+
54766	115438-43-2	*FATTY ACIDS, TALLOW, HYDROGENATED, 2-ETHYLHEXYLESTER		9		S1(31200)	+	
54770		*FATTY ACIDS, TALLOW, PROPYLENEGLYCOL MONOESTER		9		Specify:1,2 or 1,3		+
54780		*FATTY ACIDS, TALLOW, SULPHATED		9				+
54785		*FATTY ACIDS, UNSATURATED, C18, DERIVED FROM ANIMAL AND VEGETABLE FATS AND OILS, DIMERS		9				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
54790		*FATTY ACIDS, UNSATURATED, C18, DERIVED FROM ANIMAL AND VEGETABLE FATS AND OILS, TRIMERS		9				+
54795		*FATTY ACIDS, UNSATURATED, C18, DERIVED FROM TALL OIL, DIMERS		9				+
54800		See 54860		D			+	
54805		*FATTY ACIDS, UNSATURATED, C18, DERIVED FROM TALL OIL, TRIMERS		9				+
54820	-	FIBERS, NATURAL, SYNTHETIC OR METALLIC		D		Cov.by other items	+	
54840	07782-41-4	*FLUORINE		W		Blowing agent for fluorinated HDPE	+	
54860	16961-83-4	*FLUOROSILICIC ACID		7	Needed: use levels, migration data.	PO/Ex 54800	+	
54880	00050-00-0	FORMALDEHYDE		3	See references for the same substance in monomer list. (SCF, 17th Series, 1986).	PAM,PVAC/Same 17260	+	+
54900	09017-33-8	*FORMALDEHYDE-NAPHTHALENESULPHONIC ACID, COPOLYMER		9		ABS,PS	+	+
54920	39317-86-7	*FORMALDEHYDE-tert-PENTYLPHENOL, COPOLYMER		9				+
54930	25359-91-5	*FORMALDEHYDE-1-NAPHTHOL, COPOLYMER		9			+	
54940	09003-35-4	*FORMALDEHYDE-PHENOL, COPOLYMER		9				+
54960	01338-51-8 25035-71-6	*FORMALDEHYDE-TOLUENESULPHONAMIDE, COPOLYMER		9			+	+
54970	09003-08-1	*FORMALDEHYDE-2,4,6-TRIAMINO-1,3,5-TRIAZINE, COPOLYMER		9		POM	+	+
54980	68002-25-5	*FORMALDEHYDE-2,4,6-TRIAMINO-1,3,5-TRIAZINE, COPOLYMER, BUTYLATED		9				+
54990	68002-24-4	*FORMALDEHYDE-2,4,6-TRIAMINO-1,3,5-TRIAZINE, COPOLYMER, BUTYLATED, ISOBUTILATED		9				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
55000	68036-97-5	*FORMALDEHYDE-2,4,6-TRIAMINO-1,3,5-TRIAZINE, COPOLYMER, BUTYLATED, METHYLATED		9				+
55010	68002-21-1	*FORMALDEHYDE-2,4,6-TRIAMINO-1,3,5-TRIAZINE, COPOLYMER, ISOBUTYLATED		9				+
55015	68955-24-8	*FORMALDEHYDE-2,4,6-TRIAMINO-1,3,5-TRIAZINE, COPOLYMER, ISOBUTYLATED, METHYLATED		9				+
55025	68002-20-0	*FORMALDEHYDE-2,4,6-TRIAMINO-1,3,5-TRIAZINE, COPOLYMER, METHYLATED		9				+
55030	09011-05-6	*FORMALDEHYDE-UREA, COPOLYMER		9		POM	+	+
55040	00064-18-6	FORMIC ACID		1	Group ADI: 3 mg/kg b.w. for formic acid and ethyl formate. (JECFA 17 M., 1973).		+	+
55120	00110-17-8	FUMARIC ACID		1	ADI: 6 mg/kg b.w. (SCF, 25th Series, 1990).	Same 17290	+	
55160	00098-00-0	*FURFUROL		8		Same 17505	+	
55190	29204-02-2	GADOLEIC ACID		0		S1(30620)/Same 17510	+	
55200	01166-52-5	GALLIC ACID, DODECYL ESTER		1	Group ADI: 0.5 mg/kg b.w. for gallic acid, octyl ester and gallic acid, propyl ester. (SCF, 22th Series, 1989).		+	
55280	01034-01-1	GALLIC ACID, OCTYL ESTER		1	Group ADI: 0.5 mg/kg b.w. for gallic acid, dodecyl ester and gallic acid, propyl ester. (SCF, 22th Series, 1989).		+	
55360	00121-79-9	GALLIC ACID, PROPYL ESTER		1	Group ADI: 0.5 mg/kg b.w. for gallic acid, dodecyl ester and gallic acid, octyl ester. (SCF, 22th Series, 1989).		+	+
55440	09000-70-8	GELATIN		0			+	+
55520	-	GLASS FIBERS (D=0.5-30 MICROMETERS)		3	Inert material.		+	+
55600	-	GLASS MICROBALLS (D=0.5-500 MICROMETERS),HOLLOW OR SOLID		3	Inert material.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
55660	00111-30-8	*GLUTARDIALDEHYDE		8		Give existing data!		+
55680	00110-94-1	GLUTARIC ACID		0		Same 18010	+	
55760	29733-18-4	*GLUTARIC ACID, DIISODECYL ESTER		8		PVC/Same 18040	+	
55840	28880-25-3	*GLUTARIC ACID, DIISOOCTYL ESTER		8		PVC	+	
55880	01119-40-0	*GLUTARIC ACID, DIMETHYL ESTER		7	Needed: hydrolysis data.	Same 18055		+
55920	00056-81-5	GLYCEROL		1	Group ADI: not specified for glycerol, glycerol diacetate, glycerol triacetate and glycerol monoacetate. (SCF, 11th Series, 1981).	Same 18100	+	+
56000	25395-31-7	GLYCEROL DIACETATE		1	Group ADI: not specified for glycerol, glycerol diacetate, glycerol triacetate and glycerol monoacetate. (SCF, 11th Series, 1981).		+	
56020	?	GLYCEROL DIBEHENATE		3	Toxicologically acceptable.	S1(56400)	+	
56040	-	GLYCEROL DIBUTYRATE		3	Toxicologically acceptable.	CACAP	+	
56055	27638-00-2	GLYCEROL DILAURATE		3	Toxicologically acceptable.	S1(56500)		+
56070	53563-63-6	GLYCEROL DIMYRISTATE		3	Toxicologically acceptable.	S1(56520)		+
56080	25637-84-7	GLYCEROL DIOLEATE		1	ADI: not specified. (JECFA 17 M., 1973).		+	
56120	26657-95-4	GLYCEROL DIPALMITATE		3	Toxicologically acceptable.	S1(56550)		+
56160	26402-29-9	GLYCEROL DIPROPIONATE		3	Toxicologically acceptable.		+	
56240	27902-24-5	GLYCEROL DIRICINOLEATE		3	.....		+	
56320	01323-83-7	GLYCEROL DISTEARATE		1	ADI: not specified. (JECFA 17 M., 1973).		+	+
56400	-	*GLYCEROL, ESTERS WITH ACIDS, ALIPH., MONOCARB. (MORE THAN C6)		9		See 57880	+	+
56480	-	*GLYCEROL, ESTERS WITH ACIDS, ALIPH., MONOCARB., HYDROXYLATED (C12-C20)		9			+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
56485	91052-28-7	*GLYCEROL, ESTERS WITH ACIDS, ALIPH.,SAT.(C14-C18) AND ACIDS, ALIPH. UNSAT (C16-C18)		9		S1(56400)	+	
56490		GLYCEROL, ESTERS WITH ERUCIC ACID		3	Toxicologically acceptable.	Cov.by 56400		+
56500		GLYCEROL, ESTERS WITH LAURIC ACID		3	Toxicologically acceptable.	See 57960		+
56510		GLYCEROL, ESTERS WITH LINOLEIC ACID		3	Toxicologically acceptable.	Cov.by 56400		+
56520		GLYCEROL, ESTERS WITH MYRISTIC ACID		3	Toxicologically acceptable.	Cov.by 56400		+
56530		*GLYCEROL, ESTERS WITH NATURAL FATTY ACIDS		9				+
56540		GLYCEROL, ESTERS WITH OLEIC ACID		3	Toxicologically acceptable.	Cov.by 56400		+
56550		GLYCEROL, ESTERS WITH PALMITIC ACID		3	Toxicologically acceptable.	Cov.by 56400		+
56560		See 56600		D		Same 56600	+	
56565		GLYCEROL, ESTERS WITH PELARGONIC ACIDS		3	Toxicologically acceptable.	Cov.by 56400		+
56580		GLYCEROL, ESTERS WITH RICINOLEIC ACID		3	Toxicologically acceptable.	Cov.by 56480		+
56590		GLYCEROL, ESTERS WITH ACIDS, LINEAR, WITH AN EVEN NUMBER OF CARBON ATOMS (C8-C18)		3/D	Toxicologically acceptable.	Ex L9(M49)/Similar to 56400		+
56600	26446-35-5	GLYCEROL MONOACETATE		1	Group ADI: not specified for glycerol, glycerol diacetate, glycerol triacetate and glycerol monoacetate. (SCF, 11th Series, 1981).		+	
56610	30233-64-8	GLYCEROL MONOBEHENATE		3	Toxicologically acceptable.	S1(56400)	+	
56640	26999-06-4	GLYCEROL MONOBUTYRATE		3	Toxicologically acceptable.		+	
56670		GLYCEROL MONOCITRATE		3	Toxicologically acceptable.			+
56720	26402-22-2	GLYCEROL MONOHEXANOATE		3	Toxicologically acceptable.		+	
56760	01323-43-9	GLYCEROL MONO(12-HYDROXYSTEARATE)		3	Toxicologically acceptable.	S1(62000)	+	+
56780	27215-38-9	GLYCEROL MONOLAURATE		3	Toxicologically acceptable.	S1(56400)	+	+
56800	30899-62-8	GLYCEROL MONOLAURATE DIACETATE		3	Chemically similar to natural	PVDC	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					fats.			
56840	27214-38-6	GLYCEROL MONOMYRISTATE		3	Toxicologically acceptable.	S1(56520)		+
56880	26402-26-6	GLYCEROL MONOOCTANOATE		3	Toxicologically acceptable.		+	
56960	25496-72-4	GLYCEROL MONOOLEATE		1	ADI: not specified. (JECFA 17 M., 1973).		+	+
57040	-	GLYCEROL MONOOLEATE, ESTER WITH ASCORBIC ACID		2	Group TDI: not specified. Similarity with the citric acid esters. (JECFA 17 M., 1973).		+	
57120	-	GLYCEROL MONOOLEATE, ESTER WITH CITRIC ACID		1	ADI: not specified for citric and fatty acid esters of glycerol. (SCF, 7th Series, 1978).		+	
57150	26657-96-5	GLYCEROL MONOPALMITATE		3	Toxicologically acceptable.	S1(56550)		+
57200	-	GLYCEROL MONOPALMITATE, ESTER WITH ASCORBIC ACID		2	Group TDI= not specified. Similarity with the citric acid esters. (JECFA 17 M., 1973)		+	
57280	-	GLYCEROL MONOPALMITATE, ESTER WITH CITRIC ACID		1	ADI: not specified for citric and fatty acid esters of glycerol. (SCF, 7th Series, 1978).		+	
57360	26894-50-8	GLYCEROL MONOPROPIONATE		3	Toxicologically acceptable.		+	
57440	01323-38-2	GLYCEROL MONORICINOLEATE		3	Toxicologically acceptable.		+	
57520	31566-31-1	GLYCEROL MONOSTEARATE		1	ADI: not specified. (JECFA 17 M., 1973).		+	+
57600	-	GLYCEROL MONOSTEARATE, ESTER WITH ASCORBIC ACID		2	Group TDI= not specified. Similarity with the citric acid esters. (JECFA 17 M., 1973).		+	
57680	-	GLYCEROL MONOSTEARATE, ESTER WITH CITRIC ACID		1	ADI: not specified for citric and fatty acid esters of glycerol. (SCF, 7th Series, 1978).		+	
57760	00102-76-1	GLYCEROL TRIACETATE		1	Group ADI: not specified for		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					glycerol, glycerol diacetate, glycerol triacetate and glycerol monoacetate. (SCF, 11th Series, 1981).			
57840	00060-01-5	GLYCEROL TRIBUTYRATE		3	Toxicologically acceptable.	Ex LO	+	
57880		GLYCEROL, TRIESTERS WITH ACIDS, ALIPH., MONOCARB. (MORE THAN C6)		3	Toxicologically acceptable.	Derived by 56400	+	+
57920	00620-67-7	GLYCEROL TRIHEPTANOATE		3	Toxicologically acceptable.		+	
57960	00538-24-9	GLYCEROL TRILAURATE		3	Toxicologically acceptable.	S1(56500)		+
58000	68476-38-0	*GLYCEROL TRIMONTANATE		7	Needed: hydrolysis data.	Presence of C25-C32.	+	
58040	00555-45-3	GLYCEROLTRIMYRISTATE		3	Toxicologically acceptable.	S1(56520)		+
58060	00555-44-2	GLYCEROL TRIPALMITATE		3	Toxicologically acceptable.	S1(56550)		+
58080	00139-45-7	GLYCEROL TRIPROPIONATE		3	Toxicologically acceptable.		+	
58160	00139-44-6	GLYCEROL TRIS(12-HYDROXYSTEARATE)		3	.....	PVC	+	
58240	00555-43-1	GLYCEROL TRISTEARATE		3	Toxicologically acceptable.	Ex LO	+	+
58260	27214-00-2	*GLYCEROPHOSPHORIC ACID, CALCIUM SALT		7	Needed: hydrolysis data.			+
58280	00927-20-8	GLYCEROPHOSPHORIC ACID, MAGNESIUM SALT		3	Toxicologically acceptable.			+
58300	-	GLYCINE, SALTS		1	ADI: acceptable. (SCF, 25th Series, 1991).	PUR/Cov.by 34880	+	
58310	00107-22-2	*GLYOXAL		D			+	+
58320	07782-42-5	GRAPHITE		3	Inert material.		+	+
58360	09000-29-7	GUAIAC GUM		1	ADI: 2.5 mg/kg bw. (JECFA, 17M, 1973).	Ref_N. changed from 58360/0-->58360		+
58360/1	09000-29-7	GUAIAC GUM		D	Deleted.	Same 58360		+
58400	09000-30-0	GUAR GUM		1	ADI: not specified. (SCF, 7th Series, 1978).	SCF:Spec(P)	+	+
58480	09000-01-5	GUM ARABIC		1	ADI: not specified.	A	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					(JECFA, 35 M., 1989).			
58560	-	*GUMS, NATURAL		9			+	
58640	15655-33-1	*2-HEPTADECYL-4,4'-BIS(METHYLENE STEARATE)-1,3- OXAZOLINE		7	Needed: report of 90-day oral study (BIBRA).		+	
58680	00142-82-5	*n-HEPTANE		8		S1(59825)	+	+
58720	00111-14-8	HEPTANOIC ACID		3	Fatty acid from food.		+	+
58740	16761-13-0	HEPTANOIC ACID, LITHIUM SALT		2-3	L3 for heptanoic acid. L2 for the Lithium. TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.	Cov.by 31120		+
58760		HEPTANOIC ACID, MANGANESE SALT		2-3	L3 for heptanoic acid. See references for 58720 in list 3. L2 for the Mn. TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in list 2.	Cov.by 31120		+
58770	25637-99-4	HEXABROMOCYCLODODECANE		5		3A	+	+
58790	36653-82-4	1-HEXADECANOL		3	See references for "Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)" in monomer report.	Same 18310		+
58800	67845-93-6	HEXADECYL 3,5-DI-tert-BUTYL-4-HYDROXYBENZOATE		D		Same 46800	+	
58880	00123-03-5	*HEXADECYLPYRIDINIUM CHLORIDE		8		PO/28-day inadequate study available.	+	+
58960	00057-09-0	HEXADECYLTRIMETHYLAMMONIUM BROMIDE		2	TDI: 0.1 mg/kg b.w. 400-day oral rat study. (RIVM report, September 1978).	Cov.by 34400	+	
59040	09011-17-0	*HEXAFLUOROPROPYLENE-VINYLIDENE FLUORIDE, COPOLYMER		9		PO	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
59120	23128-74-7	1,6-HEXAMETHYLENEBIS(3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL)PROPIONAMIDE)		2	TDI: 0.75 mg/kg b.w. 2-year and 90-day oral rat studies, teratogenicity studies in mice, rats, rabbits. (RIVM report 88/678608/010, 1989-01-24).		+	+
59200	35074-77-2	1,6-HEXAMETHYLENE BIS(3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL)PROPIONATE) (=1,6-HEXANEDIOLBIS(3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL)PROPIONATE))		2	TDI: 0.1 mg/kg b.w. 90-day oral rat and dog (plus 4-week recovery period) studies and a 2-year oral study. (RIVM July 1975, report CBG 182/80928, 5 april 1982).	POM	+	
59240	00124-09-4	HEXAMETHYLENEDIAMINE		2	TDI: 0.04 mg/kg b.w. See references for the same substance in monomer report.	Same 18460		+
59280	00100-97-0	HEXAMETHYLENETETRAMINE		3	See references for the same substance in monomer list.	MF,PF.UF/Same 18670	+	+
59330	00110-54-3	*n-HEXANE		8		PS/Cov.by 33440	+	+
59332		*HEXANE (isomers)		9		S1(33440)	+	
59360	00142-62-1	n-HEXANOIC ACID		0			+	+
59440	-	*2,8,14,18,24,30-HEXAOXA-6,10,22,26-TETRATHIO-7,9,23,25-TETRASTANNA-7,7,9,9,23,23,25,25-OCTA-(n-DODECYL)-SPIRO(15,15)HENTRIACONTANE-3,13,19,29-TETRAOXIDE		8		PVC	+	
59520	02425-77-6	*2-HEXYLDECANOL		8		PVC	+	+
59600	00107-41-5	*HEXYLENEGLYCOL		7	Needed: purity, physicochemical state, migration data.	Same 18850	+	+
59640		*HIDE GLUE		9				+
59680	-	HYDROMAGNESITE(=NATURAL BASIC MAGNESIUM CARBONATE)		3	Inert material. Purity to be specified.	SCF:spec(P)	+	
59760	19569-21-2	HUNTITE (NATURAL CALCIUM MAGNESIUM CARBONATE)		3	Inert, insoluble material.		+	
59810		*HYDROABIETYL ALCOHOL		8				+
59825	-	*HYDROCARBONS, ALIPHATIC UP TO C8		9		PS	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
59840	-	*HYDROCARBONS, ALIPHATIC, (C10-C14) (B.P. 180-260 °C)		9		PO	+	+
59841		See "59935"		D			+	
59842		See "59950"		D			+	
59870		*HYDROCARBONS, ALIPHATIC (BOILING POINT UP TO 160°C)		9	Specifications on identity.			+
59880		*HYDROCARBONS, ALIPHATIC (BOILING POINT UP TO 250°C, BENZENE FREE)		9				+
59885		*HYDROCARBONS, ALIPHATIC (BOILING POINT 230-330°C), WITH A MAXIMUM AROMATICS CONTENT OF 25%		9	Specifications on identity of aromatics.			+
59900		*HYDROCARBONS, ALIPHATIC AND CYCLOALIPHATIC, OBTAINED BY HYDROGENATION OF MINERAL OIL FRACTION (M.W.: 440-550)		9	Specifications on identity.			+
59915		*HYDROCARBONS, AROMATIC (BOILING POINT UP TO 180°C, BENZENE FREE)		9				+
59920		See "59980"		D			+	
59935		HYDROCARBONS (B.P. 180-260 °C, HYDROGENATED)		2	Group t-TDI: 0.05 mg/kg b.w. (SCF, 26th Series, 1992). Purity criteria to be established.	PO/Ex 59841	+	
59950	-	HYDROCARBONS (B.P. 180-260 °C, CONVENTIONAL)		2	Group t-TDI: 0.005 mg/kg b.w. (SCF 26th Series, 1992). Purity criteria to be established.	PO/Ex 59841	+	
59980	-	*HYDROCARBON WAX SALT, OXIDIZED		9		Check name! Is it a salt?	+	
59990	07647-01-0	HYDROCHLORIC ACID		1	ADI: not specified. (SCF, Rx).	MF,PAN,PF,UF	+	+
60005	-	HYDROCHLORIC ACID, SALTS		D	Deleted because the acid appears in the list.		+	
60020	10026-04-7	HYDROCHLORIC ACID, TETRASILICON SALT		D		PS/Name changed in "Silicon	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
						tetrachloride"		
60060	00123-31-9	HYDROQUINONE		D		Same 48620	+	+
60080	12304-65-3	HYDROTALCITE (Mg/Al CARBONATE COMPLEX)		3	Inert, insoluble material.		+	+
60120	00094-18-8	*4-HYDROXYBENZOIC ACID, BENZYL ESTER		8				+
60160	00120-47-8	4-HYDROXYBENZOIC ACID, ETHYL ESTER		1	Group ADI: 10 mg/kg b.w. for ethyl, methyl and propyl esters. (SCF, 1st Series, 1975).		+	+
60180	04191-73-5	4-HYDROXYBENZOIC ACID, ISOPROPYL ESTER		2	Group-TDI: 10 mg/kg bw based on group ADI = 10 mg/kg bw for ethyl, methyl and propyl esters.			+
60200	00099-76-3	4-HYDROXYBENZOIC ACID, METHYL ESTER		1	Group ADI: 10 mg/kg b.w. for ethyl, methyl and propyl esters. (SCF, 1st Series, 1975).		+	+
60240	00094-13-3	4-HYDROXYBENZOIC ACID, PROPYL ESTER		1	Group ADI: 10 mg/kg b.w. for ethyl, methyl and propyl esters. (SCF, 1st Series, 1975).		+	+
60320	70321-86-7	2-(2-HYDROXY-3,5-BIS(1,1-DIMETHYLBENZYL) PHENYL)BENZOTRIAZOLE		2	TDI: 0.025 mg/kg b.w. 90-day oral rat study, 3 mutagenicity studies. (RIVM doc. 27 October 1987).		+	+
60400	03896-11-5	2-(2-HYDROXY-3-tert-BUTYL-5-METHYLPHENYL)-5-CHLOROBENZOTRIAZOLE		2	Group TDI: 0.5 mg/kg b.w. for 2-(2'-hydroxy-3,5'-di-tert.butylphenyl)-5-chloro-benzotriazole and 2-(2'-hydroxy-5'-methylphenyl)benzotriazole.		+	+
60480	03864-99-1	2-(2-HYDROXY-3,5-DI-tert-BUTYLPHENYL)-5-CHLOROBENZOTRIAZOLE		2	Group TDI: 0.5 mg/kg b.w. for 2-(2'-hydroxy-3'-tert.butyl-5'-methylphenyl)-5-chlorobenzotriazole and 2-(2'-hydroxy-5'-methyl phenyl)benzotriazole.		+	
60560	09004-62-0	HYDROXYETHYLCELLULOSE		2	Group TDI: not specified based		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					on Group ADI (=not specified) for certain modified celluloses. (JECFA 35 M., 1989).			
60640	00150-39-0	N-(2-HYDROXYETHYL)ETHYLENEDIAMINETRIACETIC ACID		D				+
60800	65447-77-0	1-(2-HYDROXYETHYL)-4-HYDROXY-2,2,6,6-TETRAMETHYL PIPERIDINE-SUCCINIC ACID, DIMETHYL ESTER, COPOLYMER (M.W.1500-5000)		2	TDI: 0.5 mg/kg b.w. 90-day oral rat and dog studies, 2-year oral rat study. (HRC report CBG 237/92271, 10 May 1983).	PA,PMMA,PO	+	+
60880	09032-42-2	HYDROXYETHYLMETHYLCELLULOSE		2	Group TDI: not specified based on Group ADI (=not specified) for certain modified celluloses. (JECFA 35 M., 1989).		+	+
60920	00622-40-2	N-(2-HYDROXYETHYL)MORPHOLINE		5				+
60960	-	*HYDROXYETHYLOCTADECYLAMINE		8		PA	+	+
61040	00111-58-0	*N-(2-HYDROXYETHYL)OLEAMIDE		8			+	
61055	00122-99-6	*2-HYDROXYETHYL PHENYL ETHER		P			+	
61070	03040-44-6	*N-(2-HYDROXYETHYL)PIPERIDINE		8				+
61100	02955-88-6	*N-(2-HYDROXYETHYL)PYRROLIDINE		8				+
61120	09005-27-0	HYDROXYETHYL STARCH		2	Group TDI: not specified. (JECFA 26 M., 1982).		+	+
61200	70198-29-7	*1-(2-HYDROXYETHYL)-2,2,6,6-TETRAMETHYL-4-HYDROXYPIPERIDINE/SUCCINIC ACID,COPOLYMER		9		PA,PMMA,PO/Change name?	+	
61280	03293-97-8	2-HYDROXY-4-n-HEXYLOXYBENZOPHENONE		2	Group TDI: 0.1 mg/kg b.w. See references for 2,4-dihydroxybenzophenone.	UP	+	
61340	00149-44-0	*HYDROXYMETHANESULPHINIC ACID, SODIUM SALT		8		Same 70160	+	+
61360	00131-57-7	2-HYDROXY-4-METHOXYBENZOPHENONE		2	Group TDI: 0.1 mg/kg b.w. See references for 2,4-dihydroxybenzophenone.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
61390	37353-59-6	HYDROXYMETHYLCELLULOSE		2	Group TDI: not specified based on Group ADI (=not specified) for certain modified celluloses. (JECFA 35 M., 1989).			+
61415	00123-42-2	*4-HYDROXY-4-METHYL-2-PENTANONE		8				+
61440	02440-22-4	2-(2-HYDROXY-5-METHYLPHENYL)BENZOTRIAZOLE		2	Group TDI: 0.5 mg/kg b.w. for 2-(2'-hydroxy-3'-tert.butyl-5'-methyl phenyl)-5-chlorobenzotriazole, 2-(2'-hydroxy-3,5'-di-tert.butylphenyl)-5-chloro-benzotriazole and 2-(2'-hydroxy-5'methylphenyl)benzotriazole. Several 90-day oral rat and dog studies and a 2-year oral rat study and 3-4 month oral dosing of man. (HRC report CBG 161/78164).		+	+
61480	-	*HYDROXYMETHYL-1-PHOSPHA-2,6,7-TRIOXYBICYCLO(2.2.2)OCTANE-3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL) PROPIONATE		D			+	
61520	04710-34-3	*2-HYDROXYOCTADECANESULPHONIC ACID, SODIUM SALT		8			+	+
61600	01843-05-6	2-HYDROXY-4-n-OCTYLOXYBENZOPHENONE		2	Group TDI: 0.1 mg/kg b.w. See references for 2,4-dihydroxybenzophenone in list 2.		+	+
61680	09004-64-2	HYDROXYPROPYLCELLULOSE		2	Group TDI: not specified based on Group ADI (=not specified) for certain modified celluloses. (JECFA 35 M., 1989).		+	+
61760	09004-65-3	HYDROXYPROPYLMETHYLCELLULOSE		2	Group TDI: not specified based on Group ADI (=not specified) for certain modified celluloses. (JECFA 35 M., 1989).		+	+
61800	09049-76-7	HYDROXYPROPYL STARCH		1	ADI: not specified.	PVA	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					(SCF, 13th Series 1982).			
61840	00106-14-9	12-HYDROXYSTEARIC ACID		0			+	+
61880	78616-19-0	12-HYDROXYSTEARIC ACID, DIESTER WITH GLYCEROL		3	Toxicologically acceptable.	S1(62000)	+	
61920	-	*12-HYDROXYSTEARIC ACID-3-DIMETHYLAMINOPROPYL AMINE, COPOLYMER		W9		PE,PVC/New subst.	+	
62000	-	12-HYDROXYSTEARIC ACID, ESTERS WITH GLYCEROL		3	Toxicologically acceptable.	PVC	+	+
62040	00139-44-6	12-HYDROXYSTEARIC ACID, TRIESTER WITH GLYCEROL		3	Toxicologically acceptable.			+
62080	-	*12-HYDROXYSTEARIC ACID-3-DIMETHYLAMINOPROPYL AMINE-DIMETHYL SULPHATE, COPOLYMER		W9	In first instance provide information on identity.	PE,PVC/New subst.	+	
62110	07681-52-9	*HYPOCHLOROUS ACID, SODIUM SALT		P			+	
62140	06303-21-5	HYPOPHOSPHOROUS ACID		3	Easily oxidized to phosphoric acid.		+	
62160	07681-53-0	HYPOPHOSPHOROUS ACID, SODIUM SALT		3	Easily oxidized to phosphorous acid.	PA	+	+
62175	10025-82-8	*INDIUM TRICHLORIDE		P			+	
62190	08013-17-0	INVERT SUGAR		0				+
62220	10045-89-3	IRON(II) DIAMMONIUM BISULPHATE		3	Iron maximum provisional tolerable daily intake 0.8 mg/kg bw. (27th M, JECFA, 1983).			+
62240	01332-37-2	IRON OXIDE		2	ADI: not specified. (SCF, 1st Series 1975).		+	+
62255	00075-28-5	ISOBUTANE		3	Volatile.			+
62270	00078-83-1	*ISOBUTANOL		8	Residue less than 1 mg/kg in food. No mutagenicity or oral data. (Directive 88/344/EEC)	Same 18970		+
62295		ISOBUTENE-2-METHYL-1,3-BUTADIENE,		D			+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		COPOLYMER						
62305	23436-19-3	*1-ISOBUTOXY-2-PROPANOL		8				+
62315		*ISOBUTYRIC ACID, DIESTER WITH 2-METHYL-2,4-PENTANEDIOL		8	Data exist (but confidential!). Provide data.			+
62320		See "62435"		D			+	+
62325		*ISOBUTYRIC ACID, MONOESTER WITH 2-METHYL-2,4-PENTANEDIOL		8	Data exist (but confidential!). Provide data.			+
62340		*ISODECANOIC ACID, CERIUM SALT		P	L9 for isodecanoic acid. Postponed for Ce.			+
62350		*ISODECANOIC ACID, COBALT SALT		9	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707). L9 for isodecanoic acid.			+
62360		*ISODECANOIC ACID, LITHIUM SALT		9	L9 for isodecanoic acid. L2 for the Lithium. Group TDI: 0.01 mg/kg b.w. See references for 38000 in L2 in this report.	Cov.by 31120		+
62370		*ISODECANOIC ACID, MANGANESE SALT		9	L9 for isodecanoic acid. L2 for the Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.	Cov.by 31120		+
62380		*ISODECANOIC ACID, SALTS		9		Cov.by 30620		+
62390		*ISODECANOIC ACID, ZIRCONIUM SALT		P	L9 for isodecanoic acid. Postponed for Zr.			+
62400		See 62450		D			+	
62405	31807-55-3	*ISODODECANE		9		S1(59840)	+	
62420	25103-52-0	*ISOOCTANOIC ACID		8		Same	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
						19135/S1(30560)		
62435	11087-88-0	*ISOOCTYL EPOXYSTEARATE		6A		PVC	+	+
62450	00078-78-4	ISOPENTANE		3	Volatile.	PS	+	
62480	00067-63-0	ISOPROPANOL		D		Same 23830/ See 2-propanol	+	
62500	-	*1,1(ISOPROPYLIDENEBIS(p-PHENYLENEOXY))-BIS(3-(p-(2,3-EPOXYPROPOXY)-alpha,alpha-DIMETHYLBENZYL)PHENOXY))2-PROPANOL		6A		PVDC/Give formula	+	
62520		*4,4'-ISOPROPYLIDENEBIS(2-tert-BUTYLPHENOL)		8				+
62540	00080-05-7	4,4'-ISOPROPYLIDENEDIPHENOL		D		Same 13607,39680	+	
62560	92908-32-2	*4,4'-ISOPROPYLIDENEDIPHENYLALKYL(C12-C15)PHOSPHITES		9		PVC	+	
62620	?	*ISOSTEARIC ACID		8		S2(30540)		+
62640	08001-39-6	JAPAN WAX		3	Refined, natural wax. Purity to be specified.	SCF:Spec(P)	+	+
62720	01332-58-7	KAOLIN		1	ADI: not specified. (SCF, 25th Series, 1990).		+	+
62800	66402-68-4	KAOLIN, CALCINED		3	Inert material.		+	
62830	09000-36-6	KARAYA GUM		1	ADI: 12.5 mg/kg bw. (SCF, 21st Series, 1989).			+
62830/1	09000-36-6	KARAYA GUM		D		Same 62830.		+
62860	08008-20-6	*KEROSENE		9				+
62880	61790-53-2	KIESELGUHR		3	Inert material.		+	+
62960	00050-21-5	LACTIC ACID		1	ADI: not specified. (SCF, 25th Series, 1990).		+	+
63040	00138-22-7	LACTIC ACID, BUTYL ESTER		2	Group TDI= not specified. Similarity with lactic acid, ethyl ester for which an ADI not specified was established		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					by JECFA 26 M., 1982.			
63120	07100-07-4	LACTIC ACID, IRON SALT		D		MF,PF,UF/Cov.by 62960	+	
63200	51877-53-3	LACTIC ACID, MANGANESE SALT		1-2	L2 for Manganese. See references for acetic acid, manganese(II) salt in list 2. L1 for lactic acid. ADI: not specified. (SCF, 25th Series, 1991).	A	+	
63240	08006-54-0	LANOLIN (Pharmacopeia grade)		0		Cov.by 54400		+
63260	91079-06-0	*LARD OIL, SULPHATED, AMMONIUM SALT		9		S1(54640)	+	
63280	00143-07-7	LAURIC ACID		0			+	
63360	00624-04-4	*LAURIC ACID, DIESTER WITH ETHYLENEGLYCOL		7	Needed: hydrolysis data.		+	
63400	25234-60-0	*LAURIC ACID, ESTER WITH CHOLINE CHLORIDE		7	Available: 28 and 90-day oral rat studies on coconout fatty acid esters of choline chloride the largest component of which is lauric acid ester of choline chloride (CS/PM/1710). Needed: 3-mutagenicity studies and bicaccumulation.	S1(43520)	+	+
63440	04219-48-1	*LAURIC ACID, MONOESTER WITH ETHYLENEGLYCOL		7	Needed: hydrolysis data.		+	
63480	01338-39-2	LAURIC ACID, MONOESTER WITH SORBITAN		1	Group ADI: 25 mg/kg b.w.(for sorbitan esters of lauric, palmitic and stearic acid). (JECFA, 26th M., 1982).		+	
63520	01793-68-6	*LAURIC ACID, MONOESTER WITH TRIETHANOLAMINE		7	Needed: hydrolysis data.	PO,PS	+	+
63560	00120-40-1	*LAURIC DIETHANOLAMIDE		P			+	
63600	00097-78-9	*N-LAUROYLSARCOSINE		8			+	
63680	01344-40-7	*LEAD PHOSPHITE, DIBASIC		D		3B/Only for water pipes	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
63760	08002-43-5	LECITHIN		1	ADI: not specified. (JECFA 17 M., 1973).		+	+
63800	08029-76-3	*LECITHIN, HYDROXYLATED		9				+
63840	00123-76-2	LEVULINIC ACID		0			+	
63880		*LIGHT PETROLEUM HYDROCARBONS, ODORLESS		9	Specifications on identity.			+
63920	00557-59-5	LIGNOCERIC ACID		0			+	+
63940		*LIGNOSULPHONIC ACID		9				+
63970	05989-27-5	*d-LIMONENE		8				+
63974	05989-54-8	*l-LIMONENE		8				+
64000	03999-01-7	*LINOLEAMIDE		8			+	+
64015	00060-33-3	LINOLEIC ACID		0		S1(30620)/Same 19518	+	
64030	07492-60-6	*LINOLEIC ACID, CERIUM SALT		P	LO for linoleic acid. Postponed for Ce.			+
64060	14666-96-7	LINOLEIC ACID, COBALT SALT		3	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707). LO for linoleic acid.			+
64080	-	*LINOLEIC ACID, ESTERS WITH ALCOHOLS, ALIPH., MONOH.		9			+	
64100	74488-09-8	LINOLEIC ACID, LITHIUM SALT		2	LO for linoleic acid. L2 for the Lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.	Cov.by 31120		+
64115	06904-78-5	LINOLEIC ACID, MANGANESE SALT		2	LO for linoleic acid. L2 for the Mn.	Cov.by 31120		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.			
64130		LINOLEIC ACID, SALTS		0		Same 19518		+
64145		*LINOLEIC ACID, ZIRCONIUM SALT		P	LO for linoleic acid. Postponed for Zr.			+
64150	28290-79-1	LINOLENIC ACID		0		S1(30620)/Same 19526	+	
64160	08001-26-1	LINSEED OIL		3	Food.	Same 19532	+	+
64240	08016-11-3	*LINSEED OIL, EPOXIDIZED (OXIRANE LESS THAN 10%,IODINE NUMBER LESS THAN 6)		7	Available: inadequate 20 week oral rat study, Ames test said to be negative (no report supplied)(CS/PM/1517). Needed: data according to SCF guidelines. (N.B. Epoxidised linseed oil cannot be covered by data on epoxidised soya bean oil).	PVC,PVCC,PVDC/S ee 88640	+	+
64270	07447-41-8	LITHIUM CHLORIDE		2	Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in list 2.			+
64300	01310-65-2	LITHIUM HYDROXIDE		2	Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in list 2.			+
64320	10377-51-2	LITHIUM IODIDE		2	L2 for I. Group-TDI based on PMTDI: 0.017 mg/kg b.w. (as I). (JECFA 33 M., 1988). L2 for Li. Group TDI: 0.01 mg/kg bw (as Li). 90-day oral rat studies and metabolism and human use of lithium salts in therapy. (RIVM tox 105/76 July 1976, tox 204/78, November 1978, tox	PA	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					126/79 October 1979). For Li see references for benzoic acid, lithium salt in list 2.			
64350	12057-24-8	LITHIUM OXIDE		2	Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.	PET,PS		+
64380		*LITHIUM POLYSILICATE		9	L9 for polysilicate. L2 for the Li. Group TDI: 0.01 mg/kg.b.w. (as Li). See references for 38000 in L2 in this report.			+
64400	01345-05-7	LITHOPONE (=C.I. PIGMENT WHITE 5)		3	Free from water soluble barium. Insoluble, inert material.	Spec(P)/Free from water soluble barium	+	+
64500	-	LYSINE, SALTS		0		PUR/Cov.by 34880	+	
64560	07786-30-3	MAGNESIUM CHLORIDE		1/D	ADI: not specified. (SCF, Rx).		+	
64640	01309-42-8	MAGNESIUM HYDROXIDE		1	ADI: not specified. (SCF, Rx).		+	+
64720	01309-48-4	MAGNESIUM OXIDE		1	ADI: not specified. (SCF, Rx).		+	+
64800	00110-16-7	MALEIC ACID		2	Group TDI: 0.5 mg/kg b.w. as maleic acid. (SCF, 17th Series, 1986).	Same 19540	+	+
64840	10039-33-5	MALEIC ACID, DI-n-OCTYLTIN BIS (2-ETHYLHEXYL) ESTER		D	Same references as 50240.	Same 50240	+	
64860	-	*MALEIC ACID, ESTERS WITH PENTAERYTHRITOL		9		PVC	+	+
64880	-	*MALEIC ACID, MONOHEXADECYL ESTER, POTASSIUM SALT		7	Needed: hydrolysis data.	PC	+	+
64900	00108-31-6	MALEIC ANHYDRIDE		D		PET,PP/M	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
64920		*MALEIC ANHYDRIDE-BUTENE AND/OR ETHYLENE AND/OR PROPYLENE, COPOLYMERS		9			+	
64940		*MALEIC ANHYDRIDE-ETHYLENE OR STYRENE OR METHYL VINYL ETHER, COPOLYMER		9			+	
64955	25119-65-7	*MALEIC ANHYDRIDE-METHYL METHACRYLATE, COPOLYMER		9			+	
64960		See 65020		D			+	
64970		*MALEIC ANHYDRIDE-METHYL VINYL ETHER, COPOLYMER		9		PVC,PVCC	+	+
64972	28133-65-5	*MALEIC ANHYDRIDE METHYL VINYL ETHER, COPOLYMER, SODIUM SALT (MW>70000)		7	Provide hydrolysis data for methyl vinyl ether (PM/REF. 22270).		+	
64985	25722-45-6	*MALEIC ANHYDRIDE-PROPYLENE, COPOLYMER		9			+	
65000	-	*MALEIC ANHYDRIDE-VINYL ESTERS, COPOLYMERS		9		PVC	+	+
65010		*MALEIC ANHYDRIDE-VINYL ETHERS, COPOLYMERS		9				+
65020	06915-15-7	MALIC ACID		1	ADI: not specified. (SCF, 25th Series, 1990).	MF,PAN,PF,PVAC, UF	+	
65040	00141-82-2	MALONIC ACID		3	Occurs in plants.	Same 19968	+	
65120	07773-01-5	MANGANESE (II) CHLORIDE		2	Group TDI: 0.01 (as Mn) (Environmental Health Criteria 17, WHO 1981).	PA	+	
65200	12626-88-9	MANGANESE HYDROXIDE		2	Group TDI: 0.01 mg/kg b.w. (as Mn). See references for acetic acid, manganese(II) salt in list 2.	PVC,PVCC	+	
65280	10043-84-2	MANGANESE (II) HYPOPHOSPHITE		2-3	Group TDI: 0.01 mg/kg b.w. (as Mn). See references for acetic acid, manganese(II) salt in list 2. L3 for hypophosphite. Hypophosphite easily oxidised to phosphoric acid.	PA	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
65360	11129-60-5	MANGANESE OXIDE		2	Group TDI: 0.01 mg/kg b.w. (as Mn) in list 2. See references for acetic acid, manganese(II) salt.	PTFE, PET	+	+
65440	-	MANGANESE (II) PYROPHOSPHITE		2-3	L2 for Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for acetic acid, manganese(II) salt in list 2. L3 for pyrophosphite. Easily oxidized to pyrophosphoric acid.	PA	+	
65520	00087-78-5	MANNITOL		1	ADI: acceptable. (SCF, 16th Series, 1985).		+	+
65630	00108-78-1	MELAMINE		D	See "2,4,6-triamino-1,3,5-triazine".		+	
65770	02492-26-4	*2-MERCAPTOBENZOTHIAZOLE, SODIUM SALT		P				+
65840		See 65770		D				+
65845		*METHACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC		9		Similar to 20620-20650		+
65880		*METHACRYLIC ACID, MONOESTER WITH 1,3-BUTANEDIOL		8		Same 21160		+
65900	01804-87-1	*METHACRYLIC ACID, 2-SULPHOETHYL ESTER, SODIUM SALT		8				+
65910	02530-85-0	*gamma-METHACRYLOXYPROPYL TRIMETHOXYSILANE		8			+	
65920	66822-60-4	N-METHACRYLOYLETHYL-N,N-DIMETHYLAMMONIUM -alpha-N- METHYLCARBOXYLATE-OCTADECYL METHACRYLATE-ETHYL METHACRYLATE-CYCLOHEXYL METHACRYLATE-N-VINYL-2- PYRROLIDONE, COPOLYMER		2	TDI: 1 mg/kg b.w. 90-day oral rat study. Mutagenicity data not needed for this polymer. (RIVM doc. Tox 300/482 March 1984).	PP	+	
65960	00067-56-1	METHANOL		3	See references for same substance in monomer report.	A/Same 21550		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
66000	-	*3'-METHOXY-4'-HYDROXYPHENYL-2-INDOLE		8		PVC	+	
66030	00150-76-5	*4-METHOXYPHENOL		8		Same 21615		+
66050	00107-98-2	*1-METHOXY-2-PROPANOL		8				+
66080	00613-93-4	*N-METHYLBENZAMIDE		8			+	
66120	10605-21-7	METHYL BENZIMIDAZOLECARBAMATE		2	TDI: 0.01 mg/kg b.w. Based on ADI= 0.01 mg/kg bw on carbendazim. (JMPR 5-14 Decembezr 1983)			+
66160	16515-58-5	*7-(5'-METHYL-6'-n-BUTOXY-BENZOTRIAZOLE(2))-3-PHENYLCOUMARIN		8			+	
66200	37206-01-2	METHYLCARBOXYMETHYLCELLULOSE		2	Group TDI: not specified based on Group ADI (= not specified) for certain modified celluloses. (JECFA 35 M., 1989).			+
66240	09004-67-5	METHYLCELLULOSE		2	Group TDI: not specified based on Group ADI (=not specified) for certain modified celluloses. (JECFA 35 M., 1989).		+	+
66270	00096-37-7	*METHYLCYCLOPENTANE		8		S1(45680)	+	
66320	00118-82-1	*4,4'-METHYLENEBIS(2,6-DI-tert-BUTYLPHEN OL)		8			+	+
66360	85209-91-2	2',2'-METHYLENE BIS(4,6-DI-tert-BUTYLPHENYL) SODIUM PHOSPHATE		3	R: 5 mg/kg in food. Available: 3-month oral rat study, mutagenicity tests negative, migration data. (RIVM doc. 15 Oct. 1991).		+	
66400	00088-24-4	2,2'-METHYLENEBIS(4-ETHYL-6-tert-BUTYLPH ENOL)		2	Group t-TDI: 0.025 mg/kg b.w. for 2,2'-methylenebis(4-methyl-6-te rt.butylphenol). Available: two 90-day oral rat studies, 4-month oral dog study. (RIVM Doc/Tox 300/418 April 1983).		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					Needed: mutagenicity studies.			
66480	00119-47-1	2,2'-METHYLENEBIS(4-METHYL-6-tert-BUTYLPHENOL)		2	Group t-TDI: 0,025 mg/kg b.w. for 2,2'-methylenebis(4-ethyl-6-tert. butylphenol). Available: two 90-day oral rat studies, 4-month oral dog study. (RIVM doc./Tox 300/418 April 1983). Needed: mutagenicity studies.		+	+
66560	04066-02-8	2,2'-METHYLENEBIS(4-METHYL-6-CYCLOHEXYLPHENOL)		2	TDI: 0.05 mg/kg b.w. 2-year oral rat and dog studies. (RIV October 1969).	PO,PS/Same 39045	+	+
66580	00077-62-3	2,2'-METHYLENEBIS(4-METHYL-6-(1-METHYL-CYCLOHEXYL) PHENOL)		D			+	+
66600	26545-58-4	*METHYLENEBIS(NAPHTHALENESULPHONIC ACID), DISODIUM SALT		8		PS	+	
66620	00075-09-2	METHYLENE CHLORIDE		P		PC	+	+
66640	09004-59-5	METHYLETHYLCELLULOSE		2	Group TDI: not specified based on Group ADI (=not specified) for certain modified celluloses. (JECFA, 35 M., 1989).	PS	+	+
66655	00078-93-3	*METHYL ETHYL KETONE		P			+	+
66675	?	*METHYLHEPTADECANOIC ACID		D		Same 62620	+	+
66680	00095-71-6	*METHYLHYDROQUINONE		8		UP/Same 21850	+	
66695		METHYLHYDROXYMETHYLCELLULOSE		2	Group TDI: not specified based on group ADI (= not specified) for certain modified celluloses. (JECFA 35 M., 1989).			+
66700	09004-65-3	METHYLHYDROXYPROPYLCELLULOSE		2	Group TDI: not specified based on group ADI (= not specified) for certain modified celluloses. (JECFA 35M., 1989).			+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
66715	00693-98-1	*2-METHYLIMIDAZOLE		8				+
66720		See 66755		D		Same 66755	+	+
66725	00108-10-1	*METHYL ISOBUTYL KETONE		P			+	+
66740	00814-78-8	*METHYL ISOPROPENYL KETONE (=2-METHYL-2-PENTEN-4-ONE)		8		PS/Same 21910	+	
66745	-	*METHYL ISOPROPENYL KETONE-STYRENE, COPOLYMER		9		PS	+	
66755	02682-20-4	2-METHYL-4-ISOTHIAZOLIN-3-ONE		4	See references for 43760 in list 4.		+	+
66770		*METHYL METHACRYLATE-3-[2-(METHACRYLOXY)ETHYL]-2 ,2-SPIROCYCLOHEXYLOXAZOLIDINE, COPOLYMER		9				+
66785	00109-02-4	N-METHYLMORPHOLINE		5				+
66800	00139-99-1	*METHYL OLEATE, SULPHATED		D	L8	A/L8	+	
66820	00923-02-4	*N-METHYLOLMETHACRYLAMIDE		6A		Same 21970		+
66840	00107-83-5	*2-METHYLPENTANE		8		S1(33440)	+	
66860	00108-11-2	*4-METHYL-2-PENTANOL		8				+
66880		See "66950"		D			+	
66890		*METHYLPHENYLPOLYSILOXANES		9				+
66905	00872-50-4	*N-METHYLPYRROLIDONE		8	(RIVM doc. 21.03.1989).			+
66950	-	*alpha-METHYLSTYRENE-STYRENE, COPOLYMER, HYDROGENATED		9		Pol	+	
66960	68441-38-3	*alpha-METHYLSTYRENE-VINYLTOLUENE, COPOLYMER, HYDROGENATED		7-P	Available: 90-day oral rat and dog studies. Needed: molecular weight and its distribution and migration. Data lacking for the monomers.		+	
67040	14295-72-8	*1(4-METHYLSULPHONYLPHENYL)-3-(4-CHLOROP HENYL)-DELTA-2-PYRAZOLINE		8		PA,PS	+	+
67120	12001-26-2	MICA		3	Inert silicate.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
67160	-	MIXTURE OF:60% ALKYL(C11-C14)-BIS(HYDROXYETHYL)SUL PHONIUM GLYCOLSULPHATE 17.9% ALKYL(C11-C14)-BIS(HYDROXYETHYL)SULPHONI UM SULPHATE 2,6% ALKYL (C11-C14)BIS(HYDROXYETHYL)SULPHONIUM BISULPHATE 19.5 % ALKYL (C1-C14)HYDROXYETHYL SULPHIDE		D		See single items	+	
67200	01317-33-5	MOLYBDENUM DISULPHIDE		3	Inert, insoluble material.	PA,PTFE	+	+
67280	00108-90-7	MONOCHLOROBENZENE		2	TDI: 0.6 mg/kg b.w. 90-day oral rat study, 2 year oral mouse and rat studies, Ames list negative, in vitro mutagenicity test positive. (Appendix to RIVM report 758701004 March 1990).		+	+
67300		*MONO- AND DIALKYL(C8-C18)AMINE, ACETIC AND HYDROCHLORIC SALTS		9				+
67315		*MONO- AND DIALKYL(C8-C18)AMINE-BUTYLENE OXIDE COPOLYMER		9				+
67325		*MONO- AND DIALKYL(C8-C18)AMINE-ETHYLENE OXIDE COPOLYMER		9				+
67330		*MONO- AND DIALKYL(C8-C18)AMINE-PROPYLENE OXIDE COPOLYMER		9				+
67345	85251-77-0	*MONO- AND DIGLYCERIDES OF FATTY ACIDS(C16-C18)		9				+
67355	-	*MONO-, DI- AND TRIALKYL(C4-C18)PHENYL ETHERS OF POLY(ETHYLENE-AND/OR PROPYLENE- AND/OR BUTYLENEGLYCOL)ACETIC ACID		9		PO,PS	+	
67360	67649-65-4	MONO-n-DODECYLTIN TRIS(ISOOCTYL MERCAPTOACETATE)		2	t-TDI: 0.4 mg/kg b.w. pending results of in-vivo test for unscheduled DNA synthesis. Available: 10- and 90-day oral rat studies, mutagenicity tests	PVC	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					negative except human lymphocytes. (RIVM report 02-04-1990). Postponed for cs/pm/2006.			
67420	00141-43-5	*MONOETHANOLAMINE		8		PO,PVC	+	+
67440	-	*MONOETHANOLAMINE ALKYL SULPHATE		9			+	
67442	90583-16-7	*MONOETHANOLAMINE ALKYL(C12-C14)SULPHATE		9		S1(67440)	+	
67460	04722-98-9	*MONOETHANOLAMINE DODECYL SULPHATE		8		Cov.by 67440		+
67520	54849-38-6	MONOMETHYLTIN TRIS(ISOOCTYL MERCAPTOACETATE)		2	Group t-TDI of 0.003 mg/kg b.w. (as Sn) (with dimethyltin bis(iso octyl mercaptoacetate). See references for 49600 in list 2.	PVC,PVCC	+	+
67600	-	MONO-n-OCTYLTIN TRIS(ALKYL(C10-C16) MERCAPTOACETATE)		2	Group t-TDI: 0.02 mg/kg b.w. (as Sn) with 67680 and 67760. See references for mono-n-octyltin tris(isooctyl mercaptoacetate).	PVC,PVCC	+	+
67680	27107-89-7	MONO-n-OCTYLTIN TRIS(2-ETHYLHEXYL MERCAPTOACETATE)		2	Group t-TDI: 0.02 mg/kg b.w. (as Sn)(with 67760 and 67600). See references for 67760 in list 2.	PVC	+	
67760	26401-86-5	MONO-n-OCTYLTIN TRIS(ISOOCTYL MERCAPTOACETATE)		2	Group t-TDI: 0.02 mg/kg bw (as Sn). Needed: mutagenicity studies for chromosome aberration in human lymphocytes, reproduction and teratogenicity studies and migration data on the non-tin part of the molecules. Several oral short term and semichronic studies in rats and dogs, oral chronic study in rats with mixture of mono- and di-octyltin chloride. Several mutagenicity studies in vitro and in vivo. (RIVM doc. May 1989).	PVC,PVCC	+	+
67840		MONTANIC ACIDS (PURIFIED) AND/OR THEIR ESTERS WITH ETHYLENEGLYCOL AND/OR WITH		3	3-4 month oral dog, 3 month rat and 2-year rat studies plus	A/3 products examined under	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		1,3-BUTANEDIOL AND/OR GLYCEROL			negative Ames tests. (RIVM report 05-03-1990).	this item.		
67850	08002-53-7	MONTAN WAX		3	Inert compound, specifications needed.	SCF:Spec(P)	+	+
67860	90431-92-8	*MONTMORILLONITE, ACID, ACTIVATED		9				+
67870	00110-91-8	MORPHOLINE		5		A	+	
67878	-	MORPHOLINE, ITS SALTS OF ACIDS, ALIPH., MONOCARB., SAT., MORE THAN C7		5			+	
67882	-	MORPHOLINE, ITS SALTS OF ACIDS, ALIPH., MONOCARB., UNSAT., MORE THAN C7		5		A	+	
67887		*MUSTARDSEED OIL, SULPHATED AMMONIUM, POTASSIUM, OR SODIUM SALT		9		Cov.by 54640		+
67891	00544-63-8	MYRISTIC ACID		1	ADI: NS (SCF, 25th Series, 1989).	S1(30620)/Same 22350	+	
67895	25263-97-2	*MYRISTIC ACID, ISOBUTYL ESTER		7	Needed: hydrolysis data.	S1(31200)	+	
67898	00544-64-9	*MYRISTOLEIC ACID		8		S1(30620)/Same 22355	+	
67900	08030-30-6	*NAPHTHA		9				+
67910	00085-47-2	*1-NAPHTHALENESULPHONIC ACID		8		S1(35920)	+	+
67912	00120-18-3	*2-NAPHTHALENESULPHONIC ACID		8		S1(35920)	+	
67924		*NAPHTHENIC ACIDS, CERIUM SALTS		P				+
67930	61789-51-3	*NAPHTHENIC ACIDS, COBALT SALTS		9	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707). L9 for napthenic acids.	UP		+
67942	61788-56-5	*NAPHTHENIC ACIDS, LITHIUM SALTS		9	L9 for naphthenic acid. L2 for the Li. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.			+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
67946	01336-93-2	*NAPHTHENIC ACIDS, MANGANESE SALT		9	L9 for naphthenic acids. L2 for the Mn. Group TDI: 0.01 mg/kg b.w. See references for 30180 in L2 in this report.	UP		+
67950		*NAPHTHENIC ACIDS, SALTS		9				+
67966	72854-21-8	*NAPHTHENIC ACIDS, ZIRCONIUM SALT		P	L9 for naphthenic acids. Postponed for Zr.	UP		+
68000	-	*NAPHTHENIC MINERAL OIL		9		Present in 71120	+	
68001	-	NAPHTHENIC MINERAL OIL (HYDROGENATED)		2	Group t-TDI: 0.05 mg/kg b.w. See references for 59935 in list 2. Purity criteria to be established.		+	
68002	-	NAPHTHENIC MINERAL OIL (CONVENTIONAL)		2	Group t-TDI: 0.005 mg/kg b.w. See references for 59950 in list 2. Purity criteria to be established.		+	
68020	00135-19-3	*2-NAPHTHOL		8				+
68040	03333-62-8	7-(2-H-NAPHTHO-(1.2-D)TRIAZOL-2-YL)-3-PHENYLCOUMARIN		2	TDI: 1 mg/kg b.w. 90-day oral rat and dog studies, two mutagenicity tests. (RIVM 300/234 Tox/75, July 1981).		+	+
68060		*NEODECANOIC ACID, CERIUM SALT		P	L8 for neodecanoic acid. Postponed for Ce.			+
68070	52270-44-7	*NEODECANOIC ACID, COBALT(II)SALT		8	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707). L8 for neodecanoic acid.	PET	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
68078	27253-31-2	*NEODECANOIC ACID, COBALT SALT		8	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707) L8 for neodecanoic acid.	Similar to 68070		+
68080		See "68040"		D			+	+
68090	27253-30-1	*NEODECANOIC ACID, LITHIUM SALT		8	L8 for neodecanoic acid. L2 for the Lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.	Cov.by 31120		+
68100	27253-32-3	*NEODECANOIC ACID, MANGANESE SALT		8	L8 for neodecanoic acid. L2 for the Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.	Cov.by 31120		+
68110		*NEODECANOIC ACID, SALTS		8		Cov.by 30560		+
68115	39049-04-2	*NEODECANOIC ACID, ZIRCONIUM SALT		P	L8 for neodecanoic acid. Postponed for Zr.			+
68125	68187-64-4	NEPHELINE SYENITE		3	Inert material.	PVDC	+	
68140	07697-37-2	NITRIC ACID		2	TDI: 3 mg/kg bw based on ADI= 5 mg/kg bw on sodium nitrate. (SCF, XXth Series,in press).			+
68150	00112-05-0	*NONANOIC ACID		8		S1(30620)/Same 22465	+	
68175	25154-52-3	*NONYLPHENOL		9				+
68180		See "68125"		D			+	
68185	00104-40-5	*4-NONYLPHENOL		8		Same 22540		+
68195	00500-38-9	*NORDIHYDROGUAIARETIC ACID		8				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
68210	32536-52-0	OCTABROMODIPHENYL ETHER		5		A	+	
68225	00112-92-5	1-OCTADECANOL		3	See references for same substance in monomer report.	PS/Same 25555	+	+
68240	00124-30-1	*OCTADECYLAMINE		8		PA	+	
68320	02082-79-3	OCTADECYL 3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL) PROPIONATE		2	TDI: 0.1 mg/kg b.w. Several oral rat studies (3-weeks to 3-months), 2-year oral studies in mice and rats, two-generation and teratogenicity studies, mutagenicity tests. (RIVM doc. 31-03-92).		+	+
68400	10094-45-8	*OCTADECYLERUCAMIDE		P		PA	+	
68480	16545-53-2	*OCTADECYL (4-HYDROXY-3,5-DIMETHYLBENZYL)MERCA PTOACETATE		8			+	+
68560	00124-07-2	n-OCTANOIC ACID		D		Same 41960	+	
68640	07435-02-1	*n-OCTANOIC ACID, CERIUM SALT		P		PTFE	+	+
68650	06700-85-2	*n-OCTANOIC ACID, COBALT SALT		P	L3 for Cobalt. R = 0.05 mg/kg of food (as Co) (RIVM, summary data, October 1992)(CS/PM/1707). Postponed for n-octanoic acid.	UP		+
68680	16577-52-9	n-OCTANOIC ACID, LITHIUM SALT		0-2	L2 for the Lithium. Group TDI : 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report. L0 for n-octanoic acid.	Cov.by 31120		+
68690	06535-19-9	n-OCTANOIC ACID, MANGANESE SALT		2	L2 for the Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report. Postponed for octanoic acid.	UP/Cov.by 31120		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
68700		*OCTANOIC ACID, SALTS		D		Cov.by 41960		+
68720		See "68775"		D			+	+
68730	18312-04-4	OCTANOIC ACID, ZIRCONIUM SALT		P		UP		+
68750	00111-87-5	1-OCTANOL		3	See references for "Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C242)" in monomer report.	Same 22600		+
68775	05333-42-6	*2-OCTYLDODECANOL		8		PVC	+	+
68800	00106-84-3	*OCTYL EPOXYSTEARATE		6A		PVC	+	
68840	00111-88-6	*n-OCTYLMERCAPTAN		8		PS	+	
68880	00992-55-2	*2-n-OCTYLTHIO-4,6-BIS(4-HYDROXY-3,5-DI-tert-BUTYLPHENOXY)-1,3,5-TRIAZINE		8			+	+
68920		OILS, FROM FOOD SOURCES, HYDROGENATED OR NOT (with the exception of those specified elsewhere in the list)		3				+
68960	00301-02-0	*OLEAMIDE		7	Available: Ames test negative and migration data. (Rivm doc. 1990-09-12). Hydrolysis<95% (doc.CS/PM/1023). Needed: 90-day oral rat study, gene mutation and chromosome aberration in mammalian cells, bioaccumulation to be performed with erucamide, oleamide or stearamide or demonstrate full hydrolysis by method suggested by applicant (CS/PM/1550).		+	+
69040	00112-80-1	OLEIC ACID		1	ADI: not specified. (SCF, 25th Series, 1990).		+	+
69120	00142-77-8	*OLEIC ACID, BUTYL ESTER		7	Needed: hydrolysis data.		+	
69140	07492-61-7	*OLEIC ACID, CERIUM SALT		P	L1 (=not specified) for oleic acid. Postponed for Ce.			+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
69160	14666-94-5	OLEIC ACID, COBALT SALT		1-3	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707). L1 for oleic acid. See references for oleic acid.			+
69200	-	*OLEIC ACID, ESTERS WITH ALCOHOLS ALIPH., MONOH.		7	Needed: hydrolysis data.		+	
69280	00111-62-6	*OLEIC ACID, ETHYL ESTER		7	Needed: hydrolysis data.		+	
69360	42254-63-7	*OLEIC ACID, HEPTYL ESTER		7	Needed: hydrolysis data.		+	
69440	22393-86-8	*OLEIC ACID, HEXADECYL ESTER		7	Needed: hydrolysis data.		+	
69455	07384-22-7	OLEIC ACID, LITHIUM SALT		1-2	L1 (= not specified) for oleic acid. L2 for the Lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.	Cov.by 31120		+
69465	19153-79-8	OLEIC ACID, MANGANESE SALT		1-2	L1 (=not specified) for oleic acid. L2 for the Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.	Cov.by 31120		+
69480	00112-62-9	*OLEIC ACID, METHYL ESTER		7	Needed : hydrolysis data.			+
69500	00111-58-0	*OLEIC ACID, MONOETHANOLAMIDE		D		Same 61040	+	
69520	32953-65-4	*OLEIC ACID, OCTYL ESTER		7	Needed: hydrolysis data.		+	
69560	03687-45-4	*OLEIC ACID, OLEYL ESTER		7	Needed: hydrolysis data.	S1(30640)	+	
69600	00142-57-4	*OLEIC ACID, PENTYL ESTER		7	Needed: hydrolysis data.		+	
69620		*OLEIC ACID ,SULPHATED, AMMONIUM, POTASSIUM OR SODIUM SALT		9				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
69650		*OLEIC ACID, ZIRCONIUM SALT		P				+
69680	00110-25-8	*N-OLEOYLSARCOSINE		8			+	
69760	00143-28-2	OLEYL ALCOHOL		3	Precursor of oleic acid.		+	
69840	16260-09-6	OLEYLPALMITAMIDE		3	Restriction = 5 mg/kg of food or food simulant. Available: 3-month oral rat study, mutagenicity studies negative, migration data. (RIVM doc. 17.03.92).	PO	+	
69848		*ORGANOPOLYSILOXANES		9			+	
69855		*ORGANOPOLYSILOXANES CONTAINING ONE OR TWO METHYL GROUPS ON EACH SILICON ATOM (SILICONES)		9				+
69870		*ORGANOPOLYSILOXANES - POLYALKYLENEGLYCOL MONOALKYL ETHERS, CONDENSATION PRODUCTS		9				+
69885		*ORGANOPOLYSILOXANES WITH METHYL AND/OR PHENYL GROUPS (SILICONE OIL)		9				+
69900	00122-51-0	*ORTHOFORMIC ACID, TRIETHYL ESTER		D			+	
69920	00144-62-7	OXALIC ACID		2	TDI: 0.1 mg/kg b.w. 2-year oral rat study, observations in man. (J. Am. Pharm. Ass. 1947, 36, 217-219, Patty).		+	
70000	70331-94-1	2,2'-OXAMIDOBIS(ETHYL-3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL)PROPIONATE)		2	TDI: 10 mg/kg b.w. 90-day oral rat and dog studies, 2-generation rat study, 2 mutagenicity tests. (RIVM 85/627915/128 November, 1985).	PO,PS	+	+
70040	00106-84-3	OXIRANEOCTANOIC ACID, 3-OCTYL, OCTYL ESTER		D		Same 68800	+	
70080	00080-51-3	*4,4'-OXYBIS(BENZENE SULPHONYL HYDRAZIDE)		6A	Waiting for an answer to the letter from EEC (CS/PM/374) to the interested industry using RIVM conclusions in CS/PM/366.		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
70160	00149-44-0	*OXYMETHANESULPHINIC ACID, SODIUM SALT		D		Same hydroxymethanesulphinic acid, sodium salt	+	
70240	-	OZOKERITE		3	Mineral wax. Purity to be specified.	SCF:Spec(P)	+	
70320	00629-54-9	*PALMITAMIDE		8			+	+
70400	00057-10-3	PALMITIC ACID		1	ADI: not specified. (SCF, 25th Series, 1990).	Same 22780	+	+
70480	00111-06-8	*PALMITIC ACID, BUTYL ESTER		7	Needed: hydrolysis data.		+	
70500	07492-62-8	*PALMITIC ACID, CERIUM SALT		P	L1(=not specified) for palmitic acid. Postponed for Ce.			+
70530	23272-52-8	PALMITIC ACID, COBALT SALT		1-3	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707). L1 for palmitic acid. See references for palmitic acid.			+
70560	00628-97-7	*PALMITIC ACID, ETHYL ESTER		7	Needed: hydrolysis data.		+	
70640	26718-83-2	*PALMITIC ACID, HEPTYL ESTER		7	Needed: hydrolysis data.		+	
70720	00540-10-3	*PALMITIC ACID, HEXADECYL ESTER		7	Needed: hydrolysis data.		+	
70760	20259-32-9	PALMITIC ACID, IRON (III) SALT		D			+	
70780	00110-34-9	*PALMITIC ACID, ISOBUTYL ESTER		7	Needed: hydrolysis data.	S1(31200)	+	
70800	59231-33-3	*PALMITIC ACID, ISODECYL ESTER		W8		PVC/New subst.	+	
70820	20466-33-5	PALMITIC ACID, LITHIUM SALT		1-2	L1 (= not specified) for palmitic acid. L2 for the Lithium. Group TDI : 0.01 mg/kg b.w. (as Li).	Cov.by 31120		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					See references for 38000 in L2.			
70840	31678-63-4	PALMITIC ACID, MANGANESE SALT		1-2	L1 (=not specified) for palmitic acid. L2 for the Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.	Cov.by 31120		+
70860	00112-39-0	*PALMITIC ACID, METHYL ESTER		7	Needed: hydrolysis data.			+
70870	02598-99-4	*PALMITIC ACID, OCTADECYL ESTER		7	Needed: hydrolysis data.	S1(31200)	+	
70880	16958-85-3	*PALMITIC ACID, OCTYL ESTER		7	Needed: hydrolysis data.		+	
70960	31148-31-9	*PALMITIC ACID, PENTYL ESTER		7	Needed: hydrolysis data.		+	
71000		*PALMITIC ACID, ZIRCONIUM SALT		P	L1 for palmitic acid. See references for the same substance in list 1.			+
71020	00373-49-9	PALMITOLEIC ACID		0		S1(30620)/Same 22785	+	
71040	17281-74-2	*PALMITOYLBENZOYLMETHANE		8		PVC	+	+
71070/0	08002-75-3	PALM OIL ("Food grade quality")		D				+
71070/1	08002-75-3	PALM OIL		3	Food fat.	Cov.by 54400		+
71100	63449-39-8	PARAFFINS, CHLORINATED		5		A	+	+
71120	08012-95-1	*PARAFFIN OIL		9		Contains 68000	+	+
71121	-	PARAFFIN OIL (HYDROGENATED)		2	Group t-TDI: 0.05 mg/kg b.w. See references for 59935 in list 2. Purity criteria to be established.		+	
71122	-	PARAFFIN OIL (CONVENTIONAL)		2	Group t-TDI: 0.005 mg/kg b.w. See references for 59950 in list 2. Purity criteria to be established.		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
71200	-	*PARAFFIN, SYNTHETIC		9			+	
71201	-	PARAFFIN, SYNTHETIC (HYDROGENATED)		2	Group t-TDI: 0.05 mg/kg b.w. See references for 59935 in list 2. Purity criteria to be established.		+	
71280	08002-74-2 63231-60-7	*PARAFFIN WAX AND HYDROCARBON WAXES		9			+	+
71281		PARAFFIN WAX AND HYDROCARBON WAXES (HYDROGENATED)		2	Group t-TDI: 0.05 mg/kg b.w. See references for 59935 in list 2. Purity criteria to be established.		+	
71282	-	PARAFFIN WAX AND HYDROCARBON WAXES (CONVENTIONAL)		2	Group t-TDI: 0.005 mg/kg b.w. See references for 59950 in list 2. Purity criteria to be established.		+	
71283	63231-60-7	PARAFFIN WAX AND HYDROCARBON WAXES, MICROCRYSTALLINE		D		Same 71280	+	
71360	08002-03-7	PEANUT OIL		3	Food fat.		+	
71380		*PEANUT OIL, SULPHATED, AMMONIUM, POTASSIUM, OR SODIUM SALT		9		Cov.by 54640		+
71440	09000-69-5	PECTIN		1	ADI: not specified. (SCF, 7th Series, 1978).		+	+
71470	32534-81-9	PENTABROMODIPHENYL ETHER		5			+	
71500	00087-86-5	PENTACHLOROPHENOL		5/D	EC Directive (91/173/EEC). Its use is banned.			+
71520	00117-97-5	*PENTACHLOROTHIOPHENOL, ZINC SALT		8		PVC	+	
71600	00115-77-5	PENTAERYTHRITOL		2	Group TDI: 1 mg/kg b.w. (with dipentaerythritol). (SCF, 17th Series, 1986).	Same 22840	+	+
71625	54381-53-2	*PENTAERYTHRITOL DIMYRISTATE		7	Needed: hydrolysis data.	S1(30880)	+	
71635	25151-96-6	*PENTAERYTHRITOL DIOLEATE		W7	Available: one mutagenicity	New	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					test. Migration less than 0.05 mg/kg in water, alcohol and acetic acid. Restriction: not to be used in contact with fatty food. Needed: gene mutation and chromosome aberration studies.	subst/Cov.by 30880		
71645	68818-38-2	*PENTAERYTHRITOL MONOMYRISTATE	7		Needed : hydrolysis data.	S1(30880)	+	
71660	10332-32-8	*PENTAERYTHRITOL MONOOLEATE	7		Needed : hydrolysis data.	S1(30880)	+	
71680	06683-19-8	PENTAERYTHRITOL TETRAKIS(3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL)PROPIONATE)	2		TDI: 3 mg/kg b.w. Oral studies for 3 months and 2 years in rats, 3 and 4 months in dogs, lifetime in mice, reproduction and teratogenicity in mice and rats and mutagenicity studies. (RIVM report 89/678608/013, 1989-06-13).		+	+
71686	07575-23-7	*PENTAERYTHRITOL TETRAKIS(3-MERCAPTOPROPIONATE)	8			PAN,PS	+	
71695	00115-83-3	PENTAERYTHRITOL TETRASTEARATE	D			Cov.by 89520	+	
71700	03030-47-5	*N,N,N',N',N''-PENTAMETHYLDIETHYLENETRIAMINE	8					+
71710	00098-77-1	*PENTAMETHYLENEAMMONIUM-PENTAMETHYLENEDITHIOCARBAMATE	8			PUR,PVC	+	
71720	00109-66-0	PENTANE	3		Volatile.	PO,PS	+	
71760		See "71686"	D				+	
71840		See "71710"	D				+	
71920		See "71720"	D				+	
71950		*PERFLUOROALKENYLOXYBENZENESULPHONIC ACID	9					+
71960	03825-26-1	*PERFLUOROOCTANOIC ACID, AMMONIUM SALT	8		Data exist (but confidential!). Provide data.	PTFE	+	
1970	00335-67-1	*PERFLUOROOCTANOIC ACID, SODIUM SALT	8		Data exist (but confidential!).			+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					Provide data.			
72000		**See "72060"**		D			+	+
72001		**See "72061"**		D			+	
72002		**See "72062"**		D			+	
72046	07727-54-0	*PERSULPHURIC ACID, AMMONIUM SALT		8		Cov.by 72050		+
72048	07727-21-1	*PERSULPHURIC ACID, POTASSIUM SALT		8		Cov.by 72050		+
72060	08009-03-8	PETROLATUM		2	Group t-TDI= 0.005 mg/kg bw (SCF, 26th Series, 1992). Purity criteria to be established.		+	+
72061	08009-03-8	PETROLATUM (HYDROGENATED)		2	Group t-TDI: 0.05 mg/kg b.w. See references for 59935 in list 2. Purity criteria to be established.		+	
72062	08009-03-8	PETROLATUM (CONVENTIONAL)		2	Group t-TDI: 0.005 mg/kg b.w. See references for 59950 in list 2. Purity criteria to be established.		+	
72080	-	*PETROLEUM HYDROCARBON RESINS		9		PO	+	
72081	-	PETROLEUM HYDROCARBON RESINS (HYDROGENATED)		2	Group t-TDI: 0.05 mg/kg b.w. See references for 59935 in list 2.		+	
72082	-	PETROLEUM HYDROCARBON RESINS (CONVENTIONAL)		2	Group t-TDI: 0.05 mg/kg b.w. See references for 59950 in list 2.		+	
72095		*PETROLEUM WAXES		9				+
						9		
72105		*PHENOLS AND/OR CRESOLS-STYRENE AND/OR alpha- METHYLSTYRENE AND/OR (C3-C12) OLEFINS, COPOLYMERS		9			+	+
72125	68512-30-1	*PHENOL, METHYLSTYRENATED		9				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
72135	00092-84-2	*PHENOTHIAZINE		8				+
72145	00670-96-2	*2-PHENYLIMIDAZOLE		8				+
72160	00948-65-2	2-PHENYLINDOLE		2	TDI: 0.25 mg/kg b.w. 1 and 2-year oral rat studies, migration data. (Arch. Toxicol. 1964, 20, 220-225).	PVC	+	+
72240	00090-43-7	2-PHENYLPHENOL		Dx		DSP	+	+
72320	00092-69-3	*4-PHENYLPHENOL		8		DSP/Same 23140	+	
72400	00132-27-4	2-PHENYLPHENOL, SODIUM SALT		D	Deleted. Covered by 72240.	DSP/Cov.by 72240	+	+
72480	03645-61-2	*4-PHENYLPHENOL, SODIUM SALT		D	Deleted. Covered by 72320.	DSP/Cov.by 72320	+	
72560	07144-65-2	*3-(2-PHENYL)PHENOXY-1,2-EPOXYPROPANE		6A		PVC,PVDC	+	+
72600	00064-10-8	*PHENYLUREA		8				+
72620		*PHOSPHONIC ACID, ESTERS		9			+	
						9		
72640	07664-38-2	PHOSPHORIC ACID		1	MTDI: 70 mg/kg b.w. (as P). (SCF, 25th Series, 1990).		+	+
72700	26444-49-5	*PHOSPHORIC ACID, CRESYL DIPHENYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, neurotoxicity studies too.			+
72720	02197-63-9	*PHOSPHORIC ACID, DI-n-HEXADECYL ESTERS		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation study and neurotoxicity studies too.	A	+	
72760	03138-43-0	*PHOSPHORIC ACID, DI-n-NONYL ESTER		6B	Group R: 0.025 mg/kg b.w.	PAM	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation study and neurotoxicity studies too.			
72800	01241-94-7	*PHOSPHORIC ACID, DIPHENYL 2-ETHYLHEXYL ESTER		6B-f	Group R: 0.025 mg/kg b.w. Available: neurotoxicity, 2 teratogenicity and 3 mutagenicity studies. Inadequate 2-year oral rat study also. Needed: remaining toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation study too.	PVC,PVDC	+	+
72840	00078-31-9	*PHOSPHORIC ACID, DIPHENYL-p-TOLYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and if migration exceeds 0.050 mg/kg neurotoxicity studies too.			+
72880	97489-40-2	*PHOSPHORIC ACID, ETHANOLAMINE HEXYL BRANCHED AND LINEAR ESTER		9	Group R: 0.025 mg/kg b.w.		+	
72910	01241-94-7	PHOSPHORIC ACID, 2-ETHYLHEXYL DIPHENYL ESTER		D		Same 72800	+	
72940	10402-24-1	PHOSPHORIC ACID, IRON SALT		D			+	
72960	07446-27-7	*PHOSPHORIC ACID, LEAD (II) SALT		D		Only for water pipes	+	
73040	13763-32-1	PHOSPHORIC ACID, LITHIUM SALTS		1-2	Group TDI: 0.01 mg/kg b.w. (as Li). See references for benzoic acid, lithium salt. MTDI: 70 mg/kg bw (as P). (SCF, 25th Series, 1991).	PUR	+	
73120	10124-54-6	PHOSPHORIC ACID, MANGANESE SALT		1-2	L2 for Manganese. Group TDI: 0.01 mg/kg b.w. (as Mn).	PA,PUR	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					See references for acetic acid, manganese(II) salt. L1 for Phosphoric acid. MTDI: 70 mg/kg bw. (as P) (SCF, 25th Series, 1991)			
73200	-	*PHOSPHORIC ACID, MONO- AND DIESTERS WITH ALCOHOLS, ALIPH. (C9-C18), DIETHANOLAMINE SALT		9	Group R : 0.025 mg/kg b.w.	PTFE	+	
73280	-	*PHOSPHORIC ACID, MONO AND DIESTERS WITH ALCOHOLS, ALIPH. (C9-C18), SALTS		9		PAM,PTFE	+	
73300		*PHOSPHORIC ACID, MONO- AND DIESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C2-C4)		9				+
73320		*PHOSPHORIC ACID, MONO- AND DIESTERS WITH ALCOHOLS, MONOHYDRIC, SATURATED, PRIMARY, LINEAR (C12-C18), DIETHANOLAMINE SALT		9		Cov.by 73200		+
73340		*PHOSPHORIC ACID, MONO- AND DIESTERS WITH ALCOHOLS, MONOHYDRIC, SATURATED, PRIMARY, LINEAR (C12-C18), SALTS		9		Cov.by 73280		+
73360	03539-43-3	*PHOSPHORIC ACID, MONO-n-HEXADECYL ESTER		W7	Needed: hydrolysis data.	A/	+	
73440	03900-04-7	*PHOSPHORIC ACID, MONO-n-HEXYL ESTER		7	Needed: hydrolysis data.		+	
73480	?	*PHOSPHORIC ACID, NONYL ESTER, SODIUM SALT		9	Group R: 0.025 mg/kg b.w.	ABS,PS/Cov.by 73280	+	
73520	39471-52-8	*PHOSPHORIC ACID, OCTADECYL ESTERS		W/P		A/New subst.	+	
73540		*PHOSPHORIC ACID, SALT OF LONG CHAIN CARBOXYLIC ACID POLYAMINOAMIDE		9				+
73570		*PHOSPHORIC ACID, TRIALKYL(C4-C16) ESTER		9				+
73600	00078-51-3	*PHOSPHORIC ACID, TRIBUTOXYETHYL ESTER		6B	Group R: 0.025 mg/kg b.w. Available: Ames test, 14-day and 18-week oral rat studies. Needed: remaining toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					studies and neurotoxicity study too.			
73680	00126-73-8	*PHOSPHORIC ACID, TRIBUTYL ESTER		6B	Group R: 0.025 mg/kg b.w. Available: Ames test and several subchronic oral rat studies. Needed: remaining toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies and neurotoxicity study too.		+	+
73720	00115-96-8	*PHOSPHORIC ACID, TRICHLOROETHYL ESTER		6B	Group R: 0.025 mg/kg b.w. Available: Lefaux data inadequate. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg,neurotoxicity study too.	UP	+	
73760	-	*PHOSPHORIC ACID, TRIETHANOL ESTER		9	Group R: 0.025 mg/kg b.w.	PTFE/give formula	+	+
73840	00126-71-6	*PHOSPHORIC ACID, TRIISOBUTYL ESTER		6B	Group R: 0.025 mg/kg bw. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg peroxisome proliferation studies and neurotoxicity study too.		+	+
73920	00115-86-6	*PHOSPHORIC ACID, TRIPHENYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, neurotoxicity study too.	CA,PES,PET	+	
73960		*PHOSPHORIC ACID, TRIS(ALKOXYALKYL C3-C8) ESTER		9				+
74000	00078-42-2	*PHOSPHORIC ACID, TRIS(2-ETHYLHEXYL) ESTER		6B	Group R: 0.025 mg/kg b.w. Available: Ames test, 90-day and 2-year oral mouse and rat		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					studies. Needed: remaining toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies and neurotoxicity studies too.			
74020	20227-53-6	*PHOSPHOROUS ACID, 2-tert-BUTYL-ALPHA-(3-tert-BUTYL-4-HYDROXYPHENYL) p-CUMENYL BIS(4-NONYLPHENYL) ESTER	8					+
74040	04712-55-4	*PHOSPHOROUS ACID, DIPHENYL ESTER	8					+
74060		*PHOSPHOROUS ACID, TRIALKYL(C8-C12) ESTER	9					+
74080	25448-25-3	*PHOSPHOROUS ACID, TRIISODECYL ESTER	6B		Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies and neurotoxicity study too.		+	
74160	13423-78-4	*PHOSPHOROUS ACID, TRIS-2-(CYCLOHEXYLPHENYL) ESTER	6B		Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, neurotoxicity study too.	PC	+	+
74240	31570-04-4	PHOSPHOROUS ACID, TRIS(2,4-DI-tert-BUTYLPHENYL) ESTER	2		TDI: 1 mg/kg b.w. 90-day and 2-year oral rat studies, 2-generation study in rats and mutagenicity studies. (HRC report CBG 167/76339, 18 Aug.1976, LSR 80/CIA 015/111, 21 Oct. 1980, Ciba-Geigy 82 0873 Feb. 1985).		+	+
74320	39865-35-5	*PHOSPHOROUS ACID, TRIS((3-ETHYL-3-OXETANYL)- METHYL) ESTER	6B		Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg,	PC	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					peroxisome proliferation studies and neurotoxicity study too.			
74400	26523-78-4 01333-21-7	PHOSPHOROUS ACID, TRIS(NONYL-AND/OR DINONYLPHENYL) ESTER		2	TDI: 0.5 mg/kg b.w. 90-day oral rat and 2-year oral rat and dog studies, 3 generation oral rat reproduction study, 3 negative mutagenicity studies. (RIVM 08-1-1990).	Add 3 CAS N.= 08012-67-7	+	+
74455	-	PHTHALATE MIXTURE OF THE ETHYL- OR BUTYLESTER OF GLYCOLIC ACID WITH ALIPH, MONOH, ALCOHOLS (C1-C4)		D		PUR,PVC,PVDC/Same as 76000,76080	+	
74480	00088-99-3	o-PHTHALIC ACID		2	Group TDI: 1 mg/kg b.w. Included in the group TDI for phthalic anhydride.	Same 23200	+	+
74560	00085-68-7	PHTHALIC ACID, BENZYL BUTYL ESTER		2	t-TDI: 0.1 mg/kg b.w. Available: 6-month oral rat study, carcinogenicity and peroxisome proliferation studies in vitro. (RIVM 1987, September). Needed: reproduction, teratogenicity and peroxisome proliferation studies in rats (EM).	PVC,PVDC	+	+
74600		*PHTHALIC ACID, BIS(ALKOXYALKYL C3-C18) ESTER		9				+
74640	00117-81-7	PHTHALIC ACID, BIS(2-ETHYLHEXYL) ESTER		2	TDI: 0.025 mg/kg b.w. Oral carcinogenicity studies in mice and rats, 9 month oral rat study, oral fertility and teratogenicity studies in mice, special studies on testicular effects, mutagenicity tests and tests for peroxisome proliferation. (RIVM 1986, June).		+	+
74720	00117-82-8	*PHTHALIC ACID, BIS(2-METHOXYETHYL) ESTER		6B-P	R: 0.05 mg/kg (by analogy with ethyleneglycol monoethyl ether). Suspected of embriotoxicity/teratogenicity.	CA,PVC	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					Available: some studies, but inadequate.			
74760	27987-25-3	*PHTHALIC ACID, BIS(METHYLCYCLOHEXYL) ESTER		9				+
74800	68515-41-3	*PHTHALIC ACID, DIALKYL (C7-C11) ESTERS		68-P	Group R: 0.025 mg/kg b.w. Needed: in first instance specifications. Toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies on specified substances.	Similar to 23230	+	+
74880	00084-74-2	PHTHALIC ACID, DIBUTYL ESTER		2	t-TDI: 0.05 mg/kg b.w. Available: limited 90-day and 1-year oral rat studies, oral reproduction and teratogenicity studies, limited mutagenicity studies. (RIVM report, May 1988). Needed: 28-day oral study, peroxisome proliferation study, tests for gene mutation and chromosome aberration in mammalian cells in vitro.		+	+
74960	00084-61-7	PHTHALIC ACID, DICYCLOHEXYL ESTER		2	t-TDI: 0.1 mg/kg b.w. Available: three 90-day oral rat studies, limited in vitro mutagenicity studies (RIVM 1988). Needed: reproduction and teratogenicity studies, tests for gene mutation and chromosome aberrations in mammalian cells in vitro.		+	+
75040	-	PHTHALIC ACID, DIESTERS WITH HEXADECANOL AND/OR OCTADECANOL		2	t-TDI : 0.15 mg/kg bw. Available: 3 months oral rat study, teratogenicity study and Ames test negative. (RIVM doc. 1990-09-11, CS/PM/529). Needed: reproduction study, gene mutation and chromosome aberration in mammalian cells		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					in vitro.			
75120	00084-66-2	PHTHALIC ACID, DIETHYL ESTER		2	t-TDI: 0.2 mg/kg b.w. Available: a 3-month oral rat study, in vitro mutagenicity studies, i.p. teratogenicity studies and peroxisome proliferation studies. (Fd. Cosm. Toxicol. 1978, 16, 415-422, RIVM 1986, June). Needed: teratogenicity study.		+	+
75200	03648-21-3	*PHTHALIC ACID, DI-n-HEPTYL ESTER		6B	Group R: 0.025 mg/kg b.w. Available: Ames test. Needed: remaining toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.		+	
75280	00084-69-5	*PHTHALIC ACID, DIISOBUTYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.		+	+
75360	?	PHTHALIC ACID, DIISODECYL ESTER		2-P	t-TDI: 0.05 mg/kg b.w.pending establishment of NOEL for peroxisome proliferation in rats by EM and adequate reproduction and teratogenicity studies. Available: 90-day oral rat and dog studies, mutagenicity studies. (RIVM report, 1 September 1987). To be re-examined (CS/PM/568).	Mixt	+	+
75440	?	PHTHALIC ACID, DIISONONYL ESTER		2-P	t-TDI: 0.03 mg/kg b.w. Available: a 2-year oral rat study, teratogenicity, mutagenicity and peroxisome proliferation studies. (Exxon project n. 326075, January 13, 1986).	CAS N. to be added (CS/PM/568)/Mix t	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					Needed: reproduction and teratogenicity studies. To be re-examined (cs/pm/568).			
75520	27554-26-3	*PHTHALIC ACID, DIISOOCTYL ESTER		9	Group R: 0.025 mg/kg b.w.		+	+
75600	00131-11-3	*PHTHALIC ACID, DIMETHYL ESTER		6B/P	Group R: 0.025 mg/kg b.w. Needed: (to be fixed at 55M).		+	
75640	00084-77-5	*PHTHALIC ACID, DI-n-DECYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.			+
75680	00084-76-4	*PHTHALIC ACID, DI-n-NONYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: specification on identity and toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too on the specified substances.		+	
75760	14117-96-5	*PHTHALIC ACID, DI-n-OCTADECYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.		+	
75840	00117-84-0	*PHTHALIC ACID, DI-n-OCTYL ESTER		6B/P	Group R: 0.025 mg/kg b.w. Needed: to be fixed at 55 M.		+	+
75920	00119-06-2	*PHTHALIC ACID, DI-n-TRIDECYL ESTER		6B	Group R: 0.025 mg/kg b.w. Available: Ames test. Needed: remaining toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.		+	
76000	-	*PHTHALIC ACID, MIXED ESTERS WITH BUTYL		9	Group R: 0.025 mg/kg b.w.		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		GLYCOLATE AND ALCOHOLS, ALIPH.,MONOH., (C1-C4)						
76005	00085-70-1	*PHTHALIC ACID, MIXED ESTERS WITH BUTYL GLYCOLATE AND BUTANOL		6B	Group R: 0.025 mg/kg b.w. Available: 30-day and 1-year oral rat studies and mutagenicity studies all inadequate. Needed: remaining toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.		+	+
76080	-	*PHTHALIC ACID, MIXED ESTERS WITH ETHYL GLYCOLATE AND ALCOHOLS, ALIPH.,MONOH., (C1-C4)		9	Group R: 0.025 mg/kg b.w.		+	
76085	00084-72-0	*PHTHALIC ACID, MIXED ESTERS WITH ETHYL GLYCOLATE AND ETHANOL		6B	Group R: 0.025 mg/kg b.w. Available: 4-month and 2-year rat and 1-year dog studies all inadequate. Needed: remaining toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.		+	+
76120	68442-70-6	*PHTHALIC ACID, n-HEXADECYL n-OCTYL ESTER		6B-P	Group R: 0.025 mg/kg bw. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, proliferation studies too.	Cov.by 75040		+
76160	01240-18-2	*o-PHTHALIC ACID, n-PENTYL BENZYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.	PVC,PVDC	+	
76240	68389-55-9	*o-PHTHALIC ACID-2,2-TRIETHYLENEGLYCOL BENZOATE, COPOLYMER		9			+	
76320	00085-44-9	PHTHALIC ANHYDRIDE		2	Group TDI: 1 mg/kg b.w.	Same 23380	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					(SCF, 17th Series, 1986).			
76400	07681-93-8	PIMARICIN		Dx	Postponed. Waiting for an answer to the circular letter from EEC (CS/PM/324) asking informations on technological function of the substance. Date limit: 30.6.90.		+	+
76430	08002-09-3	*PINE OIL		8				+
76445	09003-05-8	*POLYACRYLAMIDE		9				+
76455	-	*POLYACRYLATES AND/OR POLYMETHACRYLATES, SALTS		9		PO	+	
76460		*POLYACRYLIC ACID		9		ABS,PA,PO,PS,PP ,PPO,PVC,PVCC	+	+
76480	-	*POLYAMIDES (MW>6000)		9	In first instance, specify the nature of starting substances and provide the MW distribution curve.	POM	+	
76490		*POLYAMIDES FROM DIMERIZED VEGETABLE OILS AND THE AMINE CATALYSTS LISTED IN FDA 21CFR 175.300(b)(3)(VIII)(b)		9				+
76500		*POLYAMIDES MADE BY REACTING ACIDS, DICARBOXYLIC, LINEAR (C2-C4) WITH DIAMINES (C2-C4)		9		PA/Cov.by 76480	+	
76510		*POLYBUTADIENE		9		PS	+	
76513		*POLYBUTADIENE, MALEIMIDISED		9			+	
76516		*POLYBUTADIENE, SILYLATED		9			+	
76520		*POLYBUTENE		9		PO	+	
76530		*POLYBUTENE, HYDROGENATED		9				+
76540		*POLYBUTYL ACRYLATE		9		PVCC	+	
76550		*POLY(BUTYLENE-ETHYLENE-PROPYLENE)GLYCOL		9				+
76560		See "76670"		D			+	
76570	25190-06-1	*POLYBUTYLENEGLYCOL		9				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
76580		*POLYBUTYLENEGLYCOL ALKYL(C4-C18) ETHER		9				+
76590		*POLYBUTYLENEGLYCOL ALKYL(C8-C18) THIOETHER		9				+
76600		*POLYBUTYLENEGLYCOL DERIVATIVES OF SORBITAN ESTERS OF ACIDS, LINEAR (C8-C22, EVEN)		9				+
76610		*POLYBUTYLENEGLYCOL DERIVATIVES OF SORBITOL ESTERS OF ACIDS, LINEAR (C8-C22, EVEN)		9				+
76620		*POLYBUTYLENEGLYCOL ESTER OF CASTOR OIL		9				+
76630		*POLYBUTYLENEGLYCOL ETHERS OF MONO-, DI-, AND TRIALKYL(C4-C18) PHENOL		9				+
76640		See "76690"		D			+	
76646		*POLYBUTYLENEGLYCOL ETHERS OF MONO-, DI-, AND TRIALKYL(C4-C18) SULPHONATED PHENOL		9				+
76660		*POLYCARBONATES		9		PET,PPO,PS,PVC, PVCC	+	
76670	-	*POLYCYCLOPENTADIENE, HYDRATED		9		PP/	+	
76680		*POLYCYCLOPENTADIENE, HYDROGENATED		9-1'	Data available for 55M	PO/CAS requested 68132-00-3 not complies with name	+	
76690	-	*POLYDIENIC RESIN SYNTHETIC, (M.W. ABOUT 1000)		9			+	
76700	74330-93-1	*POLY[2-(DIETHYLAMINO)ETHYL METHACRYLATE] PHOSPHATE		9				+
76720	09016-00-6 63148-62-9	POLYDIMETHYLSILOXANE (M.W.13500-90000)		2	TDI: 1.5 mg/kg b.w. based on ADI= 1.5 mg/kg bw. (JECFA 34 M., MW 13500-30000).		+	
76730		POLYDIMETHYLSILOXANE, gamma-HYDROXYPROPYLATED		2	TDI: 0.1 mg/kg b.w. 90-day oral rat study, mutagenicity tests, in-vitro	PVC/New subs	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					and in-vivo. (RIVM report, 1990-04-26).			
76740	116810-47-0	*POLYDIMETHYLSILOXANE, GAMMA-HYDROXYPROPYLATED, DIESTERS WITH POLYCAPROLACTONE, DIACETATE		9				+
76750		*POLYESTERS OF ACRYLIC AND METHACRYLIC ACIDS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C1-C18)		9		PVC	+	
76760	-	*POLYESTERS OF ADIPIC ACID AND/OR AZELAIC ACID WITH 1,2-PROPANEDIOL, 1,3- AND 1,4-BUTANEDIOL OR 1,6-HEXANEDIOL		9		PAM,PVDC	+	+
76780		*POLYESTER OF ADIPIC ACID WITH 1,3-BUTANEDIOL		9-F	Data available for SSH	PVC	+	
76790	-	*POLYESTER OF ADIPIC ACID WITH 1,3- AND/OR 1,4-BUTANEDIOL AND/OR 1,2-PROPANEDIOL, WITH FREE HYDROXYL GROUPS ACETYLATED		9		PAM,PS,PVC,PVDC	+	+
76800		See "76940"		D			+	
76805		*POLYESTER OF ADIPIC ACID WITH 1,3-BUTANEDIOL AND 1,6-HEXANEDIOL		9		PVC	+	+
76810		*POLYESTERS PRODUCED BY REACTING ADIPIC ACID, GLYCEROL, AND ACIDS, ALIPHATIC, MONOCARBOXYLIC, SATURATED, LINEAR (C6-C22)		9		PVC	+	+
76820		*POLYESTER OF ADIPIC ACID WITH PROPANEDIOL		8		PVC	+	+
76830		*POLYESTER FORMED FROM ADIPIC, AZELAIC, DECANEDI- CARBOXYLIC, GLUTARIC, MALEIC, PHTHALIC, SEBACIC, SUCCINIC ACIDS WITH ONE OR MORE DIOLS (C2-C6), GLYCEROL, MANNITOL, 2,2-BIS(4-HYDROXYPHENYL)PRO PANE, PENTAERYTHRITOL,SORBITOL.THE TERMINAL GROUP ETC		9			+	
76840		*POLYESTERS OF AZELAIC ACID WITH n-HEXANOL AND 2-ETHYLHEXANOL		9			+	+
76850	-	*POLYESTER OF PENTAERYTHRITOL WITH ADIPIC ACID AND OLEIC ACID		9		PVC	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
76860	-	*POLYESTER OF PENTAERYTHRITOL WITH ADIPIC ACID AND UNSUBSTITUTED ALIPH., MONOCARB. ACIDS (C16-C22)		9		PA,PVC	+	
76870		*POLYESTERS PROD.BY REACTING 5 MOLES OF PENTAERYTHRITOL WITH 4 MOLES OF ADIPIC ACID AND 12 MOLES OF OLEIC ACID AND/OR POLYESTER PROD.BY REACTING 7 MOLES OF PENTAERYTHRITOL WITH 6 MOLES OF ADIPIC ACID AND 16 MOLES OF SAT. UNSUBST.ALIPH. MON.ETC.		9			+	+
76880		See "76950"		D			+	+
76890		*POLYESTERS PRODUCED BY REACTING (ACETIC, ACRYLIC, ADIPIC, BEHENIC, CAPRYLIC, COCO FATTY, CROTONIC, FUMARIC, ITACONIC, MALEIC, MYRISTIC, PALMITIC, PHTHALIC, SEBACIC, STEARIC, TALL OIL FATTY) ACIDS WITH BEHENYL ALCOHOL..... see CS/PM/1083		9				+
76900		*POLYESTERS OBTAINED BY REACTING ADIPIC ACID, AZELAIC ACID, SUCCINIC ACID, DECANEDICARBOXYLIC ACID, PHTHALIC ACID, AND SEBACIC ACID WITH 1,3-BUTANEDIOL, 2,2-DIMETHYL-1,3-PROPANEDIOL, ETHYLENEGLYCOL, GLYCEROL, 1,6-HEXANEDIOL, AND 1,2-PROPANEDIOL		9				+
76910		*POLYESTERS OF TITANIC ACID WITH ALIPHATIC ALCOHOLS C3-C8		9				+
76920		*POLYESTERS OF TEREPHTHALIC ACID		9		PC,UP	+	
76930		*POLYESTERS, UNSATURATED		9		PUR	+	
76940	-	*POLYETHER ETHER KETONE		9		PES	+	
76950	09002-88-4	*POLYETHYLENE		8		PA,PET,PO,PS,PVC,PVCC,PVDC	+	+
76954	64754-90-1	*POLYETHYLENE, CHLORINATED WITH A CHLORINE CONTENT UP TO 56%		9		S1(80560)	+	
76960	25322-68-3	POLYETHYLENEGLYCOL		2	Group TDI: 5 mg/kg b.w. (with triethyleneglycol). See references for	Same 23590	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					triethyleneglycol. (SCF, 6th Series, 1978).			
76980	24938-37-2	*POLYETHYLENEGLYCOL ADIPATE		7	Needed: hydrolysis data.	PVAC	+	+
77000		*POLYETHYLENEGLYCOL ALKYLARYL ETHER AND THEIR SULPHONATED DERIVATIVES		9				+
77020		*POLYETHYLENEGLYCOL ALKYL(C3-C18) ETHER		9				+
77035	68891-38-3	*POLYETHYLENEGLYCOL (EO=2-3) ALKYL(C12-C14)ETHER SODIUM SULPHATE		8		S1(78720)	+	
77040		See "76980"		D			+	+
77050		*POLYETHYLENEGLYCOL ALKYL ETHERS AND THEIR SULPHONATED DERIVATIVES		9				+
77070	68954-91-6	*POLYETHYLENEGLYCOL ALKYL(C10-C12) ETHER SULPHOSUCCINATE, DISODIUM SALT		9				+
77090		*POLYETHYLENEGLYCOL ALKYL(C8-C18) THIOETHER		9				+
77105	68410-69-5	*POLYETHYLENEGLYCOL BIS(TALLOW ACYL AMIDO ETHYL)METHYL AMMONIUM METHOSULPHATE		W8		New subst.	+	
77120	-	*POLYETHYLENEGLYCOL tert-BUTYL ETHER		9		PP	+	
77200	61791-14-8	*POLYETHYLENEGLYCOL COCOAMINE		9			+	
77230		*POLYETHYLENEGLYCOL DERIVATIVES OF SORBITAN ESTERS OF ACIDS, LINEAR (C8-C22, EVEN)		9				+
77250		*POLYETHYLENEGLYCOL DERIVATIVES OF SORBITOL ESTERS OF ACIDS, LINEAR (C8-C22, EVEN)		9				+
77280	09005-02-1	POLYETHYLENEGLYCOL DILAURATE		2	Group TDI: 10 mg/kg bw for all PEG esters of food fatty acids. (CS/PM/1656).		+	+
77320	?	POLYETHYLENEGLYCOL DIMYRISTATE		2	Group TDI: 10 mg/kg bw for all PEG esters of food fatty acids. (CS/PM/1656).	S1(78640)	+	
77360	09005-07-6	POLYETHYLENEGLYCOL DIOLEATE		2	Group TDI: 10 mg/kg bw for all		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					PEG esters of food fatty acids. (CS/PM/1656).			
77440	-	POLYETHYLENEGLYCOL DIRICINOLEATE		2	TDI: 0.7 mg/kg bw based on TDI for castor oil. (SCF, 7th Series, 1978)(CS/PM/1656).		+	+
77480		*POLYETHYLENEGLYCOL DODECYL ETHER		9		PO	+	+
77520	61791-12-6	POLYETHYLENEGLYCOL ESTER OF CASTOR OIL		2	TDI: 0.7 mg/kg bw based on TDI for castor oil. (SCF, 7th Series, 1978)(CS/PM/1656).		+	+
77522	61791-12-6	*POLYETHYLENEGLYCOL (EO = 20-40) ESTER OF CASTOR OIL		9		S1(77520)	+	
77550		POLYETHYLENEGLYCOL ESTER OF COCONUT OIL FATTY ACIDS		2	Group TDI: 10 mg/kg bw for all PEG esters of food fatty acids. (CS/PM/1656).	Cov.by 78640		+
77570	-	*POLYETHYLENEGLYCOL ESTERS OF (C6-C22) FATTY ACIDS		D		A/Cov.by 78640	+	
77600	61788-85-0	*POLYETHYLENEGLYCOL ESTER OF HYDROGENATED CASTOR OIL		9-P	Needed: in first instance specify the number of PEG units.		+	
77602	61788-85-0	*POLYETHYLENEGLYCOL (EO = 40) ESTER OF HYDROGENATED CASTOR OIL		8-P		S1(77600)	+	
77620		*POLYETHYLENEGLYCOL ESTER OF ROSIN		9				+
77640		POLYETHYLENEGLYCOL ESTERS OF ACIDS, LINEAR, WITH AN EVEN NUMBER OF CARBON ATOMS (C8-C22)		2	Group TDI: 10 mg/kg bw for all PEG esters of food fatty acids. (CS/PM/1656).	Cov.by 78640		+
77660		POLYETHYLENEGLYCOL ESTERS OF NATURAL FATTY ACIDS		2	Group TDI: 10 mg/kg bw for all PEG esters of fatty acids. (CS/PM/1656).			+
77680		See "77710"		D			+	+
77700		*POLYETHYLENEGLYCOL ESTERS AND THEIR SULPHONATED DERIVATIVES		9				+
77702	-	POLYETHYLENEGLYCOL ESTERS OF ALIPH., MONOCARB., ACIDS(C6-C22) AND THEIR		2	Group TDI: 10 mg/kg bw for all PEG esters of food fatty acids.	S1(78640)	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		AMMONIUM AND SODIUM SULPHATES			(CS/PM/1656).			
77705	-	*POLYETHYLENEGLYCOL(>20 EO)ETHERS OF ALKYL PHENOLS, SODIUM SULPHATES		9		S1(78800)	+	
77710	-	*POLYETHYLENEGLYCOL ETHERS OF C10-C20 ALCOHOLS		9			+	+
77720	-	*POLYETHYLENEGLYCOL ETHER OF BENZYLPHENOL, AND THEIR SULPHATES AND/OR THEIR SODIUM AND AMMONIUM SULPHONATES		9		A	+	
77730		*POLYETHYLENEGLYCOL ETHERS OF ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED, PRIMARY, LINEAR (C5-C15)		9				+
77735	59269-54-4	*POLYETHYLENEGLYCOL ETHER OF DODECYLPHENOL, SODIUM SULPHATE		9		S1(78800)	+	
77740	09014-90-8	*POLYETHYLENEGLYCOL ETHER OF NONYLPHENOL, SODIUM SULPHATE		9		S1(78800)	+	+
77745	68130-71-2	*POLYETHYLENEGLYCOL ETHERS OF MONO-, DI-, and TRICUMYLPHENOL, SULPHATED, AMMONIUM SALT		9				+
77747	58853-83-1	*POLYETHYLENEGLYCOL ETHER OF OCTYLPHENOL, SODIUM SULPHATE		9		S1(78800)	+	
77750	53694-15-8	*POLYETHYLENEGLYCOL ETHER OF SORBITOL		9		Cov.by 78880	+	+
77775		*POLYETHYLENEGLYCOL ETHER OF TRIMETHYLOLPROPANE		9			+	
77790	09004-95-9	*POLYETHYLENEGLYCOL HEXADECYL ETHER		9		S1(77710)/Cov.by 77710	+	+
77800	68071-98-7	*POLYETHYLENEGLYCOL HYDROGENATED TALLOW AMINE ETHYLSULPHATE		9-P			+	
77840	68951-50-8	*POLYETHYLENEGLYCOL HYDROXYMETHYLPHOSPHONATE		7	Available: 90-day oral rat studies in rats and dogs inadequate. Needed: 90-day oral study.	PET	+	
77870	09004-87-9	*POLYETHYLENEGLYCOL ISOOCTYLPHENYL ETHER		9		Cov.by 78800		+
77880	09043-30-5	*POLYETHYLENEGLYCOL ISOTRIDECYL ETHER		8		S1(77710)	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
77890	-	*POLYETHYLENEGLYCOL ISOTRIDECYL ETHER SULPHATE, SALTS		8		S1(78720)	+	
77900		*POLYETHYLENEGLYCOL MONOALKYL(C4-C18)PHENYL ETHER MONO- AND DIPHOSPHATE		9				+
77920	09002-92-0	*POLYETHYLENEGLYCOL MONODODECYL ETHER		9			+	
78000	52019-36-0	*POLYETHYLENEGLYCOL MONODECYL PHOSPHATE		9			+	
78040	32612-48-9	*POLYETHYLENEGYLCOL MONODODECYL ETHER AMMONIUM SULPHATE		9		Cov.by 78720		+
78080	09004-81-3	POLYETHYLENEGLYCOL MONOLAURATE		2	Group TDI : 10 mg/kg bw for all PEG esters of food fatty acids. (CS/PM/1656).		+	
78120	?	POLYETHYLENEGLYCOL MONOMYRISTATE		2	Group TDI: 10 mg/kg bw for all PEG esters of food fatty acids. (CS/PM/1656).	S1(78640)	+	
78160	09004-96-0	POLYETHYLENEGLYCOL MONOOLEATE		2	Group TDI: 10 mg/kg bw for all PEG esters of food fatty acids. (CS/PM/1656).		+	+
78190	09004-98-2	*POLYETHYLENEGLYCOL MONOOLEYL ETHER		9		S1(77710)	+	
78240	09004-94-8	POLYETHYLENEGLYCOL MONOPALMITATE		2	Group TDI: 10 mg/kg b.w. for all PEG esters of food fatty acids.(CS/PM/1656).		+	
78320	09004-97-1	POLYETHYLENEGLYCOL MONORICINOLEATE		2	TDI: 0.7 mg/kg bw based on TDI for castor oil. (SCF, 7th Series, 1978)(CS/PM/1656).		+	+
78360	09004-99-3	POLYETHYLENEGLYCOL MONOSTEARATE		D			+	+
78400	09016-45-9	*POLYETHYLENEGLYCOL NONYLPHENYL ETHER		7-P	Needed: specifications and molecular weight. (SCF, Rx).		+	+
78440	26027-38-3	*POLYETHYLENEGLYCOL,4-NONYLPHENYL ETHER		W8	Needed: data on identity.	New subst.	+	
78460	09014-90-8	*POLYETHYLENEGLYCOL NONYLPHENYL ETHER, SODIUM SULPHATE		P		S1(78800)	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
78480	51811-79-1	*POLYETHYLENEGLYCOL NONYLPHENYL PHOSPHATE		8-P			+	
78520	09040-38-4	*POLYETHYLENEGLYCOL NONYLPHENYL SULPHOSUCCINATE, DISODIUM SALT		9				+
78560	09002-93-1 and 09036-19-5	*POLYETHYLENEGLYCOL OCTYLPHENYL ETHER		9			+	+
78600		*POLYETHYLENEGLYCOL OLEYL ETHER AND ITS SULPHONATED DERIVATIVES		9				+
78640	-	*POLYETHYLENEGLYCOL AND/OR POLYPROPYLENEGLYCOL ESTERS OF ALIPH., MONOCARB.,ACIDS (C6-C22) AND THEIR AMMONIUM AND SODIUM SULPHATES		D		Replaced by 77702,80895	+	
78720	-	*POLYETHYLENEGLYCOL AND/OR POLYPROPYLENEGLYCOL ETHERS OF ALIPH., MONOH.,ALCOHOLS (C8-C20) AND THEIR AMMONIUM AND SODIUM SULPHATES		9-P	Data requested and available for 54		+	+
78800	-	*POLYETHYLENEGLYCOL AND/OR POLYPROPYLENEGLYCOL ETHERS OF ALKYLPHENOLS AND THEIR AMMONIUM AND SODIUM SULPHATES		9-P			+	
78880	-	*POLYETHYLENEGLYCOL AND/OR POLYPROPYLENEGLYCOL ETHERS OF TRIMETHYLOLPROPANE AND/OR SORBITOL		9			+	+
78960	-	*POLYETHYLENEGLYCOL SORBITAN		9			+	
79040	09005-64-5	POLYETHYLENEGLYCOL SORBITAN MONOLAURATE		1	Group ADI: 10 mg/kg b.w. for polyethyleneglycol sorbitan monooleate, polyethyleneglycol sorbitan monopalmitate, polyethyleneglycol sorbitan monostearate, polyethyleneglycol sorbitan tristearate. (SCF, 15th Series, 1985).		+	+
79120	09005-65-6	POLYETHYLENEGLYCOL SORBITAN MONOOLEATE		2	Group TDI: 10 mg/kg b.w. for polyethylenglycol sorbitan monolaurate, polyethyleneglycol sorbitan monooleate,		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					polyethyleneglycol sorbitan monostearate, polyethyleneglycol sorbitan tristearate. (SCF, 15th Series 1985).			
79200	09005-66-7	POLYETHYLENEGLYCOL SORBITAN MONOPALMITATE		1	Group ADI: 10 mg/kg b.w. for polyethyleneglycol sorbitan monooleate, polyethyleneglycol sorbitan monolaurate, polyethyleneglycol sorbitan monostearate, polyethyleneglycol sorbitan tristearate. (SCF, 15th Series, 1985).		+	+
79280	09005-67-8	POLYETHYLENEGLYCOL SORBITAN MONOSTEARATE		1	Group ADI: 10 mg/kg b.w. for polyethyle-eglycol sorbitan monooleate, polyethyleneglycol sorbitan monopalmitate, polyethyleneglycol sorbitan monolaurate, polyethyleneglycol sorbitan tristearate. (SCF, 15th Series, 1985).		+	+
79360	09005-70-3	POLYETHYLENEGLYCOL SORBITAN TRIOLEATE		2	Group TDI: 10 mg/kg b.w. based on the group ADI 10 mg/kg b.w. for polyethyleneglycol sorbitan monolaurate and other polyethyleneglycol sorbitan esters. (SCF, 15th Series, 1985).		+	+
79440	09005-71-4	POLYETHYLENEGLYCOL SORBITAN TRISTEARATE		1	Group ADI: 10 mg/kg b.w. for polyethyleneglycol sorbitan monooleate, polyethyleneglycol sorbitan monopalmitate, polyethyleneglycol sorbitan monostearate, polyethyleneglycol sorbitan monolaurate. (SCF, 15th Series, 1985).		+	+
79520	-	POLYETHYLENEGLYCOL STEARATE		2	Group TDI: 10 mg/kg bw for all PEG esters of food fatty acids. (CS/PM/1656).		+	+
79550	09014-85-1	*POLYETHYLENEGLYCOL 2,4,7,9-TETRAMETHYL-5-DECYN-4,7-DIOL		9		Cov.by 77680		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		ETHER						
79590		*POLYETHYLENEGLYCOL TRIDECYL ETHER		9		Cov.by 77680		+
79600	09046-01-9	*POLYETHYLENEGLYCOL TRIDECYL PHOSPHATE		9			+	
79680	26913-06-4	*POLYETHYLENEIMINE		9		PP	+	+
79720		*POLYETHYLENEIMINE, MODIFIED WITH ADIPIC ACID, DIETHYLENETRIAMINE, AND EPICHLOROHYDRIN		9		PP	+	
79760	-	POLYETHYLENEIMINE, BUTYLATED		2	TDI: 0.1 mg/kg b.w. Specification for ethyleneimine (R= 0.010 mg/kg). 90-day oral rat study, mutagenicity studies negative. (RIVM report 90/678608/002 February 1990).	PP	+	
79840	09002-98-6 26913-06-4	*POLYETHYLENEIMINE, MODIFIED		9	In principle List 9. Some substances covered by 79840 have been identified: (polymin (R) SN (CAS N. 103479-08-9)(see CS/PM 330) but documentation is inadequate. The substances must be listed individually and assessed accordingly. L8.	PP	+	
79841	103479-08-9	*POLYETHYLENEIMINE, MODIFIED		9			+	
79842	114133-44-7	*POLYETHYLENEIMINE, MODIFIED		9			+	
79920	09003-11-6	*POLY(ETHYLENE PROPYLENE) GLYCOL		9		UK Spec (PM 900-4000 etc.)	+	+
79930		*POLY(ETHYLENE PROPYLENEGLYCOL)(>20 EO and >20 PO)		9		S2(79920)	+	+
79950	-	POLY(ETHYLENE AND/OR PROPYLENEGLYCOL)-ALIPH., MONOH., ALCOHOLS (C8-C20),COPOLYMERS AND THEIR AMMONIUM AND SODIUM SULPHATES		D		Same 78720	+	
79960	110905-54-5	*POLY(ETHYLENE PROPYLENE)GLYCOL ALKYL (C13-C15)ETHERS		9		S1(78720)	+	+
79965	67167-17-3	*POLY(ETHYLENE PROPYLENE)GLYCOL DIOLEATE		9		S1(78640)	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
79967	55126-40-4	*POLY(ETHYLENE PROPYLENE)GLYCOL DISTEARATE		9		S1(78640)	+	
79970		*POLY(ETHYLENE PROPYLENE)GLYCOL STEARATE (M.W. >6800)		9				+
80000	09002-88-4	*POLYETHYLENE WAX		8	Postponed. Under evaluation by SCF as glazing agent.		+	
80080	68441-17-8	*POLYETHYLENE WAXES, OXIDIZED		8			+	+
80160	37349-34-1	POLYGLYCEROL MONOSTEARATE		1	ADI: 25 mg/kg b.w. (SCF, 7th Series, 1978).		+	
80240	29894-35-7	POLY(GLYCEROL RICINOLEATE)		1	ADI: 7.5 mg/kg b.w. (SCF, 7th Series, 1978).		+	
80320	09009-32-9	POLYGLYCEROL STEARATE		1	ADI: 25 mg/kg b.w. (JECFA 26 M., 1982).	PVC	+	+
80330	?	*POLY(1-HYDROXYNAPHTHYLMETHANE)		W-P		New subst.	+	
80340	27924-99-8	*POLY(12-HYDROXYSTEARIC ACID)		8-P	Ames test available. Other data supplied inadequate. Provide all remaining data according to "Note for guidance".	PE,PVC	+	
80360	09003-27-4	*POLYISOBUTENE		9		A	+	+
80365	26335-74-0	*POLY(ISOBUTYL ACRYLATE)		9		S1(76750), S2(80450)	+	+
80380	09003-04-7	*POLYMER OF ACRYLIC ACID, SODIUM SALT		9		PVDC	+	
80400		See "80340"		D			+	
80410		*POLYMERS OF DIOCTYLTIN BIS(2-ETHYLHEXYL MALEATE)		9			+	
80425		*POLYMERS OF DIOCTYLTIN BIS(2-ETHYLHEXYL MERCAPTOACETATE)		9			+	
80430		POLYMERIZATION AIDS		D		For memo	+	
80440		*POLYMERS OF DI-n-OCTYLTIN DIMALEATE		9-P		PMMA	+	
80450		*POLYMERS MADE FROM MONOMERS MENTIONED IN BGA XIV.1.h		9				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
80455		POLYMERS USED AS ADDITIVES (having a MW>1000 and having the starting monomers in SCF lists 0-4)		3/D	See minutes 52M.	For memo	+	
80457		*POLYMERS USED AS ADDITIVES (having a Mw<1000 daltons or having a MW>1000 daltons but having the starting monomers in SCF lists 5-9)		9	See cs/pm/1716.	For memo	+	+
80460	25087-26-7	*POLYMETHACRYLIC ACID		9				+
80470		*POLYMETHACRYLIC ACIDS, SALTS		9			+	
80480	82451-48-7	POLY(6-MORPHOLINO-1,3,5,-TRIAZINE-2,4,-DIYL)-[(2,2,6,6,-TETRAMETHYL-4-PIPERIDYL) IMINO]-HEXAMETHYLENE-[(2,2,6,6-TETRAMETHYL-4-PIPERIDYL)-IMINO]		2	t-TDI= 0.03 mg/kg bw. Available: 3-months oral rat and dog studies. (Reports CIBA-GEIGY provided (April 1989)). Needed: mutagenicity studies, chemical and physical data and migration data.	PO	+	
80550	-	*POLYOLEFINS (LOW MOLECULAR WEIGHT)		9		A/Not fully covered by 80000/L9	+	+
80560	68410-99-1	*POLYOLEFINS, CHLORINATED WITH A CHLORINE CONTENT OF UP TO 56%		9			+	
80640	-	POLYOXYALKYL(C2-C4)DIMETHYLPOLYSILOXANE		3-P	.....		+	+
80670		*POLYPHENYLENE OXIDE		9		PC	+	
80700		*POLY-p-PHENYLENE-p-PHTHALAMIDE		9				+
80720	08017-16-1	POLYPHOSPHORIC ACIDS		1	MTDI: 70 mg/kg b.w. (as P). (JECFA 26 M., 1982).		+	+
80760	09003-07-0	*POLYPROPYLENE		9		PA,PO,PS,PET,PETP	+	+
80800	25322-69-4	POLYPROPYLENEGLYCOL (LESS THAN OR EQUAL TO 1% 1,3-PROPYLENEGLYCOL)		2	Group TDI: 1.5 mg/kg b.w. (with dipropyleneglycol). See references for dipropyleneglycol.	Same 23650	+	+
80820	25101-03-5	*POLYPROPYLENEGLYCOL ADIPATE		7	Needed: hydrolysis data.	PVC	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
80830		*POLYPROPYLENEGLYCOL ALKYL(C8-C18) THIOETHER		9				+
80840		*POLYPROPYLENEGLYCOL ALKYL(C4-C18) ETHER		9				+
80850		*POLYPROPYLENEGLYCOL BUTYL ETHER		9				+
80860		*POLYPROPYLENEGLYCOL DERIVATIVES OF SORBITAN ESTERS OF ACIDS, LINEAR (C8-C22, EVEN)		9				+
80870		*POLYPROPYLENEGLYCOL DERIVATIVES OF SORBITOL ESTERS OF ACIDS, LINEAR (C8-C22, EVEN)		9				+
80880		See "80820"		D			+	+
80890	-	POLYPROPYLENEGLYCOL ESTERS WITH ACIDS, ALIPH., MONOCARB., SAT. (C12-C20)		D		Cov. by 78640	+	
80895	-	*POLYPROPYLENEGLYCOL ESTERS OF ALIPH.,MONOCARB.,ACIDS(C6-C22) AND THEIR AMMONIUM AND SODIUM SULPHATES		9		S1(78640)	+	
80900	61790-96-3	*POLYPROPYLENEGLYCOL ESTER OF CASTOR OIL		9				+
80910		*POLYPROPYLENEGLYCOL ETHERS OF MONO-, DI-, AND TRIALKYL(C4-C18)PHENOL		9		Cov.by 78800		+
80920		*POLYPROPYLENEGLYCOL ETHERS OF MONO-,DI-, AND TRIALKYL(C4-C18) SULPHONATED PHENOL		9				+
80930		*POLYPROPYLENEGLYCOL ETHER OF TRIMETHYLOLPROPANE		9			+	
80940	?	*POLYPROPYLENEGLYCOL LAURATE		9		PE,PVDC/Cov.by 78640	+	+
80950	-	*POLYPROPYLENEGLYCOL OCTADECYL PHOSPHATE		W9		A	+	
80960		See "80950"		D			+	
80970	?	*POLYPROPYLENEGLYCOL OLEATE		9		PE,PVC	+	+
80985		*POLYPROPYLENEGLYCOL OLEATE BUTYL ETHER		9				+
81000	09003-11-6	POLYPROPYLENEGLYCOL POLYOXYETHYLATED		D		Same 79920	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
81015	?	*POLYPROPYLENEGLYCOL RICINOLEATE		9		PE,PVC	+	+
81030	?	*POLYPROPYLENEGLYCOL STEARATE		9		PE,PVC/Cov.by 78640	+	+
81040		See "81100"		D			+	
81045		*POLYPROPYLENEGLYCOL STEARATE BUTYL ETHER		9				+
81060	-	*POLYPROPYLENE WAX		8		CAS_N 9003-07-0 (see CS/PM/521)	+	
81080	09003-53-6	*POLYSTYRENE		9		PO,PPO,PS,PUR,UP	+	
81100	68441-35-0	*POLYSTYRENE, HYDROGENATED		9			+	
81120	-	*POLYTERPENES		9-P		PAM,PO/CAS?(see /612)//	+	
81122		*POLYTERPENES, HYDROGENATED		9-P	Postponed. Definite polymer (CS/PM/515). Awaiting for results of ongoing studies.		+	
81160	09002-84-0	*POLYTETRAFLUOROETHYLENE		9		A	+	+
81200	71878-19-8	POLY[6-[(1,1,3,3-TETRAMETHYLBUTYL)AMINO]-1,3,5-TRIAZINE-2,4-DIYL]-[(2,2,6,6-TETRAMETHYL-4-PIPERIDYL)-IMINO]HEXAMETHYLENE [(2,2,6,6-TETRAMETHYL-4-PIPERIDYL) IMINO]		2	TDI: 0.05 mg/kg b.w. 3-month oral dog and 3- and 6-month oral rat studies, mutagenicity studies. (RIVM rep.89/678608/006 1989-04-11).	PO	+	
81215	65447-77-0	*POLY/(2,2,6,6-TETRAMETHYLPIPERIDINE-1,4-DIYL)ETHYLENEOXYSUCCINYLOXYL		9-P			+	
81230		*POLYURETHANES		9		POM,PVC	+	
81245	09003-20-7	*POLYVINYL ACETATE		9		ABS,PS,PVAC,UP	+	+
81260		*POLYVINYL ACETATE, PARTIALLY HYDROLYZED		9		PVDC	+	
81280	09002-89-5	*POLYVINYL ALCOHOLS		8-P	Needed: migration data and specification data as first step.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
81295	63148-65-2	*POLYVINYLBUTYRAL		9		Same 23710		+
81310	09002-86-2	*POLYVINYL CHLORIDE		9		PO,PC,PVCC,UP	+	+
81325	25498-06-0	*POLYVINYLCYCLOHEXANE		W9-P	New distribution available	New subst/PP	+	
81340	09003-19-4	*POLYVINYL ETHER		9				+
81360	-	*POLYVINYLETHERS		9		PVC	+	
81390	25104-37-4	*POLY(VINYL ETHYL ETHER)		9		PO	+	+
81410	09003-33-2	*POLYVINYLFORMAL		9		Same 23720		+
81440	24937-79-9	*POLYVINYLIDENE FLUORIDE		9		PE	+	
81460		*POLY-N-VINYL-N-METHYLACETAMIDE		9		PS	+	+
81475		*POLY-N-VINYL-N-METHYLFORMAMIDE (M.W.>40.000)		9		POM	+	
81485	25035-84-1	*POLYVINYL PROPIONATE		9		PS	+	
81500	09003-39-8	*POLYVINYLPYRROLIDONE		9		ABS,PA,PAN,POM, PS,PVC,PVCC,PVDC	+	+
81520	07758-02-3	POTASSIUM BROMIDE		1	Group ADI: 1 mg/kg b.w. (as Br) as pesticide residue. See references for ammonium bromide in list 2.	PA	+	+
81560		*POTASSIUM DITHIONITE		8				+
81600	01310-58-3	POTASSIUM HYDROXIDE		1	ADI: not specified. (SCF, Rx).		+	+
81680	07681-11-0	POTASSIUM IODIDE		1	PMTDI: 0.017 mg/kg b.w. (as I). (JECFA 33 M., 1988).	PA	+	
81720	10117-38-1	POTASSIUM SULPHITE		2	TDI: 0.7 mg/kg b.w. Based on ADI for SO2. (30th M, JECFA, 1986).			+
81740		*POTATO PROTEIN		9				+
81760	-	*POWDERS, FLAKES AND FIBERS OF BRASS BRONZE, CHROMIUM, COPPER, MOLYBDENUM,		7-P	Needed: migration data.	PET,PTFE	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		NICKEL, STAINLESS STEEL, TIN AND THEIR ALLOYS						
81780		PRINTING INKS		D		For memo	+	
81800		PROPANAMINIUM.....etc		D		Same 34925	+	
81840	00057-55-6	1,2-PROPANEDIOL		1	ADI: 25 mg/kg b.w. (JECFA 17 M., 1973).	Same 23740	+	+
81860		*1,3-PROPANEDIOL MONO- AND DIALKYL ETHER		9				+
81882	00067-63-0	2-PROPANOL		1	t-ADI : 1.5 mg/kg b.w. (SCF, 11th Series, 1981).	Same 23830	+	+
81920	05520-20-7	*1-PROPANOL,3-[1,3,3,3-TETRAMETHYL-1-[(TRIMETHYL SILYL) OXY] DISILOXANYL]-,HYDROGEN SULPHATE, COMPOUND WITH 2-PROPANAMINE(1:1)		W		PP/New subst.	+	
82000	00079-09-4	PROPIONIC ACID		1	Group ADI: not specified. (SCF, 1st Series, 1974).	Same 23890	+	+
82020	01560-69-6	PROPIONIC ACID, COBALT(II) SALT		1-3	L3 for Cobalt. R: 0.05 mg/kg of food (as Cobalt). (RIVM, summary data, October 1992). L1 for propionic acid. See references for propionic acid.	PET	+	
82050	00108-32-7	*PROPYLENE CARBONATE		8				+
82065	00057-55-6	1,2-PROPYLENEGLYCOL		D		Same 81840	+	
82080	09005-37-2	1.2-PROPYLENEGLYCOL ALGINATE		1	Group ADI: 25 mg/kg b.w. (JECFA 17 M., 1973).		+	+
82160		*1,3-PROPYLENEGLYCOL ALGINATE		8			+	+
82240	22788-19-8	1,2-PROPYLENEGLYCOL DILAURATE		1	Group ADI: 25 mg/kg b.w. (as propyleneglycol) for 1,2-propyleneglycol esters of fatty acids. (JECFA 17 M., 1973).		+	
82320	-	*1,3-PROPYLENEGLYCOL DILAURATE		8			+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
82400	00105-62-4	1,2-PROPYLENEGLYCOL DIOLEATE		1	Group ADI: 25 mg/kg b.w. (as propyleneglycol) for 1,2-propyleneglycol esters of fatty acids. (JECFA 17 M., 1973).		+	
82480	00821-69-2	*1,3-PROPYLENEGLYCOL DIOLEATE		8			+	
82560	33587-20-1	1,2-PROPYLENEGLYCOL DIPALMITATE		1	Group ADI: 25 mg/kg b.w. (as propyleneglycol) for 1,2-propyleneglycol esters of fatty acids. (JECFA 17 M., 1973).		+	
82640	56414-56-3	*1,2-PROPYLENEGLYCOL DIRICINOLEATE		7	Needed: hydrolysis and migration data.		+	
82720	06182-11-2	1,2-PROPYLENEGLYCOL DISTEARATE		1	Group ADI: 25 mg/kg b.w. (as propyleneglycol) for 1,2-propyleneglycol esters of fatty acids. (JECFA 17 M., 1973).		+	
82800	27194-74-7	1,2-PROPYLENEGLYCOL MONOLAURATE		1	Group ADI: 25 mg/kg b.w. (as propyleneglycol) for 1,2-propyleneglycol esters of fatty acids. (JECFA 17M., 1973).		+	
82880	-	*1,3-PROPYLENEGLYCOL MONOLAURATE		8			+	
82960	01330-80-9	1,2-PROPYLENEGLYCOL MONOOLEATE		1	Group ADI: 25 mg/kg b.w. (as propyleneglycol) for 1,2-propyleneglycol esters of fatty acids. (JECFA 17 M., 1973)		+	
83040	-	*1,3-PROPYLENEGLYCOL MONOOLEATE		8			+	
83120	29013-28-3	1,2-PROPYLENEGLYCOL MONOPALMITATE		1	Group ADI: 25 mg/kg b.w. (as propyleneglycol) for 1,2-propyleneglycol esters of fatty acids. (JECFA 17 M., 1973)		+	
83200	-	*1,3-PROPYLENEGLYCOL MONOPALMITATE		P	Elias proposal (see cs/pm/1762): L8. The 1,3-propylene glycol is		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					toxic and cannot be evaluated with the 1,2-propylene glycol.			
83280	26402-31-3	*1,2-PROPYLENEGLYCOL MONORICINOLEATE		7	Needed: hydrolysis and migration data.		+	
83300	01323-39-3	1,2-PROPYLENEGLYCOL MONOSTEARATE		1	Group ADI: 25 mg/kg b.w. (as propyleneglycol) for 1,2-propyleneglycol esters of fatty acids. (JECFA 17 M., 1973)		+	
83320		PROPYLHYDROXYETHYLCELLULOSE		2	TDI: not specified based on group ADI (=not specified) for certain modified celluloses. (JECFA 35M., 1989).			+
83325		PROPYLHYDROXYMETHYLCELLULOSE		2	Group TDI: not specified based on group ADI (=not specified) for certain modified celluloses. (JECFA 35M., 1989).			+
83330		PROPYLHYDROXYPROPYLCELLULOSE		2	Group TDI: not specified based on group ADI (=not specified) for certain modified celluloses. (JECFA 35M., 1989).			+
83360		See "83300"		D			+	
83375		*PROTEINS POSSIBLY HYDROLYZED BY ALKALIS OR ENZYMES, AND THEIR POTASSIUM AND SODIUM SALTS		9				+
83390	16210-51-8	*PYROANTIMONIC ACID, POTASSIUM SALT		6B-P	R: 0.01 mg/kg.			+
83415		*PYROMELLITIC ACID TETRAALKYL(C1-C8) ESTER		9				+
83440	02466-09-3	PYROPHOSPHORIC ACID		1	MTDI: 70 mg/kg b.w. (as P). (JECFA 26 M., 1982).	PS,PVDC	+	+
83450	59562-58-2	*PYROPHOSPHORIC ACID, MONODIBUTYLAMINE SALT		8-P	Needed: data on monodibutylamine according to SCF.			+
83455		*PYROPHOSPHOROUS ACID		P		Added because some	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
						pyrophosphites compds exist		
83460	68136-61-8	PYROPHYLLITE (=NATURAL ALUMINUM SILICATE)		P			+	
83470	14808-60-7	QUARTZ		P			+	
83480	121888-67-3	*QUATERNARY AMMONIUM COMPOUNDS, BENZYLBIS(HYDROGENATED TALLOW ALKYL)METHYL, BIS(HYDROGENATED TALLOW ALKYL)DIMETHYLAMMONIUM SALT WITH HECTORITE		9				+
83490		*QUATERNARY AMMONIUM COMPOUNDS, BENZYLDIMETHYLOCTADECYL, COMPOUND WITH HECTORITE		9				+
83500	71011-26-2	*QUATERNARY AMMONIUM COMPOUNDS, BENZYL(HYDROGENATED TALLOW ALKYL)DIMETHYL, CHLORIDES, COMPOUNDS WITH HECTORITE		9				+
83510	121888-68-4	*QUATERNARY AMMONIUM COMPOUNDS, BENZYL(HYDROGENATED TALLOW ALKYL)DIMETHYL, CHLORIDES, COMPOUNDS WITH BENTONITE AND SODIUM STEARATE		9				+
83520		See "83610"		D			+	+
83530	71011-24-0	*QUATERNARY AMMONIUM COMPOUNDS, BENZYL(HYDROGENATED TALLOW ALKYL)DIMETHYL, CHLORIDES, COMPOUNDS WITH BENTONITE		9				+
83535	68989-03-7	*QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYL BIS(HYDROXYETHYL)-METHYL, ETHOXYLATED METHYL SULPHATE		9		New subst	+	
83540		*QUATERNARY AMMONIUM COMPOUNDS, DIMETHYL DIOCTADECYL, COMPOUND WITH BENTONITE		9				+
83550		*QUATERNARY AMMONIUM COMPOUNDS (Q1,Q2,Q3,Q4-AMMONIUM CHLORIDE OR BROMIDE), WHERE Q1=ALKYL(C8-C18) AND Q2,Q3 AND Q4= HYDROGEN, ALKYL(C1-C4), OR BENZYL		9				+
83560	68953-58-2	*QUATERNARY AMMONIUM COMPOUNDS,		9				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		BIS(HYDROGENATED TALLOW ALKYL)DIMETHYL, SALTS WITH BENTONITE						
83565	93572-63-5	*QUATERNARY AMMONIUM COMPOUNDS N,N,N'-TRIS(HYDROXYETHYL)-N,N'-DIMETHYL-N'-TALLOW ALKYLTRIMETHYLENE DI-,BIS(METHYL SULPHATES), SALTS		9		New subst	+	
83580/0	08002-13-9	RAPESEED OIL (food grade quality)		D		Same 45060/0	+	+
83580/1	08002-13-9	RAPESEED OIL		3	Food fat.	Same 45060/1	+	+
83595	119345-01-6	REACTION PRODUCT OF DI-tert.BUTYLPHOSPHONITE WITH BIPHENYL, OBTAINED BY CONDENSATION OF 2,4-DI-tert.BUTYLPHENOL WITH FRIEDEL CRAFT REACTION PRODUCT OF PHOSPHORUS TRICHLORIDE AND BIPHENYL		2	TDI: 0.3 mg/kg b.w. 90-day oral rat study and mutagenicity studies. (Sandoz report 1979).	Ex 92560.See 3141Rev2/SCF_M 41/RCC problem/Mixt	+	
83600		See "83690"		D			+	
83610	73138-82-6	RESIN ACIDS AND ROSIN ACIDS		2	Group TDI: 1 mg/kg b.w. (SCF, 17th Series, 1986)	PS,PVC/Same 24070	+	+
83620		*RESIN ACIDS AND ROSIN ACIDS, CERIUM SALTS		P	L2(=1 mg/kg bw) for resin acids. Postponed for Ce.			+
83630	68956-82-1	RESIN ACIDS AND ROSIN ACIDS, COBALT SALTS		2-3	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707).			+
83640		RESIN ACIDS AND ROSIN ACIDS, LITHIUM SALTS		2	L2 (=1 mg/kg b.w.) for resin acids. L2 for the Lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.			+
83650	09008-34-8	RESIN ACIDS AND ROSIN ACIDS, MANGANESE SALTS		2	L2 (= 1 mg/kg b.w.) for resin acids. L2 for the Mn.			+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.			
83660		*RESIN ACIDS AND ROSIN ACIDS, ZIRCONIUM SALTS		P	L2(= 1 mg/kg bw) for resin acids. Postponed for Zr.			+
83670		*RICEBRAN OIL, SULPHATED, AMMONIUM, POTASSIUM, OR SODIUM SALT		9		Cov.by 54640		+
83680		See "83700"		D			+	
83690	35732-94-6	*RICINOLEAMIDE		8			+	
83700	00141-22-0	RICINOLEIC ACID		2	TDI: 0.7 mg/kg b.w. based on TDI for castor oil. (SCF, 7th Series, 1978).		+	+
83720	07492-63-9	*RICINOLEIC ACID, CERIUM SALT		P	L2 (=0.7 mg/kg bw) for ricinoleic acid. Postponed for Ce.			+
83730		RICINOLEIC ACID, COBALT SALT		1-3	L2(=0.7 mg/kg bw) for ricinoleic acid. L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707).			+
83760	-	*RICINOLEIC ACID, ESTERS WITH ALCOHOLS, ALIPH., MONOH.		9			+	
83775	26402-31-3	RICINOLEIC ACID, ESTERS WITH 1,2-PROPANEDIOL		D		Cov.by 82640,83280	+	
83790	15467-06-8	RICINOLEIC ACID, LITHIUM SALT		2	L2 (= 0.7 mg/kg b.w.) for ricinoleic acid. L2 for the Lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.			+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
83805		RICINOLEIC ACID, MANGANESE SALT		2-2	L2 for ricinoleic acid. TDI: 0.7 mg/kg b.w. See references for ricinoleic acid. L2 for the Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.			+
83820		*RICINOLEIC ACID, ZIRCONIUM SALT		P	L2 (=0.7 mg/kg bw) for ricinoleic acid. Postponed for Zr.			+
83840	08050-09-7	ROSIN		2	Group TDI: 1 mg/kg b.w. (SCF, 17th Series, 1986).		+	+
83880	09010-69-9	ROSIN ACIDS, ZINC SALT		D		Cov.by 83520	+	
83920	-	*ROSIN DERIVATIVES		D/P			+	+
84000	08050-31-5	ROSIN, ESTER WITH GLYCEROL		1	ADI= 12.5 mg/kg bw. (SCF, in press (see cs/pm/1623)).	Same 24115	+	
84080	08050-26-8	ROSIN, ESTER WITH PENTAERYTHRITOL		2	Group TDI= 1 mg/kg b.w. Included in the group TDI for colophony of 1 mg/kg b.w. (SCF, 6th Series, 1978) also including rosins (SCF, 17th Series, 1986).		+	
84210	65997-06-0	*ROSIN, FULLY HYDROGENATED		8-P		S1(83920)	+	+
84240	65997-13-9	ROSIN, HYDROGENATED,ESTER WITH GLYCEROL		3	Toxicologically acceptable.		+	
84320	08050-15-5	ROSIN, HYDROGENATED, ESTER WITH METHANOL		2	Group TDI= 1 mg/kg b.w. Included in the group TDI for colophony of 1 mg/kg b.w. (SCF 6th, Series 1978) also including rosins (SCF, 17th Series, 1986).		+	+
84400	64365-17-9	ROSIN, HYDROGENATED, ESTER WITH PENTAERYTHRITOL		2	Group TDI= 1 mg/kg b.w. Included in the group TDI for colophony of 1 mg/kg b.w.		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					(SCF, 6th Series 1978) also including rosins (SCF, 17th Series, 1986).			
84420	65997-06-0	*ROSIN, PARTIALLY HYDROGENATED		8-P		S1(83920)	+	+
84440		*ROTAMO		9				+
84480	09006-03-5	*RUBBER, CHLORINATED		9		Same 24220	+	
84560	09006-04-6	RUBBER, NATURAL		3	Migration unlikely.	Same 24250	+	+
84570		*RUBBER, SYNTHETIC		9		PO,PS	+	+
84640	00069-72-7	SALICYLIC ACID		3	Naturally occurring in food in low concentration.		+	+
84720	00118-58-1	*SALICYLIC ACID, BENZYL ESTER		7	Needed: hydrolysis data.		+	
84800	00087-18-3	SALICYLIC ACID, 4-tert-BUTYLPHENYL ESTER		2	TDI: 0.2 mg/kg b.w. 2-year oral rat study. (RIVM March 1972).		+	+
84880	00119-36-8	SALICYLIC ACID, METHYL ESTER		1	ADI: 0.5 mg/kg b.w. (JECFA 11 M., 1967).	PAM	+	+
84960	00118-55-8	*SALICYLIC ACID, PHENYL ESTER		7	Needed: hydrolysis data.		+	+
84990	12344-48-8	*SATIN WHITE		9				+
85030	00111-20-6	SEBACIC ACID		D		M	+	
85040	-	*SEBACIC ACID, ALKYL (C6-C12) ESTERS		9	Group R: 0.025 mg/kg b.w.	PVC	+	
85120	00122-62-3	*SEBACIC ACID, BIS(2-ETHYLHEXYL) ESTER		6B	Group R: 0.025 mg/kg b.w. Available: Ames test and 3-week oral rat study. Needed: remaining toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.	PVC	+	+
85200	27214-90-0	*SEBACIC ACID, BIS(6-METHYLHEPTYL) ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg	PVC	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					peroxisome proliferation studies too.			
85280	52829-07-9	*SEBACIC ACID, BIS(2,2,6,6-TETRAMETHYL-4-PIPERI DYL) ESTER		7.f	Available: 90-day oral rat and dog studies on photoactivated product. (RIVM doc., September 1977, Ciba-Geigy 1974). Needed: mutagenicity studies on photoactivated product. Data ongoing	PA,PMMA,PO	+	
85360	00109-43-3	*SEBACIC ACID, DIBUTYL ESTER		6B	Group R: 0.025 mg/kg b.w. Available: 2-year oral rat study and reproduction study in rats both inadequate. 3 mutagenicity tests (reports not available). Needed: remaining toxicological data depending on migration level (see SCF guidelines), reports on mutagenicity studies and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too. (RIVM doc. February 1992)		+	+
85440	00106-79-6	*SEBACIC ACID, DIMETHYL ESTER		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg peroxisome proliferation studies too.	PET,PVC/Same 24370	+	
85520	02432-87-3	*SEBACIC ACID, DI-n-OCTYL ESTER		6B	Group R: 0.025 mg/kg b.w. Available: Lefaux data inadequate. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.		+	+
85550	09000-59-3	SHELLAC		1	ADI: acceptable. (SCF, 26th Series, 1992).	Same 24440		+
85570		*SILANE COUPLED SILICA PREPARED FROM THE REACTION OF MICROCRYSTALLINE QUARTZ WITH		9				

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		N-BETA-(N-VINYL-BENZYLAMINO)ETHYL-GAMMA-AMINOPROPYLTRIMETHOXYSILANE, MONOHYDROGEN CHLORIDE						
85580	07631-86-9	SILICA		P			+	
85600	-	SILICATES, NATURAL		3	Free from asbestos. Inert, insoluble material. Some specific silicates have been allocated an ADI, not specified (SCF 1988, in press)		+	
85680	01343-98-2	SILICIC ACID		3	Inert, insoluble material.		+	+
85700	12650-28-1	SILICIC ACID, BARIUM SALT		3	L3 for silicic acid. L3 for Barium. R: 1 mg/kg in food. (Rivm doc., May 1992 (CS/PM/1584)).			+
85760	12068-40-5	SILICIC ACID, LITHIUM ALUMINIUM SALT(2:1:1)		2-3	L2 for Li Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report. L2 for Al TDI: 1 mg/kg bw (as Al) based on PTWI: 7 mg/kg bw (as Al). (SCF, 25th Series, 1991). L3 for silicic acid. Inert, insoluble material.	PTFE	+	
85840	53320-86-8	SILICIC ACID, LITHIUM MAGNESIUM SODIUM SALT		2-3	Group TDI: 0.01 mg/kg b.w. (as Li). See references for benzoic acid, lithium salt. L3 for silicic acid. Inert, insoluble material.	A	+	
85920	12627-14-4	SILICIC ACID, LITHIUM SALT		2-3	Group TDI: 0.01 mg/kg b.w. (as Li). See references for benzoic acid, lithium salt.	A	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					L3 for silicic acid. Inert and insoluble material.			
86000	-	SILICIC ACID, SILYLATED		3	Inert material.		+	+
86030	04766-57-8	*SILICIC ACID, TETRABUTYL ESTER		8-P			+	
86050	00078-10-4	*SILICIC ACID, TETRAETHYL ESTER		8-P			+	
86080	10101-52-7	*SILICIC ACID, ZIRCONIUM SALT		P	L3 for silicic acid. Postponed for Zr.		+	+
86160	00409-21-2	SILICON CARBIDE		3	Inert material.		+	+
86240	07631-86-9	SILICON DIOXIDE		1	ADI: not specified. (SCF, Rx).		+	+
86260	-	*SILICON DIOXIDE AMORPHOUS, FLUORINATED		8		A	+	
86280	-	*SILICON DIOXIDE AMORPHOUS, SILANATED		8		A	+	
86300	63148-62-9	*SILICONE OILS		9				+
86320		*SILICONES		9		PS	+	+
86340	11126-22-0	*SILICON OXIDE		9		A		+
86400	?	*SILOXANES AND SILICONES, DIMETHYL, ETHYL HYDROGEN, REACTION PRODUCTS WITH POLYETHYLENEGLYCOL MONOALLYL ETHER		9			+	
86402	68037-78-5	*SILOXANES AND SILICONES, DIMETHYL, HEXADECYLMETHYL, METHYL OCTADECYL		9		S1(69848), S2(69855)	+	+
86404	?	*SILOXANES AND SILICONES, DIMETHYL, HEXADECYLMETHYL, OCTADECYL METHYL, 11-METHOXY-11-OXOUNDECYLMETHYL		9		S1(69848), S2(69855)	+	+
86406	68937-54-2	*SILOXANES AND SILICONES, DIMETHYL, 3-HYDROXYPROPYL METHYL, ETHOXYLATED		9		S1(69848), S2(69870)	+	+
86408	68937-55-3	*SILOXANES AND SILICONES, DIMETHYL, 3-HYDROXYPROPYL METHYL, ETHOXYLATED PROPOXYLATED		9		S1(69848), S2(69870)	+	+
86410	129893-29-4	*SILOXANES AND SILICONES, DIMETHYL, HYDROXY-TERMINATED, ETHERS WITH POLYETHYLENE-POLYPROPYLENEGLYCOL		9		S1(69848), S2(69870)	+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		MONOBUTYL ETHER						
86412	67762-96-3	*SILOXANES AND SILICONES, DIMETHYL, HYDROXY-TERMINATED, ETHERS WITH POLYPROPYLENEGLYCOL MONOBUTYL ETHER		9		S1(69848), S2(69870)	+	+
86414	64365-23-7	*SILOXANES AND SILICONES, DIMETHYL, HYDROXY-TERMINATED, ETHOXYLATED PROPOXYLATED		9		S1(69848), S2(69855)	+	+
86416	67762-83-8	*SILOXANES AND SILICONES, DIMETHYL, METHYLOCTADECYL		9		S1(69848), S2(69855)	+	+
86418	68554-66-5	*SILOXANES AND SILICONES, DIMETHYL, POLYMERS WITH METHYLSILSESQUIOXANES, ETHOXY-TERMINATED		9		S1(69848), S2(69855)	+	+
86420	68554-67-6	*SILOXANES AND SILICONES, DIMETHYL, POLYMERS WITH METHYLSILSESQUIOXANES, HYDROXY-TERMINATED		9		S1(69848), S2(69855)	+	+
86422	68554-65-4	*SILOXANES AND SILICONES, DIMETHYL, POLYMERS WITH METHYLSILSESQUIOXANES AND POLYETHYLENE-POLYPROPYLENEGLYCOL MONOBUTYL ETHER		9		S1(69848), S2(69855)	+	+
86424	68554-64-3	*SILOXANES AND SILICONES, DIMETHYL, POLYMERS WITH METHYLSILSESQUIOXANES AND POLYPROPYLENEGLYCOL MONOBUTYL ETHER		9		S1(69848), S2(69855)	+	+
86440		SODIUM ALUMINATE		2	TDI: 1 mg/kg bw (as Al) based on PTWI : 7 mg/kg b.w. (as Al). (SCF, 25th Report, 1991).			+
86480	07631-90-5	SODIUM BISULPHITE		1	Group ADI: 0.7 mg/kg b.w. (JECFA 27 M., 1983).		+	+
86560	07647-15-6	SODIUM BROMIDE		1	Group ADI: 1 mg/kg b.w. (as Br) as pesticide residue. See references for ammonium bromide in list 2.	PA	+	
86640	09004-32-4	SODIUM CARBOXYMETHYLCELLULOSE		D	Group TDI not specified for natural, regenerated and modified cellulose (SCF 7th Report, 1978 and JECFA 17 M., 1973 and followin g).	A/Cov.by 42640	+	
86655	-	*SODIUM DIALKYLSULPHONIMIDES		9		PVC	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
86670	07775-14-6	*SODIUM DITHIONITE		8		PVA		+
86720	01310-73-2	SODIUM HYDROXIDE		1	ADI: not specified. (SCF, Rx).		+	+
86800	07681-82-5	SODIUM IODIDE		1	PMTDI: 0.017 mg/kg b.w. (as I) (JECFA 33 M., 1988).	PA	+	
86880	-	SODIUM MONOALKYL DIALKYLPHENOXYBENZENEDISULPHONATE		2	t-TDI= 0.15 mg/kg b.w. pending reproduction and teratogenicity studies. Available: 2-year oral rat and dog studies.	See CS/PM/182	+	
86960	07757-83-7	SODIUM SULPHITE		1	Group ADI: 0.7 mg/kg b.w. (JECFA 27 M., 1983).		+	+
87040	01330-43-4	SODIUM TETRABORATE		2	Group TDI: 0.2 mg/kg b.w. (as B). See references for boric acid.		+	
87120	07772-98-7	SODIUM THIOSULPHATE		1	Group ADI: 0.7 mg/kg b.w. as SO2. Included in the group ADI for sulphites. (JECFA 27 M., 1983).		+	+
87200	00110-44-1	SORBIC ACID		1	ADI: 25 mg/kg b.w. (SCF, 6th Series, 1978).		+	+
87280	29116-98-1	SORBITAN DIOLEATE		2	Group TDI: 5 mg/kg b.w. based on the group ADI 5 mg/kg b.w. for sorbitan esters of lauric and oleic acids. (SCF, 7th Series, 1978).		+	
87360	-	*SORBITAN, ESTERS WITH ACIDS, ALIPH., MONOCARB. (MORE THAN C5)		9			+	+
87440	71902-01-7	*SORBITAN ISOSTEARATE		9			+	
87520	62568-11-0	SORBITAN MONOBEHENATE		2	Group TDI= 5 mg/kg b.w. based on the group ADI 5 mg/kg b.w., for sorbitan esters of lauric and oleic acids. (SCF, 7th Series, 1978).		+	
87560	?	*SORBITAN MONOISOSTEARATE		8-P		S1(87360)	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
87600	01338-39-2	SORBITAN MONOLAURATE		1	Group ADI: 5 mg/kg b.w. for sorbitan monolaurate and sorbitan monooleate. (SCF, 7th Series, 1978).		+	+
87680	01338-43-8	+SORBITAN MONOOLEATE		1	Group ADI: 5 mg/kg b.w. for sorbitan monolaurate and sorbitan monooleate. (SCF, 7th Series, 1978).		+	+
87760	26266-57-9	SORBITAN MONOPALMITATE		1	Group ADI: 25 mg/kg b.w. for sorbitan monostearate, sorbitan monopalmitate and sorbitan tristearate. (SCF, 7th Series, 1978).		+	+
87840	01338-41-6	SORBITAN MONOSTEARATE		1	Group ADI: 25 mg/kg b.w. for sorbitan monostearate, sorbitan monopalmitate and sorbitan tristearate. (SCF, 7th Series, 1978).		+	+
87880	08007-43-0	*SORBITAN SESQUIOLEATE		7	Needed : hydrolysis data.	Cov.by 87360		+
87920	61752-68-9	SORBITAN TETRASTEARATE		2	Group TDI: 5 mg/kg b.w. based on the group ADI 5 mg/kg b.w. for sorbitan esters of lauric and oleic acids. (SCF, 7th Series, 1978).		+	
88000	54392-27-7	*SORBITAN TRIISOSTEARATE		9			+	
88080	26266-58-0	SORBITAN TRIOLEATE		2	Group TDI: 5 mg/kg b.w. based on the group ADI 5 mg/kg b.w. for sorbitan esters of lauric and oleic acids. (SCF, 7th Series, 1978).		+	+
88160	54140-20-4	SORBITAN TRIPALMITATE		2	Group TDI: 5 mg/kg b.w. based on the group ADI 5 mg/kg b.w. for sorbitan esters of lauric and oleic acids. (SCF, 7th Series, 1978).		+	
88240	26658-19-5	SORBITAN TRISTEARATE		1	Group ADI: 25 mg/kg b.w. for sorbitan monostearate, sorbitan monopalmitate and sorbitan tristearate.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					(SCF, 7th Series, 1978).			
88320	00050-70-4	SORBITOL		1	Acceptable. (SCF, 16th Series, 1985).	Same 24490	+	+
88400	-	*SORBITOL, ESTERS WITH ACIDS, ALIPH., MONOCARB. (MORE THAN C5)		9			+	+
88480	-	*SORBITOL, ESTERS WITH ACIDS, HYDROXYLATED, MONOCARB. (C12-C20)		9			+	
88495		*SORBITOL, ESTERS WITH ERUCIC ACID		7	Needed : hydrolysis data.	Cov.by 88400		+
88510		*SORBITOL, ESTERS WITH LAURIC ACID		7	Needed : hydrolysis data.	Cov.by 88400		+
88520		*SORBITOL, ESTERS WITH LINOLEIC ACID		7	Needed : hydrolysis data.	Cov.by 88400		+
88530		*SORBITOL, ESTERS WITH MYRISTIC ACID		7	Needed: hydrolysis data.	Cov.by 88400		+
88540		*SORBITOL, ESTERS WITH OLEIC ACID		7	Needed: hydrolysis data.	Cov.by 88400		+
88550		*SORBITOL, ESTERS WITH PALMITIC ACID		7	Needed : hydrolysis data.	Cov.by 88400		+
88560		See "88600"		D			+	
88570		*SORBITOL, ESTERS WITH PELARGONIC ACID		7	Needed : hydrolysis data.	Cov.by 88400		+
88580		*SORBITOL, ESTERS WITH RICINOLEIC ACID		7	Needed : hydrolysis data.	Cov.by 88480		+
88590		*SORBITOL, ESTERS WITH STEARIC ACID		7	Needed : hydrolysis data.	Cov.by 88400		+
88600	26836-47-5	SORBITOL MONOSTEARATE		2	TDI= not specified based on the ADI for sorbitol. (SCF, 17th Series, 1986).		+	
88615/0	68153-28-6	SOYA PROTEIN		0				+
88615/1	68153-28-6	*SOYA PROTEIN		9				+
88630/0	08001-22-7	SOYBEAN OIL (food grade quality)		D				+
88630/1	08001-22-7	SOYBEAN OIL		3	Food fat.	Same 24520		+
88640	08013-07-8	SOYBEAN OIL, EPOXIDIZED (OXIRANE LESS		2	t-TDI: 1 mg/kg b.w.		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		THAN 8%, IODINE NUMBER LESS THAN 6)			Available: 15-week and 2-year oral rat studies and 1-year oral dog study. (Bibra report n. 515/86; summary report prepared by UK January 1988). Needed: reproduction and teratogenicity studies.			
88650	68308-53-2	*SOYBEAN OIL FATTY ACIDS, POLYMERIZED		D			+	
88680	08002-23-1	*SPERMACETI WAX		8-P				+
88710	08002-24-2	*SPERM OIL		8				+
88720	-	*SPERM OIL, HYDROGENATED		8			+	
88740		*SPERM OIL, SULPHATED, AMMONIUM, POTASSIUM, OR SODIUM SALT		9				+
88800	09005-25-8	STARCH, EDIBLE		0			+	+
88880	68412-29-3	STARCH, HYDROLYSED		0			+	
88910		*STARCH, MODIFIED		9-P				+
88960	00124-26-5	*STEARAMIDE		7	Available: Ames test negative and migration data. (Rivm doc. 1990-09-12). Hydrolysis<95% (doc. CS/PM/1023). Needed: 90-day oral study, gene mutation and chromosome aberration in mammalian cells, bioaccumulation to be performed with erucamide, oleamide, or stearamide or demonstrate full hydrolysis by method suggested by applicant (CS/PM/1550).		+	+
89040	00057-11-4	STEARIC ACID		1	ADI: not specified. (SCF, 25th Series, 1990).	Same 24550	+	+
89120	00123-95-5	*STEARIC ACID, BUTYL ESTER		7	Needed: hydrolysis data.		+	+
89150	10119-53-6	*STEARIC ACID, CERIUM SALT		P	L1(= not specified) for stearic acid. Postponed for Ce.			+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
89165	13586-84-0	STEARIC ACID, COBALT SALT		1-3	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707). L1 for stearic acid. See references for stearic acid.			+
89170	01002-88-6	*STEARIC ACID, COBALT(II) SALT		1-3	L3 for Cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992)(CS/PM/1707). L1 for stearic acid. See references for stearic acid.	PET	+	
89200	00660-60-6	STEARIC ACID, COPPER (II) SALT		1	PMTDI: 0.5 mg/kg b.w. (as Cu). (JECFA 26 M., 1982).	PA	+	
89240	01323-83-7	STEARIC ACID, DIGLYCERIDE		3	Toxicologically acceptable.		+	
89280	05303-25-3	*STEARIC ACID, DODECYL ESTER		7	Needed: hydrolysis data.		+	
89360	-	*STEARIC ACID, ESTERS WITH ALCOHOLS, ALIPH.(C4-C22)		7	Needed: hydrolysis data.		+	
89440	-	STEARIC ACID, ESTERS WITH ETHYLENEGLYCOL		2	TDI: 0.5 mg/kg b.w. (SCF, 6th Series, 1978).		+	
89520	08045-34-9	*STEARIC ACID, ESTERS WITH PENTAERYTHRITOL		7	Needed: hydrolysis data.		+	
89600	00111-61-5	*STEARIC ACID, ETHYL ESTER		7	Needed: hydrolysis data.		+	
89680	22047-49-0	*STEARIC ACID, 2-ETHYLHEXYL ESTER		7	Needed: hydrolysis data.	PVC	+	
89760	26739-53-7	*STEARIC ACID, GUANIDINE SALT		W		A/L8	+	
89840	24466-84-0	*STEARIC ACID, HEPTYL ESTER		7	Needed: hydrolysis data.		+	
89920	01190-63-2	*STEARIC ACID, HEXADECYL ESTER		7	Needed: hydrolysis data.		+	
89950	03460-37-5	*STEARIC ACID, HEXYL ESTER		7	Needed: hydrolysis data.	PS	+	+
89970	05136-76-5	STEARIC ACID, IRON SALT		D			+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
90000	00646-13-9	*STEARIC ACID, ISOBUTYL ESTER		7	Needed: hydrolysis data.	PET	+	
90080	31565-38-5	*STEARIC ACID, ISODECYL ESTER		8		PVC	+	
90160	52652-59-2	*STEARIC ACID, LEAD (DIBASIC) SALT		D		Only for water pipes	+	
90240	07428-48-0	*STEARIC ACID, LEAD SALT		D		Only for water pipes	+	
90260	04485-12-5	STEARIC ACID, LITHIUM SALT		1-2	L1 (= not specified) for stearic acid. L2 for the Li. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.	Cov.by 31120		+
90290	10476-84-3	STEARIC ACID, MANGANESE SALT		1-2	L1 for stearic acid. ADI: not specified. See references for stearic acid. L2 for the Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.	Cov.by 31120		+
90305	28084-19-7	*STEARIC ACID, NONYL ESTER		8-P		S1(31200)	+	
90320	02778-96-3	*STEARIC ACID, OCTADECYL ESTER		7	Needed: hydrolysis data.		+	
90400	00109-36-4	*STEARIC ACID, OCTYL ESTER		7	Needed: hydrolysis data.		+	+
90480	06382-13-4	*STEARIC ACID, PENTYL ESTER		7	Needed: hydrolysis data		+	
90560	14351-40-7	*STEARIC ACID, 2-STEARAMIDOETHYL ESTER		7	Needed: hydrolysis data.		+	
90600	06994-59-8	STEARIC ACID, TIN(II) SALT		1	L1 for the stearic acid. ADI: not specified. See references for stearic acid. L1 for the Tin. PTWI: 14 mg/kg b.w. (33rd, JECFA, 1989)	Cov.by 31120		+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
90640	31556-45-3	*STEARIC ACID, TRIDECYL ESTER		7	Needed: hydrolysis data.		+	
90680	15844-92-5	*STEARIC ACID, ZIRCONIUM SALT		P	L1(=not specified) for stearic acid. Postponed for Zr.			+
90720	58446-52-9	STEAROYLBENZOYLMETHANE		2	TDI: 1.5 mg/kg b.w. 30-day oral rat, 90-day oral dog, 2-generation oral rat studies, mutagenicity and migration data. (RIVM report June 1979).	PVC	+	+
90800	05793-94-2	STEAROYL-2-LACTYLIC ACID, CALCIUM SALT		1	ADI: 20 mg/kg b.w. (SCF, 7th Series, 1978).		+	+
90840	05793-94-2	*2-(2-STEAROYLOXYPROPIONYL)OXY)PROPIONIC ACID, CALCIUM SALT		8-P			+	
90880	00142-48-3	*N-STEAROYLSARCOSINE		8			+	
90930		*STYRENE COPOLYMERS		9		PPO,PS,PUR,PVC, PVDC	+	
90960	00110-15-6	SUCCINIC ACID		1	ADI: not specified. (SCF, 25th Series, 1990).	Same 24820	+	
91040	28801-70-9	*SUCCINIC ACID, DIISODECYL ESTER		8		PVC	+	
91120	28880-24-2	*SUCCINIC ACID, DIISOOCTYL ESTER		8		PVC	+	
91135	00106-65-0	*SUCCINIC ACID, DIMETHYL ESTER		7	Needed: hydrolysis data.	Same 24835		+
91150	65447-77-0	*SUCCINIC ACID, DIMETHYL ESTER-(4-HYDROXY-2,2,6,6- TETRAMETHYL PIPERIDYL)ETHANOL, COPOLYMER		9		Same 60800	+	
91170	00108-30-5	SUCCINIC ANHYDRIDE		2	TDI: not specified based on ADI (=not specified) for succinic acid.	Same 24850		+
91185	00057-50-1	SUCROSE		0		Same 24880		+
91200	00126-13-6	SUCROSE ACETATE ISOBUTYRATE		1	ADI: 10 mg/kg bw. (SCF, Series.. in press)(cs,pm/1561).		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
91280	-	*SUCROSE ESTERS OF MONOCARB. ACIDS		9			+	
91360	00126-14-7	SUCROSE OCTAACETATE		3	Bitter taste.		+	
91400	03375-11-9	*3,3'-SULPHONYL-BIS(BENZENESULPHONIC ACID)DIHYDRAZIDE		8-P			+	
91440	-	*SULPHORICINIC ACID, SALTS		9		A	+	
91480		*SULPHORICINOLEIC ACID		8		Cov.by 31040		+
91520	05138-18-1	*SULPHOSUCCINIC ACID		8		PS	+	
91540	-	*SULPHOSUCCINIC ACID, ALKYL(C4-C20) ESTERS, SALTS		9			+	+
91560	02373-38-8	*SULPHOSUCCINIC ACID, BIS(1,3-DIMETHYLBUTYL) ESTER, SODIUM SALT		8		S1(91600)	+	
91570	10041-19-7	*SULPHOSUCCINIC ACID, BIS(2-ETHYLHEXYL)ESTER		6B-P		S1(91600)	+	+
91580	23386-52-9	*SULPHOSUCCINIC ACID, DICYCLOHEXYL ESTER, SODIUM SALT		8		S1(91600)	+	+
91600		See "91540"		D			+	+
91630	03006-15-3	*SULPHOSUCCINIC ACID, DIHEXYL ESTER, SODIUM SALT		8		S1(9600)	+	
91650	00127-39-9	*SULPHOSUCCINIC ACID, DIISOBUTYL ESTER, SODIUM SALT		8		S1(91600)	+	
91665	29857-13-4	*SULPHOSUCCINIC ACID, DIISODECYL ESTER, SODIUM SALT		6B/P	Needed: to be fixed at 54 M.	S1(91540)	+	+
91672	55184-72-0	*SULPHOSUCCINIC ACID, DIISOTRIDECYL ESTER, SODIIUM SALT		6B/P	Needed: to be fixed (Barlow)	S1(91540)	+	
91680	01639-66-3	*SULPHOSUCCINIC ACID, DIOCTYL ESTER, SODIUM SALT		7	Needed: migration data.		+	+
91720	00922-80-5	*SULPHOSUCCINIC ACID, DIPENTYL ESTER, SODIUM SALT		8		S1(91600)	+	
91760	02673-22-5	*SULPHOSUCCINIC ACID, DITRIDECYL ESTER, SODIUM SALT		8		PVDC	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
91780	67893-42-9	*SULPHOSUCCINIC ACID, 4-[2-[(12-HYDROXY-1-OXOOLEYL)-AMINO]ETHY L]ESTER, DISODIUM SALT		W8-P		New subst	+	
91800	37294-49-8	*SULPHOSUCCINIC ACID, ISODECYL ESTER, DISODIUM SALT		8		S1(91600)	+	
91840	07704-34-9	SULPHUR		3	Inert material.		+	+
91920	07664-93-9	SULPHURIC ACID		1	ADI: not specified. (SCF, Rx).		+	+
92000	07727-43-7	SULPHURIC ACID, BARIUM SALT (soluble Ba free)		3	L3 for Barium. R: 1 mg/kg (as Ba) in food or in food simulant. (Rivm doc., May 1992 (CS/PM/1584)). L3 for the compound. Insoluble material.		+	+
92020	10141-00-1	*SULPHURIC ACID, CHROMIUM (III) POTASSIUM SALT (2:1:1)		P	L1 (=not specified) for sulphuric acid. Cr?...			+
92040	12202-17-4 52732-72-6	*SULPHURIC ACID, LEAD (TRI- AND TETRABASIC) SALT		D		Only for water pipes	+	
92060	07488-55-3	SULPHURIC ACID, TIN(II) SALT		1-1	L1 for sulphuric acid. ADI : not specified. See references for sulphuric acid in list 1. L1 for the tin. PTWI: 14 mg/kg b.w. (as Sn) (33rd, JECFA, 1989).			+
92080	14807-96-6	TALC		1	ADI: not specified. (SCF, Rx).	Cov.by 85600	+	+
92100	61789-97-7	TALLOW		3-P	Toxicologically acceptable.			+
92120		*TALLOW, SULPHATED, AMMONIUM, POTASSIUM, OR SODIUM SALT		9		Cov.by 54640		+
92140	39386-78-2	*TAMARIND SEED GUM		9				+
92150	01401-55-4	*TANNIC ACIDS		P			+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
92160	00087-69-4	TARTARIC ACID		1	ADI: 30 mg/kg b.w. (SCF, Rx).		+	+
92180	00087-92-3	*TARTARIC ACID, DIBUTYL ESTER		7	Needed: hydrolysis data.	CA	+	+
92195	-	TAURINE SALTS		0		PUR/Cov.by 34880	+	
92205	57569-40-1	TEREPHTHALIC ACID, DIESTER WITH (2,2'-METHYLENEBIS(4-METHYL-6-tert-BUTYL PHENOL))		2	TDI: 1 mg/kg b.w. A 90-day oral rat study. (CIVO report 5569, December 1977).		+	+
92220		*TERPENE RESINS		9				+
92240		See "92180"		D			+	+
92250	30345-49-4	*TETRABUTYLPHOSPHONIUM ACETATE		8				+
92280		See "92205"		D			+	+
92300	00112-72-1	1-TETRADECANOL		3	Included in 33120. (SCF, R..).	Same 25070		+
92320	-	TETRADECYL-POLYETHYLENE OXIDE(3-8) ETHER OF GLYCOLIC ACID		2	t-TDI: 0.25 mg/kg b.w. Available: 28- and 90-day oral rat studies. (CIVO/TNO 3108 October 1970, 3287 October 1970). Needed: mutagenicity studies and specify monomer content.	PO	+	
92350	00112-60-7	TETRAETHYLENEGLYCOL		1	ADI : 10 mg/kg b.w. (SCF, 17th Series, 1986).	Same 25090	+	
92400	00097-77-8	*N,N'-TETRAETHYLTHIURAM DISULPHIDE		8		PE	+	+
92430	00109-99-9	TETRAHYDROFURAN		2	See references for same substance in monomer report.	PS/Same 25150	+	+
92450	00097-99-4	*TETRAHYDROFURFUROL		8			+	
92480	-	*TETRAKIS(2,4-DI-tert-BUTYLPHENYL)-2,4'-BIPHENYLYLENE DIPHOSPHONITE		7	Needed: neurotoxicity study in hens.	Not in EINECS/To be del	+	
92560	38613-77-3	TETRAKIS(2,4-DI-tert-BUTYL-PHENYL)-4,4'-BIPHENYLYLENE DIPHOSPHONITE		2	TDI: 0.3 mg/kg b.w. 90-day oral rat study and		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					mutagenicity studies. (Sandoz report 1979).			
92640	00102-60-3	N.N.N.'N'-TETRAKIS(2-HYDROXYPROPYL)ETHYLENEDIAMINE		2	TDI: 1 mg/kg b.w. (SCF, 17th Series, 1986).	Same 25180	+	+
92655	06683-19-8	TETRAKIS[METHYLENE(3,5-DI-tert-BUTYL-4-HYDROXY)HYDROCINNAMATE]METHANE		D		Same 71680	+	
92670	00075-57-0	*TETRAMETHYLAMMONIUMCHLORIDE		8				+
92685	00126-86-3	*2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL		8				+
92695	40538-81-6	*1,1,7,7-TETRAMETHYLDIETHYLENETRIAMINE		8				+
92705	00111-18-2	*N,N,N',N'-TETRAMETHYLHEXAMETHYLENEDIAMINE		8				+
92720	00137-26-8	*N.N'-TETRAMETHYLTHIURAM DISULPHIDE		8		PE	+	+
92740	11067-82-6	*TETRAPROPYLENE BENZENE SULPHONIC ACID, SODIUM SALT		8		S1(33680)	+	+
92760	00096-69-5	*THIOBIS(6-tert-BUTYL-m-CRESOL)		D		Same 92800	+	
92800	00096-69-5	4,4'-THIOBIS(6-tert-BUTYL-3-METHYLPHENOL)		2	t-TDI: 0.008 mg/kg b.w. pending results of ongoing 2-year and reproduction studies. Available: 28- and 90-day oral rat studies, one in-vitro mutagenic test. (RIVM doc. 88/678608/007, 1 November 1988).		+	+
92820	13560-49-1	THIOBIS(ETHYLENEGLYCOL 3-AMINOCROTONATE)		D		Same 35120	+	
92840	00096-69-5	*THIOBIS(2-METHYL-4-HYDROXY-5-tert-BUTYL)BENZENE		D		Same 92800	+	+
92860	01762-95-4	*THIOCYANIC ACID, AMMONIUM SALT		8				+
92880	41484-35-9	THIODIETHANOL BIS(3-(3,5-DI-tert-BUTYL-4-HYDROXY PHENYL) PROPIONATE		2	TDI: 0.04 mg/kg b.w. 90-day oral rat study, mutagenicity, studies. Desirable: migration data. (RIVM report 88/678608/009, 1989-01-24).		+	
92900	41484-35-9	THIODIETHYLENEBIS(3,5-DI-tert-BUTYL-4-HY		D			+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
		DROXYHYDROCINNAMATE)						
92930	120218-34-0	THIODIETHYLENE-BIS[5-METHOXYCARBONYL-2-6-DIMETHYL-1,4-DIHYDROPYRIDINE-3-CARBOXYLATE]		2	TDI: 0.1 mg/kg b.w. 90-day oral rat study, mutagenicity tests negative, absence of bioaccumulation. (CS/PM/305,336,358,460).	New subst.	+	
92960	00111-17-1	*THIODIPROPIONIC ACID		8			+	+
93000	10526-15-5	*THIODIPROPIONIC ACID, BIS(2-ETHYLHEXYL) ESTER		6B-P	Group R: 0.025 mg/kg bw. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.			+
93040	-	*THIODIPROPIONIC ACID, DIBEHENYL ESTER		7	Needed: hydrolysis data.	Not in EINECS/To be del	+	
93120	00123-28-4	*THIODIPROPIONIC ACID, DIDODECYL ESTER		P	JECFA ADI not endorsed by SCF. Postponed to 54M.		+	+
93200	03287-12-5	*THIODIPROPIONIC ACID, DIHEXADECYL ESTER		7	Needed: hydrolysis data.		+	+
93280	00693-36-7	*THIODIPROPIONIC ACID, DIOCTADECYL ESTER		8			+	+
93360	16545-54-3	*THIODIPROPIONIC ACID, DITETRADECYL ESTER		7	Needed: hydrolysis data.		+	+
93375	71449-78-0	*THIOPHENOXYPHENYLSULPHONIUM HEXAFLUOROANTIMONATE		8				+
93390	68156-13-8	*THIOPHENOXYPHENYLSULPHONIUM HEXAFLUOROPHOSPHATE		8				+
93415	07772-99-8	TIN(II) CHLORIDE		1	PTWI: 14 mg/kg b.w. (JECFA 1989)....			+
93420	07646-78-8	TIN(IV) CHLORIDE		1	PTWI: 14 mg/kg b.w. (JECFA 33rd Report 1989).			+
93440	13463-67-7	TITANIUM DIOXIDE		1	Acceptable. (SCF, 1st Series, 1975).		+	+
93470	20338-08-3	*TITANIUM HYDROXIDE		8				+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
93490	51745-87-0	*TITANIUM OXIDE		9		A		+
93520	00059-02-9 10191-41-0	alpha-TOCOPHEROL		1	Acceptable. (SCF, 22th Series, 1989).	PE,PP,PS	+	
93540	00108-88-3	TOLUENE		3	See references for the same substance in monomer report.	PS/Same 25205	+	+
93560		*TOLUENESULPHONIC ACIDS		9				+
93585	00104-15-4	*p-TOLUENESULPHONIC ACID		8		MF,PF,UF		+
93595	00080-48-8	*p-TOLUENESULPHONIC ACID, METHYL ESTER		8				+
93610	13732-62-2	p-TOLUENESULPHONIC ACID, MORPHOLINE SALT		5	Due to morpholine component.			+
93630		*TOLUENESULPHONYL CHLORIDE		9				+
93680	09000-65-1	TRAGACANTH GUM		1	ADI: not specified. (SCF, 21th Series, 1989).		+	+
93695	00102-76-1	TRIACETIN		D		Same 57760	+	
93720	00108-78-1	2,4,6-TRIAMINO-1,3,5-TRIAZINE		2	TDI: 0.5 mg/kg b.w. (SCF, 17th Series, 1986).	Same 25420	+	
93730		*2,4,6-TRIAMINO-1,3,5-TRIAZINE RESINS		9		POM	+	
93760	00077-90-7	*TRIBUTYL ACETYLCITRATE		8-P		Studies ongoing	+	+
93790	00102-82-9	*TRIBUTYLAMINE		8		PC,POM		+
93810	00060-01-5	TRIBUTYRIN		D		Same 57840	+	
93840	00087-90-1	TRICHLOROCYANURIC ACID		Dx	Postponed. Waiting for an answer to the circular letter from EEC (CS/PM/324) asking informations on technological function of the substance. Date limit: 30.6.90.	DSP	+	
93870	00071-55-6	*1,1,1-TRICHLOROETHANE		P			+	
93872	00079-00-5	*1,1,2-TRICHLOROETHANE		P			+	
93900	00079-01-6	*TRICHLOROETHYLENE		P		PVC	+	
93920	00075-69-4	*TRICHLOROFLUOROMETHANE		7	Needed: migration data and		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					specifications.			
93940	01320-78-1	*TRICHLOROPHENOL, POTASSIUM SALT		9				+
93950	01320-79-2	*TRICHLOROPHENOL, SODIUM SALT		9				+
93980	00112-70-9	1-TRIDECANOL		3	See references for "Alcohols, aliphatic, monohydric, saturated, linear, primary, (C4-C22)" in monomer report.			+
94000	00102-71-6	*TRIETHANOLAMINE		8		Same 25480/MF,PO,PVC ,PS,PUR	+	+
94040	85665-45-8	*TRIETHANOLAMINE ALKYL(C8-C14)SULPHATE		9		S1(94080)	+	
94060	90583-18-9	*TRIETHANOLAMINE ALKYL(C12-C14)SULPHATE		9		S1(94080)	+	
94080	-	*TRIETHANOLAMINE ALKYLSULPHURIC ACIDS, SALTS		9		PA,PE	+	+
94100	02717-15-9	*TRIETHANOLAMINE OLEATE		7	L7 for triethanolamine. L1 for oleic acid. ADI : not specified. (SCF, 25th Series, 1990).	PS	+	+
94160	00122-51-0	*TRIETHOXYMETHANE		8		PUR	+	+
94240	00077-89-4	*TRIETHYL ACETYLCITRATE		8			+	+
94270	00121-44-8	*TRIETHYLAMINE		8		PC,PO,POM		+
94300	00280-57-9	*TRIETHYLENEDIAMINE		8		PUR		+
94320	00112-27-6	TRIETHYLENEGLYCOL		2	Group TDI: 5 mg/kg b.w. (with polyethyleneglycol). (SCF 17th Series, 1986).	Same 25510	+	+
94400	36443-68-2	TRIETHYLENEGLYCOL BIS-3-(3-tert-BUTYL-4-HYDROXY -5-METHYLPHENYL) PROPIONATE		2	TDI: 0.05 mg/kg b.w. 90-day and 2-year oral rat and 90-day oral dog studies, teratogenicity and mutagenicity studies. (RIVM report 89/678608/001, 1989-09-01).		+	+
94480	26523-64-8	*TRIFLUOROTRICHLOROETHANE		7	Needed: migration data and	PUR	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					specification.			
94520	01421-63-2	*2,4,5-TRIHYDROXYBUTYROPHENONE		8				+
94560	00122-20-3	*TRIISOPROPANOLAMINE		7-P	Needed: reports from studies quoted, additional mutagenicity tests and migration data.		+	+
94640	-	*1,3,5-TRIISOPROPYLBENZENE-2,4-POLYCARBODIIMIDE		8		PO	+	
94680		*TRIMELLITIC ACID, TRIALKYL(C1-C8) ESTER		9				+
94720	68515-60-6	*TRIMELLITIC ACID, TRIALKYL(C7-C9) ESTER		W8		PVC/New subst.	+	
94760	27251-75-8	*TRIMELLITIC ACID, TRIISOOCTYL ESTER		9				+
94800	03319-31-1	*TRIMELLITIC ACID, TRIS(2-ETHYLHEXYL) ESTER		W7	Available: Ames test and indication of peroxisome proliferation. Needed: 90-day oral study, peroxisome proliferation study, reproduction and teratogenicity studies, tests for gene mutation and chromosome aberrations in mammalian cells in vitro.	PVC/New subst.	+	
94840	00593-81-7	*TRIMETHYLAMMONIUM CHLORIDE		8				+
94880	00067-48-1	*TRIMETHYLETHANOLAMMONIUM CHLORIDE		8		PAM/Same 25570	+	
94960	00077-99-6	1,1,1-TRIMETHYLOLPROPANE		2	TDI= 0.1 mg/kg b.w. (SCF, 17th Series, 1986).	PVC,PVCC/Same 25600	+	+
95040	01462-84-6	*2,3,6-TRIMETHYLPYRIDINE		8		PP	+	
95120	00108-75-8	*2,4,6-TRIMETHYLPYRIDINE		8		PP	+	
95200	01709-70-2	1,3,5-TRIMETHYL-2,4,6-TRIS(3,5-DI-tert-BUTYL-4-HYDROXYBENZYL)BENZENE		2	t-TDI: 1 mg/kg b.w. pending check of the reports. 2-year oral studies in rats and dogs and oral carcinogenicity studies in mice and rats. (Shell reports n. TLGR 0023.68. March 1969, TLGR. 0024.68, Sept. 1968, TLGR. 0019.69, March 1969).		+	+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
95230	00603-35-0	*TRIPHENYLPHOSPHINE		8		POM		+
95260	00139-45-7	TRIPROPIONIN		D		Same 58080	+	
95280	40601-76-1	1,3,5-TRIS(4-tert-BUTYL-3-HYDROXY-2,6-DIMETHYLBENZYL)-1,3,5-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE		2	t-TDI: 0.1 mg/kg b.w. Available: 90-day oral rat and dog studies. (RIVM document, June 1989). Needed: mutagenicity and migration data, impurities to be specified.		+	+
95360	27676-62-6	1,3,5-TRIS(3,5-DI-tert-BUTYL-4-HYDROXYBENZYL)-1,3,5-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE		3	Restriction = 5 mg/kg of food or food simulant. Available: 3-month oral rat study, mutagenicity studies negative, migration data. (RIVM doc. February 1992).		+	+
95400	00090-72-2	*2,4,6-TRIS[(DIMETHYLAMINO)METHYL]PHENOL		8				+
95440	00144-15-0	*TRIS(2-ETHYLHEXYL) ACETYLCITRATE		6B	Group R: 0.025 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.		+	+
95520	68958-97-4	*1,1,3-TRIS(2-METHYL-4-DITRIDECYL PHOSPHITE-5-tert-BUTYLPHENYL) BUTANE		8		PO	+	+
95600	01843-03-4	*1,1,3-TRIS(2-METHYL-4-HYDROXY-5-tert-BUTYLPHENYL) BUTANE		8			+	+
95630	00057-13-6	UREA		D		M	+	+
95645		*UREA RESINS		9		POM	+	
95680	00121-33-5	VANILLIN		1	ADI: 10 mg/kg b.w. (JECFA 11 M., 1967).	PE	+	
95695	08009-03-8	*VASELINE		8-P			+	
95710	-	VEGETABLE OILS, FROM FOOD SOURCES, HYDROGENATED OR NOT		3	Food fats or similar to food fats.		+	
95720	-	VEGETABLE OILS, INEDIBLE		D		A/SCF:Same as	+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
						54400		
95730		*VINYL ACETATE-VINYL CHLORIDE, COPOLYMER		9		PUR	+	
95740		*VINYL ACETATE-VINYL CHLORIDE-VINYL PROPIONATE, COPOLYMER		9		PUR	+	
95755		*VINYL ACETATE-VINYLPYRROLIDONE, COPOLYMERS		9				+
95760		See "95880"		D			+	+
95761		See "95881"		D			+	
95762		See "95882"		D			+	
95770	-	*VINYL CHLORIDE-VINYL ESTERS OF SAT., ALIPH., MONOCARB., ACIDS (C2-C18),COPOLYMERS		9			+	
95780		*VINYL CHLORIDE-VINYL PROPIONATE, COPOLYMER		9		PUR	+	
95790		*VINYL ETHERS-VINYLPYRROLIDONE COPOLYMERS		9				+
95800		*VINYLIDENE CHLORIDE COPOLYMERS		9		PUR	+	
95810	00088-12-0	*VINYLPYRROLIDONE		6A		Same 26230		+
95820	-	*VINYLPYRROLIDONE-METHACRYLIC ACID, ESTERS WITH ALCOHOLS ALIPH.,MONOH.,SAT.(C1-C18), COPOLYMERS		9		PS	+	
95830	-	*VINYLPYRROLIDONE-VINYL ACETATE AND/OR VINYL PROPIONATE, COPOLYMERS		9		PVC,PVDC	+	
95840		See "95905"		D			+	
95860	-	*WAXES, NATURAL		D			+	
95870		WHEAT PROTEIN		0				+
95880	08042-47-5	*WHITE MINERAL OIL		9	Specify identity.		+	+
95881		WHITE MINERAL OIL (HYDROGENATED)		2	Group t-TDI: 0.05 mg/kg b.w. See references for 59935 in list 2. Purity criteria to be		+	

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					established.			
95882	08042-47-5	WHITE MINERAL OIL (CONVENTIONAL, food grade quality)		2	Group t-TDI: 0.005 mg/kg b.w. See references for 59950 in list 2.		+	
95890	08002-74-2	WHITE SOFT PARAFFIN		D		A/Cov.by 71280	+	
95905	13983-17-0	WOLLASTONITE (=NATURAL CALCIUM SILICATE/ (FREE FROM ASBESTOS))		3	Free from asbestos. Inert, insoluble material.	SCF:Free from asbestos	+	
95920	-	WOOD FLOUR AND FIBERS		3	Inert material.	MF,PF,UF	+	+
95935	11138-66-2	XANTHAN GUM		1	ADI : not specified. (30th, JECFA, 1986).	PAM,PAN,PS,PVC, PVDC/Cov.by 58560	+	+
95945	01330-20-7	XYLENE		3	R: 0.02 mg/kg bw. See references for the same compound in monomer list.	PVC/Same 26370/odor threshold 25 ppb.	+	+
95947	00095-47-6	*o-XYLENE		P				+
95949	00108-38-3	*m-XYLENE		P				+
95951	00106-42-3	*p-XYLENE		P				+
95990	09010-66-6	ZEIN		0				+
96000	-	*ZINC ALKYLARYLDITHIOCARBAMATE		9			+	
96080	-	*ZINC DIALKYLDITHIOCARBAMATE		9			+	
96160	00136-23-2	*ZINC DIBUTYLDITHIOCARBAMATE		8			+	+
96170	14324-55-1	*ZINC DIETHYLDITHIOCARBAMATE		8				+
96180		ZINC DUST		1	ADI : 1 mg/kg b.w. (JECFA, 26M, 1982).			+
96190	20427-58-1	ZINC HYDROXIDE		1	ADI : 1 mg/kg b.w. (JECFA, 26M, 1982).	PO	+	+
96200	55799-16-1	ZINC HYDROXYPHOSPHITE		2	TDI: 1 mg/kg b.w. (as Zn). (JECFA, 26M, 1982). TDI: 70 mg/kg b.w. Based on ADI (= 70 mg/kg b.w.)			+

PM/REF N.	CAS N.	NAME	RES TR.	SCF L	OPINION SCF	REMARKS	MAT PL	MAT C
1	2	3	4	5	6	7	8	9
					for phosphate. (JECFA, 26M, 1982).			
96220	00557-09-5	ZINC OCTANOATE		D		Cov.by 68560	+	
96240	01314-13-2	ZINC OXIDE		3	Inert material.		+	+
96280	09010-69-9	ZINC SALT OF RESINIC ACIDS		D		Cov.by 83520	+	
96320	01314-98-3	ZINC SULPHIDE		3	Inert material.		+	+
96400	53801-45-9	*ZIRCONIUM OXIDE		P				+
96480	32535-84-5	*ZIRCONYL AMMONIUM CARBONATE		P				+

POLYMER PRODUCTION AIDS

(AP = SUBSTANCES WHICH DIRECTLY INFLUENCE THE FORMATION OF POLYMERS)

(promemoria)

For the purpose of the EEC Directive "aids to polymerization"(=AP) includes only the substances which directly influence theformation of polymers. They include for example:

- accelerators
- catalysts
- catalyst deactivators
- catalyst supports
- catalyst modifiers
- chain scission reagents
- chain transfer or extending agents
- chain stop reagents
- cross-linking agents
- initiators and promoters
- molecular weight regulators
- polymerization inhibitors
- redox agents

Therefore (conventionally) the "aids to polymerization" do not include the so-called "polymerization production aids" which are included between the additives (see Annex 2). For clarity the AP shall not include for example the following substances:

- anti-foam reagents/degassing agents
- blowing agents
- buffering agents
- build-up suppressants
- dispersing aids
- emulsifiers
- flow control agents
- nucleating agents
- pH regulators
- solvents
- surfactants
- suspension agents
- stabilizers
- thickening agents
- water treatment reagents

THE END