EUROPEAN COMMISSION

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(42nd series)

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COMPILATION OF THE EVALUATIONS OF THE SCIENTIFIC COMMITTEE FOR FOOD ON CERTAIN MONOMERS AND ADDITIVES USED IN THE MANUFACTURE OF PLASTICS MATERIALS INTENDED TO COME INTO CONTACT WITH FOODSTUFFS UNTIL 21 MARCH 1997

Directorate-General Consumer Policy and Consumer Health Protection

1999

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The Commission services would like to express acknowledgement to the numerous experts who have so seriously contributed with their valuable and kind assistance to these evaluations made by the SCF and its Working Group on Food Contact Materials since 1974. The list of experts is too extensive to reproduce it here.

Compilation of the evaluations of the Scientific Committee for Food on certain monomers and additives used in the manufacture of plastics materials intended to come into contact with foodstuffs until 21 March 1997

Introduction

This compilation of the evaluations of the Scientific Committee for Food on certain monomers and additives used in the manufacture of plastics materials intended to come into contact with foodstuffs contains all the evaluations and re-evaluations carried out by the SCF from its first report until 21 March 1997 (106th meeting of the SCF). These evaluations have been prepared by the SCF Working Group 'Food Contact Materials' from the 1st until the 68th (inclusive) meeting of the Working Group.

The Scientific Committee for Food has in the past published various reports on toxicological assessment of certain monomers and other starting substances as well of certain additives used in the manufacture of plastic materials and articles intended to come into contact with foodstuffs (1-5) which comply with the definition of plastic materials and articles in the Directive 90/128/EEC (6).

This compilation replaces the previous publications. It also incorporates all the evaluations since the last publication adopted on 3 May 1992. The publication of this information in this compiled manner establishes a single reference point of all the evaluations, thus providing better clarity and transparency of the evaluations.

The Secretariat of the SCF

Abbreviations used in this compilation

ADI	=	acceptable daily intake
MTDI	=	maximum tolerable daily intake
NS	=	not specified
PMTDI	=	provisional maximum tolerable daily intake
PTWI	=	provisional tolerable weekly intake
R	=	restriction indicated, if not otherwise indicated R: x mg/kg means mg/kg of food or food simulant.
TDI		= tolerable daily intake
t-ADI	=	temporary ADI
t-TDI	=	temporary TDI
BIBRA	=	British Industrial Biological Research Association (UK)
CAS N.	=	Chemical Abstract Service Registry Number (USA)
CIVO-TNO	=	Central Institute for Nutrition and Food Research (NL)
EM	=	electron microscopy
FAO	=	Food and Agriculture Organisation (UN)
HRC	=	Huntingdon Research Centre (UK)
IARC	=	International Agency for Research on Cancer (F)
JECFA	=	Joint FAO/WHO Expert Committee on Food Additives (UN)
NTP	=	national toxicology program (USA)
RIVM	=	National Institute for Public Health and Environmental Protection (NL)
SCC	=	Scientific Committee for Cosmetology (EEC)
SCF	=	Scientific Committee for Food (EEC)
WHO	=	World Health Organisation (UN)

Background

1. The Committee was informed by the Commission that it is intended to regulate plastic materials and articles coming into contact with food by directives based on the principle of positive lists.

   In elaborating its advice the Committee has taken into consideration its toxicological guidelines established in 1976 (7) and revised in 1990 (8). Each substance examined in this report was evaluated on the basis of information on its properties, on its use in plastic materials and articles and of toxicity data submitted to the Committee. Unpublished data available to the Committee are listed among the references. Only the main sources of information on which it has based its assessment have been indicated.

2. In some cases the evaluation of the Committee differs from that of the Council of Europe (9), because new toxicological data have become available for some of the listed substances subsequent to the publication of the Council of Europe report and because new scientific developments in toxicology, e.g. concerning genotoxicity, have been taken into consideration.

3. For the purposes of this report the Committee has endorsed acceptable daily intakes (ADI) already established by this Committee or by JECFA. When JECFA ADIs were used, the Committee did not necessarily review the database for the JECFA decision. Intake from packaging materials should be included within the quantity ingested from food additive use. The Committee stresses that the acceptance of an ADI figure, in the context of this evaluation of substances used in the manufacture of plastic materials does not necessarily mean the endorsement of the figure for food additive use.

   The Committee also endorsed provisional maximum tolerable daily intakes (PMTDI) or provisional tolerable weekly intakes (PTWI) set by JECFA for contaminants. In former times JECFA used the terminology 'not limited'. At the 18th JECFA meeting this classification was changed to 'not specified' as this was found to be more appropriate. In line with the background for the latter decision SCF has for reasons of consistency used the classification 'not specified' throughout. Some substances which have not been found acceptable for direct food uses may still be considered acceptable for inclusion in plastic materials since concentrations in food from migration would be so low as to be toxicologically acceptable.

4. The Committee established tolerable daily intakes (TDI) where the data sufficed for this purpose and temporary TDIs (t-TDI) where additional data are required. In selecting this approach the Committee was aware that the available toxicological data were less extensive than in the case of food additives (e.g. reproduction, teratogenicity or mutagenicity data were sometimes incomplete or lacking). Therefore, in establishing these TDIs a particularly cautious approach was chosen involving the choice of a larger safety factor than usual. The Committee considered that many of the substances which could migrate potentially from plastic materials and articles might

also migrate from other materials, when present therein, into the same or other foods or might be ingested from other sources. The TDIs need not be restricted in their applicability to substances used in plastic materials and articles. The TDIs are valid equally if these substances are used as components in the manufacture of any other group of materials and articles for food use.

5. The Committee emphasises that, even when a substance is toxicologically acceptable, for reasons of food quality, migration of such a substance into foods from plastic materials and articles should be as low as possible and therefore recommended that the finished plastic materials and articles contain the lowest possible level of the residual free monomer or, in the case of additives, to achieve the technological effect. This may also avoid a situation in which most of a TDI is taken up by a substance approved for use in plastic materials and articles thus blocking its use in other materials and articles for food use, where it might also be technologically required.

6. Conclusions on the toxicological assessment — with selected references — were prepared for those substances for which the Committee was able to express an opinion. The Committee considered that the assessment of substances in lists 6–9 posed a number of difficulties due to incompleteness or absence of data or because the data indicated that the substance might have toxic properties.

7. List 4 contains some substances for which sensitive methods of analysis have been developed and for which very low migration limits have been set. For other substances on list 4 similar sensitive methods should be developed so that appropriate low migration limits can be defined.

8. The Committee considered that substances in list 6 for which data are lacking or are insufficient were suspected of having toxic properties. Those in list 6A are suspected of having carcinogenic properties, those in list 6B are suspected of having other toxic properties. Each substance listed in list 6A should in principle not be detectable in foods or in food simulants by an appropriate sensitive method for that substance. The Committee recommends that the information be supplied or that the appropriate toxicological tests be carried out as soon as possible.

9. When additional studies are needed for the final evaluation (lists 6–9), this is indicated beside the substance by the word 'Needed' together with a brief note of the studies required.

Definition of the SCF lists

List 0

Substances 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 for other reasons need not be established for this purpose.

List 1

Substances, e.g. food additives, for which an ADI, a 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 a t-TDI has been established by this Committee.

List 3

Substances for which an ADI or a TDI could not be established, but where the use could be accepted. Some of these substances are self-limiting because of their organoleptic properties or are volatile and therefore unlikely to be present in the finished product. For other substances with very low migration, a TDI has not been set but the maximum level to be used in any packaging material or a specific limit of migration is stated.

List 4 (for monomers)

Section 4A

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 4B

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

Section 6A: Substances suspected to have carcinogenic properties. These substances should not be detectable in foods or in food simulants by an appropriate sensitive method.

Section 6B: 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 a 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 in 'SCF Guidelines' are not available.

List W

'Waiting list'. Substances not yet included in the Community lists, as they should be considered 'new' substances, i.e. substances never approved at national level. These substances cannot be included in the Community lists, as they lack the data requested by the Committee.

References

(1) Commission of the European Communities, Report of the Scientific Committee for Food (17th Series,1986).

(2) Commission of the European Communities, Report of the Scientific Committee for Food (19th Series, 1988).

(3) Commission of the European Communities, Report of the Scientific Committee for Food (20th Series, 1989).

(4) Commission of the European Communities, Report of the Scientific Committee for Food (30th Series, 1992).

(5) Commission of the European Communities, Report of the Scientific Committee for Food (33rd Series, 1995).

(6) Commission Directive 90/128/EEC, OJ L 75, 23.3.1990, p. 19, rectified by OJ L 349, 13.12.1990.

(7) Commission of the European Communities, Report of the Scientific Committee for Food (3rd Series, 1977).

(8) Commission of the European Communities, Report of the Scientific Committee for Food (26th Series, 1992).

(9) Council of Europe Publication *Substances used in plastic materials coming into contact with food*, 2nd edition, Strasbourg, 1982.

1. MONOMERS

REF No	NAME	CAS No	SCF List	SCF Opinion
10030	ABIETIC ACID	00514-10-3	2	Group TDI: 1 mg/kg b.w. 90-day and 2-year oral rat studies. (Ind Bio Test, 1962). (SCF, 17th Report, 1986).
10090	ACETIC ACID	00064-19-7	1	Group ADI: not specified. (SCF, 25th Series, 1990).
10120	ACETIC ACID, VINYL ESTER	00108-05-4	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).
10150	ACETIC ANHYDRIDE	00108-24-7	2	Group TDI: included in the ADI not specified for acetic acid. (SCF, 25th Series, 1990).
10157	ACETOPHENONE	00098-86-2	8	
10160	alpha-ACETOXYSTYRENE	02206-94-2	6A	
10162	beta-ACETOXYSTYRENE	10521-96-7	6A	
10180	p-(ACETYLAMINO)BENZOIC ACID	00556-08-1	7	Needed: 28-day oral study, hydrolysis and migration data.

REF No	NAME	CAS No	SCF List	SCF Opinion
10210	ACETYLENE	00074-86-2	3	Residues of this gas in plastics are very small. The gas has low toxic potential. 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	
10218	ACIDS, ALIPHATIC AND CYCLIC, MONO- AND POLYCARBOXYLIC, CROTONYL ESTERS	-	9	
10221	ACIDS, ALIPHATIC AND CYCLIC, MONO- AND POLYCARBOXYLIC, METHALLYL ESTERS	-	9	
10224	ACIDS, ALIPHATIC AND CYCLIC, MONO- AND POLYCARBOXYLIC, VINYL ESTERS	-	9	
10230	ACIDS, ALIPHATIC, DICARBOXYLIC (C3-C18), DIALLYL ESTERS	-	9	
10233	ACIDS, ALIPHATIC, DICARBOXYLIC (C3-C18), DIVINYL ESTERS	-	9	
10240	ACIDS, ALIPHATIC, DICARBOXYLIC, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC	-	9	
10270	ACIDS, ALIPHATIC, DICARBOXYLIC (C3-C12), ESTERS WITH ALCOHOLS, UNSATURATED (C3-C18)	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
10280	ACIDS, ALIPHATIC, DICARBOXYLIC, LINEAR (C6-C12)	-	9	
10285	ACIDS, ALIPHATIC, DICARBOXYLIC, LINEAR (C2-C12), METHYL ESTERS	-	9	
10300	ACIDS, ALIPHATIC, DICARBOXYLIC, SATURATED (C4-C18)	-	9	
10305	ACIDS, ALIPHATIC, DICARBOXYLIC, SATURATED (C4-C22)	-	9	
10315	ACIDS, ALIPHATIC, DICARBOXYLIC, SATURATED, ESTERS WITH POLYPROPYLENEGLYCOL	-	9	
10330	ACIDS, ALIPHATIC, DICARBOXYLIC, UNSATURATED (C4-C12)	-	9	
10360	ACIDS, ALIPHATIC, DICARBOXYLIC, UNSATURATED, ESTERS WITH POLYETHYLENEGLYCOL	-	9	
10390	ACIDS, ALIPHATIC, DICARBOXYLIC, UNSATURATED, ESTERS WITH POLYPROPYLENEGLYCOL	-	9	
10400	ACIDS, ALIPHATIC, DICARBOXYLIC, UNSATURATED (C4-C12), omega-SULPHOALKYL(C2-C6) DIESTER	-	9	
10410	ACIDS, ALIPHATIC, DICARBOXYLIC, UNSATURATED (C4-C12), omega-SULPHOALKYL(C2-C6) ESTERS OF MONOALKYL(C1-C18) ESTERS	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
10420	ACIDS, ALIPHATIC, MONO- AND DICARBOXYLIC (C2-C20), VINYL ESTERS	-	9	
10435	ACIDS, ALIPHATIC, MONOCARBOXYLIC, BRANCHED (C8-C20)	-	9	
10450	ACIDS, ALIPHATIC, MONOCARBOXYLIC (C3-C12), ESTERS WITH ALCOHOLS, UNSATURATED (C3-C18)	-	9	
10480	ACIDS, ALIPHATIC, MONOCARBOXYLIC, SATURATED (C2-C24)	-	9	
10510	ACIDS, ALIPHATIC, MONOCARBOXYLIC, UNSATURATED (C3-C24)	-	9	
10540	ACIDS, ALIPHATIC, MONOCARBOXYLIC, UNSATURATED (C3-C8), ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C2-C12)	-	9	
10570	ACIDS, ALIPHATIC, MONOCARBOXYLIC, UNSATURATED, ESTERS WITH POLYPROPYLENEGLYCOL	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
10572	ACIDS, ALIPHATIC, MONOCARBOXYLIC, UNSATURATED (C3-C18), omega-SULPHOALKYL(C2-C6) ESTERS	-	9	
10574	ACIDS, ALIPHATIC, MONOCARBOXYLIC (C2-C20), VINYL ESTERS	-	9	
10576	ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C1-C18)	-	9	
10578	ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC (C1-C18)	-	9	
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	
10582	ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), ESTERS WITH ALKYL(C8-C18)POLY(ETHYLENE- AND/OR PROPYLENE- AND/OR BUTYLENEGLYCOL)	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
10584	ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), ESTERS WITH CYCLOHEXANOL	-	9	
10586	ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), ESTERS WITH ETHER ALCOHOLS (C2-C20)	-	9	
10588	ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), ESTERS WITH POLY(ETHYLENE- AND/OR PROPYLENE- AND/OR BUTYLENEGLYCOL)	-	9	
10590	ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), MONOESTERS WITH BUTANEDIOL	-	9	
10592	ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12) MONOESTERS WITH ETHYLENEGLYCOL	-	9	
10594	ACIDS, ALIPHATIC, MONO- AND POLYCARBOXYLIC (C3-C12), MONOESTERS WITH PROPANEDIOL	-	9	
10595	ACIDS ALIPHATIC, SATURATED(C10), VINYL ESTERS	?	9	
10596	ACIDS, FATTY, ABOVE C6	-	9	
10598	ACIDS, FATTY, DIMERS AND TRIMERS	-	9	
10599/ 50	ACIDS,FATTY,SATURATED(C8)	?	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
10599/53	ACIDS,FATTY, SATURATED(C9)	?	9	
10599/56	ACIDS,FATTY,SATURATED(C10)	?	9	
10599/70	ACIDS,FATTY,UNSATURATED(C18)	?	9	
10599/73	ACIDS,FATTY,UNSATURATED(C20)	?	9	
10599/76	ACIDS,FATTY,UNSATURATED(C22)	?	9	
10599/79	ACIDS,FATTY,UNSATURATED(C24)	?	9	
10599/90A	ACIDS, FATTY, UNSATURATED(C18), DIMERS, DISTILLED	61788-89-4	7-P	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).
10599/91	ACIDS, FATTY, UNSATURATED(C18), DIMERS, NON-DISTILLED	61788-89-4	7-P	See references for 10599/90A.
10599/92A	ACIDS, FATTY, UNSATURATED(C18), DIMERS, HYDROGENATED, DISTILLED	68783-41-5	7-P	See references for 10599/90A.
10599/93	ACIDS, FATTY, UNSATURATED(C18), DIMERS, HYDROGENATED, NON-DISTILLED	68783-41-5	7-P	See references for 10599/90A.

REF No	NAME	CAS No	SCF List	SCF Opinion
10600	ACIDS, LINEAR, WITH AN EVEN NUMBER OF CARBON ATOMS (C8-C22), AND THE DIMERS AND TRIMERS OF THE UNSATURATED ACIDS	-	D	
10615	ACONITIC ACID	00499-12-7	8	
10620	ACONITIC ACID, METHYL ESTERS	-	9	
10630	ACRYLAMIDE	00079-06-1	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	2-ACRYLAMIDO-2-METHYLPROPANESULPHONIC ACID	15214-89-8	3	R: 0.05 mg/kg of food. Available: Migration data and mutagenicity tests. Considered non-genotoxic based on the available studies (CS/PM/2083).
10690	ACRYLIC ACID	00079-10-7	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. (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, 6 February 1990).
10720	ACRYLIC ACID, ALLYL ESTER	00999-55-3	6A	

REF No	NAME	CAS No	SCF List	SCF Opinion
10750	ACRYLIC ACID, BENZYL ESTER	02495-35-4	2	Group TDI: 0.1 mg/kg b.w. (as acrylic acid). Hydrolysis (complete) data allow to allocate the same TDI as acrylic acid.
10775	ACRYLIC ACID, 4-tert-BUTYLCYCLOHEXYL ESTER	84100-23-2	8	
10780	ACRYLIC ACID, n-BUTYL ESTER	00141-32-2	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.
10810	ACRYLIC ACID, sec-BUTYL ESTER	02998-08-5	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.
10840	ACRYLIC ACID, tert-BUTYL ESTER	01663-39-4	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.
10870	ACRYLIC ACID, 2-CHLOROETHYL ESTER	02206-89-5	8	
10900	ACRYLIC ACID, CYCLOHEXYLAMINOETHYL ESTER	-	8	
10930	ACRYLIC ACID, CYCLOHEXYL ESTER	03066-71-5	8	Available: hydrolysis data, but hydrolysis is not complete.
10960	ACRYLIC ACID, CYCLOPENTYL ESTER	16868-13-6	8	
10990	ACRYLIC ACID, DECYL ESTER	02156-96-9	7	Needed: hydrolysis data.
10995	ACRYLIC ACID, N,N-DIALKYL(C1-C4)AMINOALKYL(C2-C8) ESTER	-	9	
11000	ACRYLIC ACID, DICYCLOPENTADIENYL ESTER	50976-02-8	3	R: 0.05 mg/kg of food. Available: Migration by worst case calculation < 50 ppb, 3 mutagenicity tests negative. (RIVM/TNO/ISS SDS CS/PM/2743, January 1996).

REF No	NAME	CAS No	SCF List	SCF Opinion
11005	ACRYLIC ACID, DICYCLOPENTENYL ESTER	12542-30-2	8	
11010	ACRYLIC ACID, DIESTER WITH 2,2-BIS(4-HYDROXY PHENYL)PROPANE BIS(2-HYDROXYETHYL) ETHER	24447-78-7	8	
11020	ACRYLIC ACID, DIESTER WITH 1,3-BUTANEDIOL	19485-03-1	8	
11050	ACRYLIC ACID, DIESTER WITH 1,4-BUTANEDIOL	01070-70-8	8	
11080	ACRYLIC ACID, DIESTER WITH DIETHYLENEGLYCOL	04074-88-8	8	
11090	ACRYLIC ACID, DIESTER WITH 2,2-DIMETHYL-1,3-PROPANEDIOL	02223-82-7	8	
11100	ACRYLIC ACID, DIESTER WITH DIPROPYLENEGLYCOL	57472-68-1	8	
11110	ACRYLIC ACID, DIESTER WITH ETHYLENEGLYCOL	02274-11-5	8	
11140	ACRYLIC ACID, DIESTER WITH 1,6-HEXANEDIOL	13048-33-4	8	
11170	ACRYLIC ACID, DIESTER WITH POLYETHYLENEGLYCOL	26570-48-9	8	
11180	ACRYLIC ACID, DIESTER WITH TETRAETHYLENEGLYCOL	17831-71-9	8	
11190	ACRYLIC ACID, DIESTER WITH TRIETHYLENEGLYCOL	01680-21-3	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
11195	ACRYLIC ACID, DIESTER WITH TRIPROPYLENEGLYCOL	68901-05-3 and 42978-66-5	8	
11200	ACRYLIC ACID, 2-(DIETHYLAMINO)ETHYL ESTER	02426-54-2	8	
11230	ACRYLIC ACID, 2-(DIMETHYLAMINO)ETHYL ESTER	02439-35-2	7	Needed: hydrolysis data.
11260	ACRYLIC ACID, 2,3-EPOXYPROPYL ESTER	00106-90-1	6A	
11290	ACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C1-C21)	-	9	
11320	ACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, UNSATURATED (C4-C18)	-	9	
11335	ACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, POLYHYDRIC	-	9	
11350	ACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, POLYHYDRIC (C2-C21)	-	9	
11380	ACRYLIC ACID, ESTERS WITH ETHERALCOHOLS	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
11410	ACRYLIC ACID, ESTERS WITH GLYCOLETHERS OBTAINED FROM MONO- AND/OR DIGLYCOLS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC (C1-C18)	-	9	
11425	ACRYLIC ACID, ESTER WITH METHOXYDIETHYLENEGLYCOL	?	8	
11430	ACRYLIC ACID, ESTER WITH METHOXYPOLYETHYLENEGLYCOL	32171-39-4	8	
11440	ACRYLIC ACID, ESTER WITH TRIMETHYLETHANOLAMMONIUM CHLORIDE	44992-01-0	8	
11470	ACRYLIC ACID, ETHYL ESTER	00140-88-5	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.
11500	ACRYLIC ACID, 2-ETHYLHEXYL ESTER	00103-11-7	8-P	
11520	ACRYLIC ACID, 2-HYDROXYISOPROPYL ESTER (= acrylic acid, 2-hydroxy-1-methylethyl ester)	02918-23-2	7	Needed: hydrolysis data.
11532	ACRYLIC ACID, 3-HYDROXYPROPYL ESTER	02761-08-2	8	
11560	ACRYLIC ACID, ISOBORNYL ESTER	05888-33-5	8	
11590	ACRYLIC ACID, ISOBUTYL ESTER	00106-63-8	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.
11620	ACRYLIC ACID, ISODECYL ESTER	01330-61-6	8	
11645	ACRYLIC ACID, ISOOCTADECYL ESTER	93841-48-6	8	
11650	ACRYLIC ACID, ISOOCTYL ESTER	29590-42-9	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
11680	ACRYLIC ACID, ISOPROPYL ESTER	00689-12-3	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.
11695	ACRYLIC ACID, 2-METHOXYETHYL ESTER	03121-61-7	6B	
11710	ACRYLIC ACID, METHYL ESTER	00096-33-3	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.
11740	ACRYLIC ACID, MONOESTER WITH 1.3-BUTANEDIOL	10095-13-3	7	Needed: hydrolysis data.
11770	ACRYLIC ACID, MONOESTER WITH 1,4-BUTANEDIOL	02478-10-6	8	
11800	ACRYLIC ACID, MONOESTER WITH DIETHYLENEGLYCOL	13533-05-6	7	Needed: hydrolysis data.
11815	ACRYLIC ACID, MONOESTER WITH 2,2-DIMETHYL- 1,3-PROPANEDIOL	26424-32-8	8	
11830	ACRYLIC ACID, MONOESTER WITH ETHYLENEGLYCOL	00818-61-1	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.
11840	ACRYLIC ACID, MONOESTER WITH 1,6-HEXANEDIOL	10095-14-4	8	
11845	ACRYLIC ACID, MONOESTER WITH PENTAPROPYLENEGLYCOL	?	7	Needed: hydrolysis data.
11850	ACRYLIC ACID, MONOESTER WITH POLYETHYLENEGLYCOL	26403-58-7	8	
11855	ACRYLIC ACID, MONOESTER WITH POLYPROPYLENEGLYCOL	50858-51-0	8	
11860	ACRYLIC ACID, MONOESTER WITH PROPYLENEGLYCOL	-	9	
11875	ACRYLIC ACID, OCTADECYL ESTER	04813-57-4	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
11890	ACRYLIC ACID, n-OCTYL ESTER	02499-59-4	2	Group TDI: 0.1 mg/kg b.w. (as acrylic acid). Hydrolysis (complete) data allow to allocate the same TDI as acrylic acid.
11920	ACRYLIC ACID, PHENYLAMINOETHYL ESTER	05048-82-8	8	
11950	ACRYLIC ACID, PHENYL ESTER	00937-41-7	7	Needed: hydrolysis data.
11980	ACRYLIC ACID, PROPYL ESTER	00925-60-0	2	Group t-TDI: 0.1 mg/kg b.w. (as acrylic acid). See references for acrylic acid.
12010	ACRYLIC ACID, 2-SULPHOETHYL ESTER	40074-09-7	8	
12040	ACRYLIC ACID, SULPHOPROPYL ESTER	39121-78-3	8	
12055	ACRYLIC ACID, TRIESTER WITH GLYCEROL TRIS(2-HYDROXYPROPYL) ETHER	94160-26-6	8	
12058	ACRYLIC ACID, TRIESTER WITH PENTAERYTHRITOL	03524-68-3	8	
12062	ACRYLIC ACID, TRIESTER WITH 1,1,1-TRIMETHYLOLPROPANE TRIS(2-HYDROXYETHYL) ETHER	75577-70-7	8	
12070	ACRYLIC ACID, VINYL ESTER	02177-18-6	7	Needed: hydrolysis data.
12100	ACRYLONITRILE	00107-13-1	4A	(SCF, 13th Series, 1982).
12130	ADIPIC ACID	00124-04-9	1	ADI: 5 mg/kg b.w. (SCF, 25th Series, 1990).
12140	ADIPIC ACID,BIS(3,4-EPOXYCYCLOHEXYLMETHYL) ESTER	03130-19-6	6A	
12160	ADIPIC ACID, DIALLYL ESTER	02998-04-1	6A	

REF No	NAME	CAS No	SCF List	SCF Opinion
12190	ADIPIC ACID, DI-n-DECYL ESTER	00105-97-5	6B	Group R: 0.05 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.
12220	ADIPIC ACID, DIISODECYL ESTER	27178-16-1	6B	Group R: 0.05 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 migration exceeds 0.050 mg/kg, peroxisome proliferation studies too.
12235	ADIPIC ACID, DIMETHYL ESTER	00627-93-0	6B	Group R: 0.05 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.
12250	ADIPIC ACID, DI-n-OCTYL ESTER	00123-79-5	6B	Group R: 0.05 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.
12265	ADIPIC ACID, DIVINYL ESTER	04074-90-2	3	R = 0.5 % (w/w) as co-monomer. Hydrolysis data, inadequate. However, residue level very low. (TNO SDS 1995-01-06).
12280	ADIPIC ANHYDRIDE	02035-75-8	2	Group TDI: 5 mg/kg b.w. Included in group ADI for adipic acid.
12310	ALBUMIN	-	0	

REF No	NAME	CAS No	SCF List	SCF Opinion
12340	ALBUMIN, COAGULATED BY FORMALDEHYDE	-	3	Though albumin is a food 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	
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)	-	9	
12430	ALCOHOLS, ALIPHATIC, POLYHYDRIC (UP TO C18)	-	9	
12460	ALCOHOLS, CYCLOALIPHATIC, MONO- AND/OR POLYHYDRIC, SUBSTITUTED (UP TO C18)	-	9	
12490	ALDEHYDES (C4)	-	9	
12493	ALDEHYDES, ALIPHATIC, SATURATED (C1-C6)	-	9	
12520	ALKADIENES	-	9	
12548	ALKENES (UP TO C16)	-	9	
12550	n-ALKENES (UP TO C16)	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
12563	N-ALKYL(C1-C6) AMIDES OF UNSATURATED ALIPHATIC MONO- AND POLYCARBOXYLIC ACIDS (C3-C18)	-	9	
12568	ALKYL(C2-C18)DIETHOXY(METHYL)SILANE	-	9	
12571	ALKYL(C10-C16)-2,3-EPOXYPROPYL ETHERS	68081-84-5	9	
12576	ALKYLPHENOLS	-	9	
12580	p-ALKYL(C4-C9)PHENOLS	-	9	
12610	ALLYL ALCOHOL	00107-18-6	6A	
12625	ALLYL BIS(HYDROXYMETHYL)PHENYL ETHER	28655-63-2	9	
12640	ALLYL 2,3-EPOXYPROPYL ETHER	00106-92-3	6A	
12645	ALLYL ETHERS OF MONOHYDRIC ALCOHOLS (C1-C18)	-	9	
12648	ALLYL ETHERS OF POLYHYDRIC ALCOHOLS (C2-C12)	-	9	
12650	ALLYL ETHERS OF MONO-, DI-, OR TRIMETHYLOLPHENOL	-	9	
12653	2-(ALLYLOXY)BENZYL ALCOHOL	28655-62-1	6A	
12657	ALLYL PHENYL ETHER	01746-13-0	6A	
12658	ALLYL TRIS(HYDROXYMETHYL)PHENYL ETHER	64051-40-7	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
12660	AMIDES MADE FROM C18-UNSATURATED FATTY ACID DIMERS AND TRIETHYLENETETRAMINE	68955-48-6	8	
12663	AMINES, COCO ALKYL	61788-46-3	D	
12666	N-AMINOALKYL(C2-C8)-N',N'-DIALKYL(C1-C4)-ACRYLAMIDE	-	9	
12668	N-AMINOALKYL(C2-C8)-N',N'-DIALKYL(C1-C4)METHACRYLAMIDE	-	9	
12670	1-AMINO-3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXANE	02855-13-2	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.
12700	4-AMINOBENZOIC ACID	00150-13-0	7	Available: metabolic data in man, mutagenicity studies negative (IARC, 1978) and 28-day oral study. Needed: migration and full 28-day report.
12730	6-AMINOCAPROIC ACID	00060-32-2	8	
12760	omega-AMINOCARBOXYLIC ACIDS, ALIPHATIC, LINEAR (C6-C12)	-	9	
12761	12-AMINODODECANOIC ACID	00693-57-2	3	R: 0.05 mg/kg of food. Mutagenicity tests are negative and migration is low (less than 50 ppb). (RIVM/TNO doc. CS/PM/2162).
12763	2-AMINOETHANOL	00141-43-5	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
12769	N-(2-AMINOETHYL) 1,3-DIAMINOPROPANE	13531-52-7	8	
12771	N-(2-AMINOETHYL)ETHANOLAMINE	00111-41-1	W7	Available: Mutagenicity tests, migration data inadequate. Needed: Validation of analytical methods, *in vitro* chromosomal aberration study in mammalian cells. (RIVM Doc. CS/PM/2164).
12772	N-AMINOETHYLPIPERAZINE	00140-31-8	8	
12775	2-AMINO-2-METHYL-1-PROPANOL	00124-68-5	8	
12776	2-AMINO-2-METHYL-1-PROPANOL-p-TOLUENESULPHONATE	68298-05-5	8	
12779	4-AMINOPHENOL	00123-30-8	8	
12781	1-((3-AMINOPHENYL)AMINO)-3-PHENOXY-2-PROPANOL	38353-82-1	8	
12782	1-((4-(4(AMINOPHENYL)METHYL)PHENYL) AMINO)-3-PHENOXY-2-PROPANOL	68391-25-3	8	
12784	N-(3-AMINOPROPYL)-1,3-DIAMINOPROPANE	00056-18-8	8	
12788	11-AMINOUNDECANOIC ACID	02432-99-7	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.
12789	AMMONIA	07664-41-7	1	ADI: not specified. (SCF, 25th Series, 1991).
12790	p-tert-AMYLPHENOL	00080-46-6	8	
12800	ANILINE	00062-53-3	6A	

REF No	NAME	CAS No	SCF List	SCF Opinion
12810	ARACHIDIC ACID	00506-30-9	0	
12813	ARACHIDONIC ACID	07771-44-0	0	
12820	AZELAIC ACID	00123-99-9	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	AZELAIC ACID, BIS(2-HYDROXYETHYL) ESTER	29602-44-6	8	
12880	AZELAIC ACID DICHLORIDE	00123-98-8	7	Needed: hydrolysis and migration data. Pending these results necessity for further studies to be considered.
12910	AZELAIC ACID, DIMETHYL ESTER	01732-10-1	6B	Group R: 0.05 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.
12940	AZELAIC ACID, DIPHENYL ESTER	04080-88-0	8	
12970	AZELAIC ANHYDRIDE	04196-95-6	2	Group TDI: 3 mg/kg b.w. Included in the group TDI for azelaic acid.
12980	BEECHNUT OIL	08015-74-5	3	Food fat.
12983	BEECHNUT OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
12983/1	BEECHNUT OIL FATTY ACIDS	-	3/D	Constituents of food fats.
12983/3	BEECHNUT OIL FATTY ACIDS, DIMERS	-	8/D	

REF No	NAME	CAS No	SCF List	SCF Opinion
12990	BEHENIC ACID	00112-85-6	0	
13000	1,3-BENZENEDIMETHANAMINE	01477-55-0	3	R: 0.05 mg/kg. Mutagenicity tests are negative and migration is very low (less than 5 ppb).
13030	1,4-BENZENEDIMETHANAMINE	00539-48-0	8	
13090	BENZOIC ACID	00065-85-0	1	Group ADI: 5 mg/kg b.w. (JECFA 27 M., 1983).
13120	BENZOIC ACID, VINYL ESTER	00769-78-8	7	Needed: hydrolysis data.
13135	BENZOIN	00119-53-9	8	
13150	BENZYL ALCOHOL	00100-51-6	1	Group ADI: 5 mg/kg b.w. in the ADI for benzoic acid. (SCF, 11th Series, 1981).
13170	BICYCLOALKADIENES (C10-C16)	-	9	
13177	BICYCLO(2.2.1)HEPTA-2,5-DIENE	00121-46-0	6A	
13183	BICYCLO(2.2.1)HEPT-5-ENE-2,3-DICARBOXYLIC ACID, MONO-n-BUTYL ESTER	?	8	
13240	2,2-BIS(4-AMINOCYCLOHEXYL)PROPANE	03377-24-0	8	
13245	1,3-BIS(AMINOMETHYL)CYCLOHEXANE	02579-20-6	8	
13250	BIS(4-AMINOPHENYL)METHANE	00101-77-9	4A	Considered as genotoxic carcinogen. Available: 2 oral carcinogenicity studies in rats and mice, positive Ames test (CS/PM/2009).
13255	N,N'-BIS (3-AMINOPROPYL) ETHYLENEDIAMINE	10563-26-5	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
13270	4,4'-BIS(4-CHLOROPHENYLSULPHONYL) BIPHENYL	22287-56-5	W8	
13290	2,2-BIS(3,5-DIBROMO-4-HYDROXYPHENYL)PROPANE	00079-94-7	5	
13300	1,4-BIS(4',4''-DIHYDROXYTRIPHENYLMETHYL) BENZENE	38050-97-4	8	
13306	BIS((DIMETHYLAMINO)METHYL) PHENOL	71074-89-0	8	
13308	2,4-BIS ((DIMETHYLAMINO)METHYL)PHENOL	05424-54-4	8	
13310	2,6-BIS ((DIMETHYLAMINO)METHYL)PHENOL	15827-34-6	8	
13313	BIS(2,3-EPOXYPROPYL) BUTYL ETHER	02426-08-6	6A	
13316	BIS(4-ETHOXALYLAMINOPHENYL) METHANE	21825-16-1	8	
13319	BIS(4-HYDROXYCYCLOHEXYL)METHANE	20178-33-0	8	
13321	2,2-BIS(4-HYDROXYCYCLOHEXYL)PROPANE	00080-04-6	8	
13323	1,3-BIS(2-HYDROXYETHOXY)BENZENE	00102-40-9	5	Genotoxic. Available: migration data, 3 mutagenicity tests: Ames test negative, human lymphocyte and mouse lymphoma tests positive. (RIVM report, 29 August 1995, CS/PM2643).

REF No	NAME	CAS No	SCF List	SCF Opinion
13325	2,2-BIS(4-HYDROXY-5-ETHOXYPHENYL)PROPANE	?	8	
13328	BIS(2-HYDROXYETHYL) ETHER OF HYDROQUINONE	00104-38-1	8	
13330	BIS(2-HYDROXYETHYL)ETHER OF HYDROQUINONE AND ITS CONDENSATION PRODUCTS WITH PROPYLENE OXIDE	-	9	
13360	2,6-BIS(2-HYDROXY-5-METHYLBENZYL)-4-METHYLPHENOL	01620-68-4	7	Needed: 90-day oral study, migration data.
13390	1,4-BIS(HYDROXYMETHYL)CYCLO HEXANE	00105-08-8	3	A limited 36-day oral rat study showed no adverse effects at 50 mg/kg b.w./day. (Eastman Kodak report, April 1966).
13400	2,2-BIS(4-HYDROXYPHENYL)BUTANE	00077-40-7	8	
13405	3,3-BIS(4-HYDROXYPHENYL)BUTYRIC ACID	83346-35-4	8	
13420	1,1-BIS(4-HYDROXYPHENYL)CYCLOHEXANE	00843-55-0	8	
13450	3,3-BIS(4-HYDROXYPHENYL)-2-INDOLINONE	00125-13-3	8	
13455	BIS(2-HYDROXYPHENYL)METHANE	02467-02-9	8	
13457	BIS(4-HYDROXYPHENYL)METHANE	00620-92-8	8	
13460	BIS(2-HYDROXYPHENYL)METHANE BIS(2,3-EPOXYPROPYL) ETHER	54208-63-8	6A	
13465	4,4-BIS(HYDROXYPHENYL)PENTANOIC ACID	00126-00-1	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
13480	2,2-BIS(4-HYDROXYPHENYL)PROPANE	00080-05-7	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).
13485	2,2-BIS(4-HYDROXYPHENYL)PROPANE BIS(3-BUTOXY-2-(2,3-EPOXYPROPOXY)PROPYL) ETHER	71033-08-4	6A	
13510	2,2-BIS(4-HYDROXYPHENYL)PROPANE BIS(2,3-EPOXYPROPYL) ETHER (=Badge)	01675-54-3	7	See the individual opinion on the substance (CS/PM/2812 Rev.1) which is reported in the Internet website: http://europa.eu.int/en/comm/spc/spc.html
13515	2,2-BIS(4-HYDROXYPHENYL)PROPANE BIS(2-HYDROXYETHYL)ETHER	00901-44-0	8	
13520	2,2-BIS(4-HYDROXYPHENYL)PROPANE BIS(2-HYDROXYPROPYL)ETHER	00116-37-0	3	R: 0.05 mg/kg of food (only to be used in the manufacture of adhesives). Available: 3 mutagenicity studies, negative. The worst case calculation as component of an adhesive gives a maximum migration value less than 50 ppb. (RIVM doc. 1994-11-08 = CS/PM/2460).
13530	2,2-BIS(4-HYDROXYPHENYL)PROPANE, BIS(PHTHALIC ANHYDRIDE)	38103-06-9	3	R: 0.05 mg/kg of food. 1 month oral rat study, 3 mutagenicity tests and migration data. (RIVM doc. 90/678908/010).
13540	2,2-BIS(4-HYDROXYPHENYL)PROPANE, DISODIUM SALT	02444-90-8	D	
13570	1,3-BIS(METHOXYMETHYL)UREA	00141-07-1	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
13600	3,3-BIS(3-METHYL-4-HYDROXYPHENYL)-2-INDOLINONE	47465-97-4	2	TDI: 0.03 mg/kg b.w. A 90-day oral rat study. (Bayer Bericht Nr. 8086, January 3, 1979).
13620	BORIC ACID	10043-35-3	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 2-year oral mouse carcinogenicity study. *(Toxicol. Appl. Pharmacol.,* 1972, 23, 351-364, NTP report TR 324, 26 March 1986).
13630	BUTADIENE	00106-99-0	4A	Suspected of having carcinogenic potential (NTP report 83-071, NIH publ. n. 84-2544, 1983).
13660	1,2-BUTANEDIOL	00584-03-2	8	
13690	1,3-BUTANEDIOL	00107-88-0	1	ADI: 4 mg/kg b.w. (JECFA 23 M., 1979).
13750	2,3-BUTANEDIOL	00513-85-9	8	
13765	1,4-BUTANEDIOL BIS(3-AMINOPROPYL) ETHER	07300-34-7	8	
13810	1,4-BUTANEDIOL FORMAL	00505-65-7	7	Available: calculated (worst case) migration, three mutagenicity studies. Needed: an assay for chromosomal damage in rodent bone marrow, followed -if negative by a second *in vivo* assay in another tissue (e.g. in the liver). (RIVMM/ISS/TNO SDS, December 1996 = CS/PM/2853).

REF No	NAME	CAS No	SCF List	SCF Opinion
13840	1-BUTANOL	00071-36-3	3	See references for 'Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)' (PM/REF.N. 12375) in SCF list 3.
13842	2-BUTANOL	00078-92-2	8	
13845	tert-BUTANOL	00075-65-0	3	Residue in food less than 10 mg/kg. (EHC,65).
13870	1-BUTENE	00106-98-9	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	2-BUTENE	00107-01-7	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).
13903	cis-2-BUTENE	00590-18-1	8	
13906	trans-2-BUTENE	00624-64-6	8	
13915	2-BUTEN-1,4-DIOL	00110-64-5	8	
13930	2-BUTEN-1-OL	06117-91-5	8	
13932	3-BUTEN-2-OL	00598-32-3	6A-P	
13960	N-(BUTOXYMETHYL)ACRYLAMIDE	01852-16-0	6A	
13990	N-(BUTOXYMETHYL)METHACRYLAMIDE	05153-77-5	6A	
13996	N-BUTYLACRYLAMIDE	?	6A	
13998	N-tert-BUTYLACRYLAMIDE	00107-58-4	6A	
14001	tert-BUTYLBENZOIC ACID	01320-16-7	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
14002	p-tert-BUTYLBENZOIC ACID	00098-73-7	7	Available: some data at RIVM. Needed: migration and mutagenicity studies.
14005	4-tert-BUTYLCATECHOL	00098-29-3	8	
14008	4-tert-BUTYLCYCLOHEXANOL	00098-52-2	8	
14010	4-sec-BUTYL-2,6-DI-tert-BUTYLPHENOL	17540-75-9	8	
14013	2-BUTYL-2-ETHYL-1,3-PROPANEDIOL	00115-84-4	8	
14016	2-sec-BUTYLPHENOL	00089-72-5	8	
14018	4-sec-BUTYLPHENOL	00099-71-8	8	
14035	4-tert-BUTYLSTYRENE	01746-23-2	6A	
14050	BUTYL VINYL ETHER	00111-34-2	7	Needed: hydrolysis data.
14080	tert-BUTYL VINYL ETHER	00926-02-3	7	Needed: provided hydrolysis can be demonstrated, data on tert-butanol are requested.
14095	2-BUTYNE	00503-17-3	8	
14110	BUTYRALDEHYDE	00123-72-8	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	BUTYRIC ACID	00107-92-6	0	
14170	BUTYRIC ANHYDRIDE	00106-31-0	3	Hydrolyses to corresponding acid.
14185	CANDLENUT OIL	08015-80-3	8	
14188	CANDLENUT OIL FATTY ACIDS AND THEIR DIMERS	-	D	
14188/1	CANDLENUT OIL FATTY ACIDS	-	8/D	
14188/3	CANDLENUT OIL FATTY ACIDS, DIMERS	-	8/D	

REF No	NAME	CAS No	SCF List	SCF Opinion
14200	CAPROLACTAM	00105-60-2	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).
14230	CAPROLACTAM, SODIUM SALT	02123-24-2	2	Group TDI: 0.25 mg/kg b.w. See references for caprolactam.
14260	CAPROLACTONE	00502-44-3	8	Data on migration are inadequate.
14290	CAPROLACTONE, SUBSTITUTED	-	9	
14320	CAPRYLIC ACID	00124-07-2	0	
14330	CARBAMIC ACID, BUTYL ESTER	00592-35-8	8	
14350	CARBON MONOXIDE	00630-08-0	3	Low migration.
14380	CARBONYL CHLORIDE	00075-44-5	4A	Residues of this gas in plastics will be very small. It is readily hydrolysed to CO_2 and HCl. Has a strong odour. Migration into food would therefore be self-limiting.
14411	CASTOR OIL	08001-79-4	3	
14440	CASTOR OIL, DEHYDRATED	64147-40-6	3	Similar to food fats.
14445	CASTOR OIL FATTY ACIDS	-	3/D	Constituents of food fats.
14450	CASTOR OIL FATTY ACIDS, DEHYDRATED, AND THEIR DIMERS	-	D	
14450/1	CASTOR OIL FATTY ACIDS, DEHYDRATED.	-	3	Identical with or similar to constituents of food fats.
14450/3	CASTOR OIL FATTY ACIDS, DEHYDRATED, DIMERS	-	8	
14451	CASTOR OIL FATTY ACIDS, DIMERS	-	8/D	

REF No	NAME	CAS No	SCF List	SCF Opinion
14453	CASTOR OIL FATTY ACIDS, HYDROGENATED	61790-39-4	3	Identical with or similar to constituents of food fats.
14453/1	CASTOR OIL FATTY ACIDS, PARTIALLY HYDROGENATED	-	D	
14470	CASTOR OIL, HYDROGENATED	08001-78-3	3	Similar to food fats.
14500	CELLULOSE	09004-34-6	0	
14505	CELLULOSE ACETATE	09004-35-7	3	Inert material, modified natural cellulose.
14508	CELLULOSE ACETATE BUTYRATE	09004-36-8	3	Inert material, modified natural cellulose.
14512	CELLULOSE ACETATE PROPIONATE	09004-39-1	3	Inert material, modified natural cellulose.
14515	CELLULOSE PROPIONATE	09004-48-2	8	
14520	CHINAWOOD OIL	08001-20-5	8	
14523	CHINAWOOD OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
14523/1	CHINAWOOD OIL FATTY ACIDS	-	8/D	
14523/3	CHINAWOOD OIL FATTY ACIDS, DIMERS	-	8/D	
14530	CHLORINE	07782-50-5	3	Residues of this gas in plastics will be very small. Migration into food would be self-limiting because of odour.
14545	CHLOROBUTADIENE	-	6A	
14560	2-CHLORO-1.3-BUTADIENE	00126-99-8	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.
14585	CHLOROETHYL VINYL ETHER	00110-75-8	6A	
14590	CHLOROHYDROQUINONE	00615-67-8	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
14620	CHLOROHYDROQUINONE DIACETATE	57981-99-4	8	
14650	CHLOROTRIFLUOROETHYLENE	00079-38-9	3	R = 0.008 mg/dm². Migration data. Three mutagenicity studies, negative. Very volatile. (RIVM SDS, May 1996 = CS/PM/2795).
14670	CITRACONIC ACID	00498-23-7	8	
14680	CITRIC ACID	00077-92-9	1	Group ADI: not specified for citric acid and its salts. (SCF, 25th Series, 1990).
14685	COCONUT OIL	08001-31-8	3	Food fat.
14688	COPAL	09000-14-0	9	
14690	COPAL, ESTERS WITH ALCOHOLS, POLYHYDRIC, C3-C6	-	9	
14693	CORN OIL	08001-30-7	3	Food fat.
14695	CORN OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
14695/1	CORN OIL FATTY ACIDS	-	3/D	Constituents of food fats.
14695/3	CORN OIL FATTY ACIDS, DIMERS	-	8-/	
14698	COTTONSEED OIL	8001-29-4	3	Food fat.
14700	COTTONSEED OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
14700/1	COTTONSEED OIL FATTY ACIDS	-	3/D	Constituents of food fats.
14700/3	COTTONSEED OIL FATTY ACIDS, DIMERS	-	8/D	

REF No	NAME	CAS No	SCF List	SCF Opinion
14705	COUMARONE	00271-89-6	6A	
14710	m-CRESOL	00108-39-4	3	28-day oral rat study showed no adverse effects at 25 mg/kg b.w./day. (Shell Report, April 1978).
14740	o-CRESOL	00095-48-7	3	28-day oral rat study showed no adverse effects at 12 mg/kg b.w./day. (Shell Report, April 1978).
14770	p-CRESOL	00106-44-5	3	28-day oral rat study showed no adverse effect at 25 mg/kg b.w./day. (Shell Report, April 1978).
14800	CROTONIC ACID	03724-65-0	7	Available: gene mutation in mammalian cells, *in vivo* micronucleus test (both negative). Needed: remaining data according to SCF guidelines.
14815	CROTONIC ACID, ALLYL ESTER	20474-93-5	6A	
14830	CROTONIC ACID, ESTERS WITH ALCOHOLS, MONO- AND POLYHYDRIC	-	9	
14833	CROTONIC ACID, METHYL ESTER	00623-43-8	8	
14836	CROTONIC ACID, VINYL ESTER	14861-06-4	7	Needed: provided hydrolysis can be demonstrated, data on crotonic acid are requested.
14839	CROTONIC ANHYDRIDE	00623-68-7	6A	Needed: information on crotonic acid.
14841	4-CUMYLPHENOL	00599-64-4	3	R: 0.05 mg/kg of food. Available: migration data, 3 mutagenicity tests, negative. (TNO SDS 1995-01-16, RIVM SDS 1994-05-31).
14842	CYANOCYANAMIDE	00504-66-5	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
14845	N-CYANOETHYL-2,2,4-TRIMETHYLHEXAMETHYLENE DIAMINE	68426-02-8	8	
14847	N-CYANOETHYL-2,4,4-TRIMETHYLHEXAMETHYLENE DIAMINE	68426-03-9	8	
14850	CYANURIC ACID	00108-80-5	8	Existing data should be provided to SCF.
14855	CYCLOALKADIENES (C5-C8)	-	9	
14860	CYCLOALKENES	-	9	
14865	CYCLODODECANEDIOL	29996-45-0	9	
14877	1,4-CYCLOHEXANEDIISOCYANATE	02556-36-7	4A	
14880	1,4-CYCLOHEXANEDIMETHANOL	00105-08-8		Deleted because same as 13390.
14890	1,4-CYCLOHEXANEDIOL	00556-48-9	8	
14895	CYCLOHEXANETETRACARBOXYLIC ACID	-	9	
14900	CYCLOHEXANETETRACARBOXYLIC ACID, METHYL ESTERS	-	9	
14905	CYCLOHEXANOL	00108-93-0	8	
14910	CYCLOHEXANONE	00108-94-1	6A	Needed: adequate test for gene mutation and chromosomal aberration. (IARC (1989), 47, 151-169).
14915	CYCLOHEXENE DERIVATIVES	-	9	
14917	CYCLOHEXENE DERIVATIVES, EPOXIDISED	-	9	
14920	2-(CYCLOHEXYLAMINO)ETHANOL	02842-38-8	8	
14935	N-CYCLOHEXYL-1,3-DIAMINOPROPANE	03312-60-5	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
14950	CYCLOHEXYL ISOCYANATE	03173-53-3	4A	See references for 3,3'-dimethyl-4,4'-diisocyanatobiphenyl.
14980	N-CYCLOHEXYLMALEIMIDE	01631-25-0	6A	
15010	p-CYCLOHEXYLPHENOL	01131-60-8	8	
15020	CYCLOHEXYL VINYL ETHER	02182-55-0	7	Needed: provided hydrolysis can be demonstrated, data on cyclohexanol are requested.
15027	1,5-CYCLOOCTADIENE	00111-78-4	6A	Insufficient mutagenicity studies available.
15040	1,3-CYCLOPENTADIENE	00542-92-7	8	
15050	CYCLOPENTANETETRACARBOXYLIC ACID	03724-52-5	8	
15055	CYCLOPENTANETETRACARBOXYLIC ACID, METHYL ESTERS	-	9	
15060	CYCLOPENTENE	00142-29-0	8	
15065	DAMAR	09000-16-2	3	Natural wax. Purity to be specified.
15070	1,9-DECADIENE	01647-16-1	3	R: 0.05 mg/kg of food. 5 negative mutagenicity tests, 28-day oral study, bioaccumulation. (CS/PM/2221).
15090	1,10-DECANEDIOL	00112-47-0	8	
15095	n-DECANOIC ACID	00334-48-5	0	Food constituent.
15100	1-DECANOL	00112-30-1	3	See references for 'Alcohols aliphatic, monohydric, saturated, linear, primary (C4-C22)' (PM/REF.N 12375) in SCF list 3.

REF No	NAME	CAS No	SCF List	SCF Opinion
15130	1-DECENE	00872-05-9	3	R: 0.05 mg/kg of food. Available: Migration data and 3 mutagenicity tests negative. (RIVM/TNO/ISS SDS CS/PM/2744, January 1996).
15160	DECYL VINYL ETHER	00765-05-9	7	Needed: hydrolysis data.
15190	DIAMINES, ALIPHATIC, LINEAR (C2-C12)	-	9	
15220	2,4-DIAMINOBENZENESULPHONIC ACID	00088-63-1	W	
15250	1,4-DIAMINOBUTANE	00110-60-1	2	TDI: 0.6 mg/kg b.w. 28- and 90-day oral rat studies, mutagenicity tests. (RIVM report 88/6788097003, 3 May 1988).
15255	1,2-DIAMINOCYCLOHEXANE	00694-83-7	8	
15260	1,10-DIAMINODECANE	00646-25-3	8	
15265	2,4'-DIAMINODIPHENYLMETHANE	01208-52-2	8	
15270	1,12-DIAMINODODECANE	02783-17-7	8	
15275	2,4-DIAMINO-6-(2-(2-METHYL-1-IMIDAZOLYL)ETHYL)-1,3,5-TRIAZINE	38668-46-1	8	
15280	2,4-DIAMINO-6-METHYL-1,3,5-TRIAZINE	00542-02-9	8	Data inadequate.
15295	1,8-DIAMINOOCTANE	00373-44-4	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
15310	2,4-DIAMINO-6-PHENYL-1,3,5-TRIAZINE	00091-76-9	7	Available: 3-month oral rat study, oral carcinogenicity studies in mice and rats, negative (inadequate); Ames test, negative, however, chromosomal aberration assay and mouse lymphoma assay indicate genotoxic potential, bioaccumulation, migration data. Needed: *in vivo* micronucleus test. (RIVM SDS 1995-01-17).
15340	1,3-DIAMINOPROPANE	00109-76-2	8	
15355	MIXTURE OF (40 % W/W) 1,6-DIAMINO-2,2,4-TRIMETHYLHEXANE AND (60 % W/W)1,6-DIAMINO-2,4,4-TRIMETHYLHEXANE	25513-64-8	3	R = 5 mg/6 dm^2. Available: migration data, three mutagenicity studies; 90-day oral rat study; 2-generation reproduction study (rat); two teratogenicity studies (rabbits and rats). (RIVM/TNO SDS, November 1996 = CS/PM/2914).
15370	1,6-DIAMINO-2,2,4-TRIMETHYLHEXANE	03236-53-1	7	Same references as for 15355.
15400	1,6-DIAMINO-2,4,4-TRIMETHYLHEXANE	03236-54-2	7	Same references as for 15355.
15406	N,N-DIBUTYLACRYLAMIDE	?	6A	
15409	3,5-DIBUTYLPHENOL	?	8	
15412	DI-sec-BUTYLPHENOL	31291-60-8	8	
15414	2,4-DI-tert-BUTYLPHENOL	00096-76-4	8	
15416	2,5-DI-tert-BUTYLPHENOL	05875-45-6	8	
15418	2,6-DI-tert-BUTYLPHENOL	00128-39-2	8	
15420	3,5-DI-tert-BUTYLPHENOL	01138-52-9	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
15430	4,4'-DICARBOXYDIPHENOXYBUTANE	03749-77-7	8	
15460	4,4'-DICARBOXYDIPHENOXYETHANE	03753-05-7	8	
15490	4,4'-DICARBOXYDIPHENYL ETHER	02215-89-6	8	
15520	4,4'-DICARBOXYDIPHENYL SULPHIDE	04919-48-6	8	
15550	4,4'-DICARBOXYDIPHENYL SULPHONE	02449-35-6	8	
15565	1,4-DICHLOROBENZENE	00106-46-7	2	TDI: 0.2 mg/kg b.w. 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 limited evidence of carcinogenic potential in experimental animals. (NTP report n. 319, NIH publ, 87-2575, RIVM report 710401005, April 1991).
15580	2,3-DICHLORO-1,3-BUTADIENE	01653-19-6	6A	
15640	cis-1,2-DICHLOROETHYLENE	00156-59-2	8	
15670	trans-1,2-DICHLOROETHYLENE	00156-60-5	8	
15695	DICYANODIAMIDE	00461-58-5	2	TDI: 1 mg/kg b.w. 2-year oral rat and dog studies and Ames tests. (American Cyanamide report 1969).
15700	DICYCLOHEXYLMETHANE-4,4'-DIISOCYANATE	05124-30-1	4A	See references for 3,3'-dimethyl-4,4'-diisocyanatobiphenyl.
15730	DICYCLOPENTADIENE	00077-73-6	8	Available: ECETOC summary report of toxicity data (ECETOC N. 19, 1991). Needed: Data according to SCF guidelines, full reports of toxicological studies. (RIVM SDS CS/PM/2645, January 1995).

REF No	NAME	CAS No	SCF List	SCF Opinion
15735	DIETHANOLAMINE	00111-42-2	8	Data inadequate. R: contact with food containing nitrite should be avoided.
15755	N,N-DIETHYLACRYLAMIDE	?	6A	
15760	DIETHYLENEGLYCOL	00111-46-6	2	Group TDI: 0.5 mg/kg b.w. (SCF, 17th Series, 1986).
15770	DIETHYLENEGLYCOL BIS(3-AMINOPROPYL) ETHER	04246-51-9	8	
15790	DIETHYLENETRIAMINE	00111-40-0	3	R: 5 mg/kg. Available: 3-month oral rat study, several mutagenicity studies negative. (RIVM 90/678608/009).
15805	3,5-DIETHYLPHENOL	01197-34-8	8	
15820	4,4'-DIFLUOROBENZOPHENONE	00345-92-6	3	R: 0.05 mg/kg in food. Available: three mutagenicity tests negative, very low migration. (RIVM report, April 1992).
15850	4,4'-DIFLUORODIPHENYL SULPHONE	00383-29-9	W	
15855	DIGLYCEROL	59113-36-9	8	
15860	DIHYDROPHTHALIC ACID	22919-28-4	9	
15870	DIHYDROPHTHALIC ANHYDRIDE	04436-49-1	9	
15880	1,2-DIHYDROXYBENZENE	00120-80-9	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).

REF No	NAME	CAS No	SCF List	SCF Opinion
15910	1,3-DIHYDROXYBENZENE	00108-46-3	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).
15940	1,4-DIHYDROXYBENZENE	00123-31-9	2	TDI: 0.01 mg/kg b.w. (SCF, 17th Series, 1986).
15970	4,4'-DIHYDROXYBENZOPHENONE	00611-99-4	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, 2-hydroxy-4-n-octyloxybenzophenone) an 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).

REF No	NAME	CAS No	SCF List	SCF Opinion
16000	4,4'-DIHYDROXYBIPHENYL	00092-88-6	2	TDI: 0.1 mg/kg b.w. 90-day oral rat study and limited mutagenicity studies. (RIVM Doc/Tox 300/495, June 1984).
16015	1,4-DIHYDROXYCYCLODODECANE	41417-03-2	8	
16030	4,4'-DIHYDROXYDIPHENYL ETHER	01965-09-9	8	
16060	4,4'-DIHYDROXYDIPHENYL SULPHIDE	02664-63-3	8	
16090	4,4'-DIHYDROXYDIPHENYL SULPHONE	00080-09-1	7	Available: a summary data sheet of the technical dossier (dated 26 August 1991), inadequate migration data; incomplete report of the Ames assay; chromosomal aberration assay (evidence of direct clastogenicity) and gene mutation assay in cultured mammalian cells. Needed: Technical dossier; full report concerning migration tests performed including an analytical report for the determination of the specific migration of 4,4'-dihydroxydiphenyl sulphone into food simulants; in first instance, a full report of the Ames test; an *in vivo* assay for clastogenic effects (e.g. the bone marrow micronucleus test or the metaphase analysis). (RIVM/ISS/TNO SDS, December 1996 = CS/PM/2854).
16100	1,4-DIHYDROXY-2-METHYLCYCLOHEXANE	60793-35-3	8	
16107	DIHYDROXYTRICYCLODECANE	?	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
16115	DIISOBUTENE	25167-70-8	8	
16120	DIISOPROPANOLAMINE	00110-97-4	8	R: contact with food containing nitrite should be avoided.
16136	DIMETHOXY(METHYL)VINYLSILANE	16753-62-1	6A	
16138	N,N-DIMETHYLACRYLAMIDE	02680-03-7	6A	
16145	DIMETHYLAMINE	00124-40-3	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).
16150	DIMETHYLAMINOETHANOL	00108-01-0	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).
16160	2-((DIMETHYLAMINO)METHYL)PHENOL	00120-65-0	8	
16170	4-((DIMETHYLAMINO)METHYL)PHENOL	00103-87-7	8	
16180	N-(DIMETHYLAMINOPROPYL)METHACRYLAMIDE	05205-93-6	6A	
16190	N,N-DIMETHYLANILINE	00121-69-7	8	
16195	N,N-DIMETHYLBENZYLAMINE	00103-83-3	8	
16200	DIMETHYL CARBONATE	00616-38-6	W8	Data inadequate.
16225	N,N-DIMETHYL-1,3-DIAMINOPROPANE	00109-55-7	8	
16240	3,3'-DIMETHYL-4.4'-DIISOCYANATOBIPHENYL	00091-97-4	4A	(SCF, 17th Series, 1986).
16243	6,6-DIMETHYLHEPTANOIC ACID	15898-92-7	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
16246	DIMETHYLHEXAHYDROPHTHALIC ACID	?	9	
16249	DIMETHYLHEXAHYDRO TEREPHTHALIC ACID	?	8	
16252	2,5-DIMETHYL-2,5-HEXANEDIOL	00110-03-2	8	
16255	2,4-DIMETHYLHEXANOIC ACID	70621-82-8	8	
16257	3,4-DIMETHYLHEXANOIC ACID	153312-53-9	8	
16258	3,5-DIMETHYLHEXANOIC ACID	60308-87-4	8	
16260	4,5-DIMETHYLHEXANOIC ACID	60308-81-8	8	
16263	2,5-DIMETHYL-3-HEXYNE-2,5-DIOL	00142-30-3	8	
16270	2,3-DIMETHYLPHENOL	00526-75-0	8	
16300	2,4-DIMETHYLPHENOL	00105-67-9	8	
16330	2,5-DIMETHYLPHENOL	00095-87-4	8	
16363	3,4-DIMETHYLPHENOL	00095-65-8	8	
16364	3,5-DIMETHYLPHENOL	00108-68-9	8	
16370	N,N-DIMETHYL-N'-PHENYLUREA	00101-42-8	8	
16380	N,N-DIMETHYLPROPANEDIAMINE	30734-81-7	8	
16390	2,2-DIMETHYL-1,3- PROPANEDIOL	00126-30-7	8	
16393	2,2-DIMETHYLPROPIONIC ACID	00075-98-9	8	
16395	2,2-DIMETHYLPROPIONIC ACID, 2,2-DIMETHYLPROPYL ESTER	05340-26-1	8	
16398	2,2-DIMETHYLPROPIONIC ACID, 2,3-EPOXYPROPYL ESTER	52561-72-5	6A	
16400	2,2-DIMETHYLPROPIONIC ACID, VINYL ESTER	03377-92-2	7	Needed: provided hydrolysis can be demonstrated, data on 2,2-dimethylpropionic acid are requested.

REF No	NAME	CAS No	SCF List	SCF Opinion
16410	DIMETHYL SULPHOXIDE	00067-68-5	3	DMSO is used as a carrier of drugs to facilitate skin penetration.
16413	2,4-DINONYLPHENOL	00137-99-5	8	
16416	2,4-DIOCTYLPHENOL	01807-29-0	8	
16418	2,4-DI-tert-OCTYLPHENOL	05806-72-4	8	
16420	DIOXANE	00123-91-1	6A-D	
16450	1,3-DIOXOLANE	00646-06-0	3	R: 0.05 mg/kg of food. Available: migration and usage data showing exposure will be below 50 ppb, adequate 14-day, inadequate 28-day and 7-month oral toxicity studies, 3 inadequate reproduction studies, adequate teratogenicity study, several *in vitro* and *in vivo* mutagenicity studies. (CS/PM/2325, 1993-12-21).
16480	DIPENTAERYTHRITOL	00126-58-9	2	Group TDI: 1 mg/kg b.w. (with pentaerythritol). (SCF, 17th Series, 1986).
16510	DIPENTENE	00138-86-3	8	Data made available for assessment of chewing gum not available for this group.
16515	2,4-DI-tert-PENTYLPHENOL	00120-95-6	8	
16540	DIPHENYL CARBONATE	00102-09-0	8	
16570	DIPHENYLETHER-4,4'-DIISOCYANATE	04128-73-8	4A	See references for 3,3'-dimethyl-4,4'-diisocyanatobiphenyl.
16600	DIPHENYLMETHANE-2,4'-DIISOCYANATE	05873-54-1	4A	See references for 3,3'-dimethyl-4,4'-diisocyanatobiphenyl.

REF No	NAME	CAS No	SCF List	SCF Opinion
16630	DIPHENYLMETHANE-4,4'-DIISOCYANATE	00101-68-8	4A	See references for 3,3'-dimethyl-4,4'-diisocyanatobiphenyl.
16650	DIPHENYL SULPHONE	00127-63-9	7	See 51570.
16655	N,N'-DIPHENYLUREA	00102-07-8	8	
16660	DIPROPYLENEGLYCOL	00110-98-5 and 25265-71-8	2	t-TDI: 1.5 mg/kg b.w. (SCF, 6th Series, 1978).
16670	DIPROPYLENEGLYCOL MONOMETHYL ETHER	34590-94-8	8	Data inadequate.
16675	3,5-DIPROPYLPHENOL	85244-23-1	8	
16685	DITRIMETHYLOLPROPANE	23235-61-2	8	
16697	DODECANEDIOIC ACID	00693-23-2	8-D	Deleted. Dossier not related to a food contact material.
16699	1,12-DODECANEDIOL	05675-51-4	8	
16701	1-DODECANOL	00112-53-8	3	See references for 'Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)' (PM/REF.N. 12375) in SCF list 3.
16707	2-(DODECENYL)SUCCINIC ANHYDRIDE	25377-73-5	8	
16709	DODECYLPHENOL	27193-86-8	9	
16711	4-DODECYLPHENOL	00104-43-8	8	
16713	DRYING OILS	-	9	
16714	ELEMI	09000-75-3	9	
16715	ELEOSTEARIC ACID	13296-76-9	8	
16717	ENDOMETHYLENEMETHYLTETRA HYDROPHTHALIC ANHYDRIDE	25134-21-8	8	
16719	ENDOMETHYLENETETRAHYDRO PHTHALIC ACID	03813-52-3	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
16720	ENDOMETHYLENETETRAHYDRO PHTHALIC ANHYDRIDE	00826-62-0	8	
16750	EPICHLOROHYDRIN	00106-89-8	4A	Highly toxic. Induces forestomach tumours in rats after oral administration. (Report from Nat. Inst. of Publ. Health, Bilthoven 1982; International Programme on Chemical Safety, Series Environmental Health Criteria, WHO, 33, 1984).
16755	2,3-EPOXYPROPANOL	00556-52-5	6A	
16765	2,3-EPOXYPROPYL PHENYL ETHER	00122-60-1	6A	
16770	2,3-EPOXYPROPYL o-TOLYL ETHER	02210-79-9	6A	
16775	ERUCIC ACID	00112-86-7	3	Occurs in small amounts in some vegetable oils.
16780	ETHANOL	00064-17-5	1	Acceptable. (SCF, 11th Series, 1981).
16810	ETHER ALCOHOLS	-	9	
16840	ETHERS OF N-METHYLOLACRYLAMIDE	-	9	
16870	ETHERS OF N-METHYLOLMETHACRYLAMIDE	-	9	
16885	ETHERS OF 1,1,1-TRIMETHYLOLPROPANE	-	9	
16900	N-(ETHOXYMETHYL)ACRYLAMIDE	13036-41-4	6A	
16910	3-ETHOXY-1-PROPANOL	00111-35-3	8	
16920	2-ETHYLBUTANE-1,4-DIISOCYANATE	87057-87-2	4A	
16925	ETHYLCELLULOSE	09004-57-3	2	Group TDI: not specified based on Group ADI (= not specified) for certain modified cellulose. (JECFA 35 M., 1989).

REF No	NAME	CAS No	SCF List	SCF Opinion
16930	ETHYL CHLORIDE	00075-00-3	8	
16940	2-ETHYL-1,4-DIAMINOBUTANE	63009-16-5	8	
16950	ETHYLENE	00074-85-1	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	ETHYLENEDIAMINE	00107-15-3	2	TDI: 0.2 mg/kg b.w. Two 90-day oral rat studies. (ICI report, April 1975).
16990	ETHYLENEGLYCOL	00107-21-1	2	Group TDI: 0.5 mg/kg b.w. (with diethyleneglycol). See references for diethyleneglycol.
16993	ETHYLENEGLYCOL MONOBUTYL ETHER	00111-76-2	2	Group t-TDI: 0.05 mg/kg b.w. (with 15780 = 48050, 16993 = 53765, 16996 = 53820, 16999, 17002 = 53860, 30015, 30120, 30200, 48030). See references for 16996.
16996	ETHYLENEGLYCOL MONOETHYL ETHER	00110-80-5	2	Group t-TDI: 0.05 mg/kg b.w. (with 15780 = 48050, 16993 = 53765, 16996 = 53820, 16999, 17002 = 53860, 30015, 30120, 30200, 48030, 48050) pending evaluation of NTP rat and mouse studies. Several short-term oral rat and dog studies, reproduction and teratogenicity studies. Carcinogenicity studies in mice and rats not reported. Mutagenicity studies inadequate. (RIVM summary, March 1991 (= CS/PM/922) and RIVM SDS, July 1996 (= CS/PM/2916).

REF No	NAME	CAS No	SCF List	SCF Opinion
16999	ETHYLENEGLYCOL MONOHEXYL ETHER	00112-25-4	2	Group t-TDI: 0.05 mg/kg b.w. (with 15780 = 48050, 16993 = 53765, 16996 = 53820, 16999, 17002 = 53860, 30015, 30120, 30200, 48030).
17002	ETHYLENEGLYCOL MONOMETHYL ETHER	00109-86-4	2	Group t-TDI: 0.05 mg/kg b.w. (with 15780 = 48050, 16993 = 53765, 16996 = 53820, 16999, 17002 = 53860, 30015, 30120, 30200, 48030).
17005	ETHYLENEIMINE	00151-56-4	4A	Highly toxic by all exposure routes. Carcinogenic for mice orally. (IARC Monographs Vol. 9, p. 37, Lyon 1975).
17020	ETHYLENE OXIDE	00075-21-8	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	2-ETHYL-1,3-HEXANEDIOL	00094-96-2	8	
17040	2-ETHYLHEXANOIC ACID	00149-57-5	6B	Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg of food, peroxisome proliferation studies too.
17041	3-ETHYLHEXANOIC ACID	41065-91-2	8	
17050	2-ETHYL-1-HEXANOL	00104-76-7	1	ADI: 0.5 mg/kg b.w. (Techn. Rep. 837, 41 Rep., Geneva, February 1993).
17065	2-ETHYLHEXYL 2,3-EPOXYPROPYL ETHER	02461-15-6	6A	

REF No	NAME	CAS No	SCF List	SCF Opinion
17080	2-ETHYLHEXYL VINYL ETHER	00103-44-6	7	Needed: provided hydrolysis can be demonstrated, data on 2-ethylhexanol are requested.
17110	5-ETHYLIDENEBICYCLO(2.2.1)HEPT-2-ENE	16219-75-3	8	
17113	3-ETHYL-4-METHYLPENTANOIC ACID	60308-89-6	8	
17116	4-ETHYL-1-OCTYN-3-OL	05877-42-9	8	
17118	ETHYLPHENOL	25429-37-2	8	
17120	2-ETHYLPHENOL	00090-00-6	8	
17121	3-ETHYLPHENOL	00620-17-7	8	
17122	4-ETHYLPHENOL	00123-07-9	8	
17128	2-ETHYL-1,3-PROPANEDIOL	02612-29-5	8	
17140	ETHYL VINYL ETHER	00109-92-2	7	Needed: hydrolysis data.
17150	1-ETHYNYLCYCLOHEXANOL	00078-27-3	8	
17160	EUGENOL	00097-53-0	4A	Metabolise into epoxyeugenol having initiating activity. (RIVM summary data, 12 May 1992 (cs/pm/1586)).
17170	FATTY ACIDS, COCO	61788-47-4	3	Equal to or similar to food fats.
17175	FATTY ACIDS, COCO, HYDROGENATED	68938-15-8	3	Toxicologically acceptable.
17180	FATTY ACIDS, DEHYDRATED	-	9	
17190	FATTY ACID,C36, DIMER, HYDROGENATED	68783-41-5	D	
17200	FATTY ACIDS, SOYA	68308-53-2	3	Equal to or similar to food fats.
17215	FATTY ACIDS, SUNFLOWER OIL	-	3/D	Equal to or similar to food fats.
17230	FATTY ACIDS, TALL OIL	61790-12-3	3	
17233	FATTY ACIDS, TALL OIL, DIMERS	73138-53-1	8	
17236	FATTY ACIDS, TALLOW	61790-37-2	3	Equal to or similar to food fats.

REF No	NAME	CAS No	SCF List	SCF Opinion
17239	FATTY AMINES, COCO	-	9	
17245	FISH OIL	08016-13-5	3	Food fat.
17247	FISH OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
17247/1	FISH OIL FATTY ACIDS	-	3	Constituents of food fats.
17247/3	FISH OIL FATTY ACIDS, DIMERS	-	8/D	
17260	FORMALDEHYDE	00050-00-0	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	FORMIC ACID	00064-18-6	1	Group ADI: 3 mg/kg b.w. for formic acid and ethyl formate. (JECFA 17 M., 1973).
17290	FUMARIC ACID	00110-17-8	1	ADI: 6 mg/kg b.w. (SCF, 25th Series, 1990).
17305	FUMARIC ACID, BIS(2-ETHYLHEXYL) ESTER	00141-02-6	8	
17320	FUMARIC ACID, DIALLYL ESTER	02807-54-7	6A	
17350	FUMARIC ACID, DIBUTYL ESTER	00105-75-9	7	Needed: hydrolysis data.
17365	FUMARIC ACID, DIDODECYL ESTER	02402-58-6	7	Needed: hydrolysis data.
17380	FUMARIC ACID, DIETHYL ESTER	00623-91-6	7	Needed: hydrolysis data.
17385	FUMARIC ACID, DIHEPTYL ESTER	-	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
17390	FUMARIC ACID, DIHEXYL ESTER	19139-31-2	7	Needed: hydrolysis data.
17392	FUMARIC ACID, DIISOPROPYL ESTER	07283-70-7	W7	Available: hydrolysis data. Needed: estimation of fumaric acid and/or isopropanol in hydrolysis test in simulated intestinal fluid (CS/PM/2382).
17394	FUMARIC ACID, DIMETHYL ESTER	00624-49-7	7	Needed: hydrolysis data.
17398	FUMARIC ACID, DIOCTADECYL ESTER	07283-68-3	7	Needed: hydrolysis data.
17401	FUMARIC ACID, DIOCTYL ESTER	02997-85-5	7	Needed: hydrolysis data.
17404	FUMARIC ACID, DIPENTYL ESTER	20314—74-3	7	Needed: hydrolysis data.
17407	FUMARIC ACID, DIPROPYL ESTER	14595-35-8	7	Needed: hydrolysis data.
17410	FUMARIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C1-C18)	-	9	
17440	FUMARIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, UNSATURATED (C3-C18)	-	9	
17470	FUMARIC ACID, ESTERS WITH ALCOHOLS, POLYHYDRIC	-	9	
17473	FUMARIC ACID, MONOBUTYL ESTER	16062-88-7	7	Needed: hydrolysis data.
17476	FUMARIC ACID, MONOETHYL ESTER	02459-05-4	7	Needed: hydrolysis data.
17479	FUMARIC ACID, MONOHEPTYL ESTER	?	7	Needed: hydrolysis data.
17482	FUMARIC ACID, MONOHEXYL ESTER	45125-88-0	7	Needed: hydrolysis data.
17485	FUMARIC ACID MONOMETHYL ESTER	02756-87-8	7	Needed: hydrolysis data.
17488	FUMARIC ACID, MONOOCTYL ESTER	?	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
17491	FUMARIC ACID, MONOPENTYL ESTER	-	7	Needed: hydrolysis data.
17494	FUMARIC ACID, MONOPROPYL ESTER	-	7	Needed: hydrolysis data.
17500	FURFURAL	00098-01-1	7	Needed: 90-day oral study and mutagenicity studies.
17505	FURFUROL	00098-00-0	8	
17510	GADOLEIC ACID	29204-02-2	0	
17520	GILSONITE	12002-43-6	8	Available: identity and physico-chemical data only. Needed: Data according to SCF guidelines. (TNO SDS CS/PM/2729, January 96).
17530	GLUCOSE	00050-99-7	0	
17560	GLUCOSIDES OBTAINED FROM GLUCOSE AND 1,3-BUTANEDIOL	-	7	Needed: hydrolysis data.
17590	GLUCOSIDES OBTAINED FROM GLUCOSE AND 1,4-BUTANEDIOL	-	7	Needed: hydrolysis data.
17620	GLUCOSIDES OBTAINED FROM GLUCOSE AND DIETHYLENEGLYCOL	-	7	Needed: hydrolysys data.
17650	GLUCOSIDES OBTAINED FROM GLUCOSE AND 2,2-DIMETHYL-1,3-PROPANEDIOL	-	7	Needed: hydrolysis data.
17680	GLUCOSIDES OBTAINED FROM GLUCOSE AND ETHYLENEGLYCOL	-	7	Needed: hydrolysis data.
17710	GLUCOSIDES OBTAINED FROM GLUCOSE AND GLYCEROL	-	7	Needed: hydrolysis data.
17740	GLUCOSIDES OBTAINED FROM GLUCOSE AND 1,6-HEXANEDIOL	-	7	Needed: hydrolysis data.
17770	GLUCOSIDES OBTAINED FROM GLUCOSE AND 1,2,6-HEXANETRIOL	-	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
17800	GLUCOSIDES OBTAINED FROM GLUCOSE AND PENTAERYTHRITOL	-	7	Needed: hydrolysis data.
17830	GLUCOSIDES OBTAINED FROM GLUCOSE AND POLYETHYLENEGLYCOL (MOLECULAR WEIGHT GREATER THAN 200)	-	7	Needed: hydrolysis data.
17860	GLUCOSIDES OBTAINED FROM GLUCOSE AND POLYPROPYLENEGLYCOL (MOLECULAR WEIGHT GREATER THAN 400)	-	7	Needed: hydrolysis data.
17890	GLUCOSIDES OBTAINED FROM GLUCOSE AND PROPANEDIOL	-	7	Needed: hydrolysis data.
17920	GLUCOSIDES OBTAINED FROM GLUCOSE AND SORBITOL	-	7	Needed: hydrolysis data.
17950	GLUCOSIDES OBTAINED FROM GLUCOSE AND SUCROSE	-	7	Needed: hydrolysis data.
17980	GLUCOSIDES OBTAINED FROM GLUCOSE AND 1,1,1-TRIMETHYLOLPROPANE	-	7	Needed: hydrolysis data.
18010	GLUTARIC ACID	00110-94-1	0	
18040	GLUTARIC ACID, DIISODECYL ESTER	29733-18-4	8	
18055	GLUTARIC ACID, DIMETHYL ESTER	01119-40-0	7	Needed: hydrolysis data.
18070	GLUTARIC ANHYDRIDE	00108-55-4	3	Hydrolises to corresponding acid.

REF No	NAME	CAS No	SCF List	SCF Opinion
18100	GLYCEROL	00056-81-5	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	GLYCEROL MONOSTEARATE	31566-31-1	1	ADI: not specified. (JECFA 17 M., 1973).
18120	GLYOXAL	00107-22-2	6A	
18124	HEMPSEED OIL	08016-24-8	3	Food fat.
18126	HEMPSEED OIL FATTY ACID, AND THEIR DIMERS	-	D	
18126/1	HEMPSEED OIL FATTY ACIDS	-	3/D	Constituents of food fats.
18126/3	HEMPSEED OIL FATTY ACIDS, DIMERS	-	8/D	
18130	1,1-HEPTADECANEDICARBOXYLIC ACID	04371-64-6	8	
18135	2-HEPTADECYLIMIDAZOLE	23328-87-2	8	
18140	1,7-HEPTANEDIOL	00629-30-1	8	
18150	1-HEPTANOL	00111-70-6	3	See references for 'Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)' (PM/REF_N. 12375) in SCF list 3.
18160	HEPTENE	25339-56-4	8	
18190	1-HEPTENE	00592-76-7	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
18220	N-HEPTYLAMINOUNDECANOIC ACID	68564-88-5	3	R: 0.05 mg/kg of food. Available: migration into non-fat simulants, 5 negative mutagenicity studies, 90-day oral rat study (CS/PM/2376). Remark: since high migration into fat has been demonstrated, the WG recommends that the Commission take the necessary measures so that the restriction proposed is not exceeded.
18250	HEXACHLOROENDOMETHYLENE TETRAHYDROPHTHALIC ACID	00115-28-6	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).
18280	HEXACHLOROENDOMETHYLENE TETRAHYDROPHTHALIC ANHYDRIDE	00115-27-5	4A	Hydrolyses easily to acid known for induction of lung cancer.
18310	1-HEXADECANOL	36653-82-4	3	See references for 'Alcohols, aliphatic, monohydric, saturated,linear, primary (C4-C22)' (PM/REF.N. 12375) in SCF list 3.
18320	1-HEXADECENE	00629-73-2	8	
18325	1,2-HEXADECYLENE OXIDE	07320-37-8	6A	
18330	HEXADECYLTRIMETHYLAMMONIUM BROMIDE	00057-09-0	2	TDI: 0.1 mg/kg b.w. 400-day oral rat study. (RIVM report, September 1978).
18340	HEXADECYL VINYL ETHER	00822-28-6	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
18370	1,4-HEXADIENE	00592-45-0	6A	Evaluated as monomer. Available: migration data, 14 days rat inhalation study, Ames test, micronucleus tests in mice and rats after inhalation. Needed: remaining mutagenicity tests according to SCF guidelines. (RIVM 1994-09-06, CSPM/2421).
18400	1,5-HEXADIENE	00592-42-7	7	Available: 4-week rat study by inhalation and mutagenicity tests. Needed: migration data and gene mutation in mammalian cells *in vitro*. If migration exceeds 0.05 mg/kg of food, additional study according to SCF guidelines should be supplied.
18430	HEXAFLUOROPROPYLENE	00116-15-4	4A	Mutagenicity studies *in vitro* and *in vivo*, suspected of genotoxicity.
18433	HEXAHYDROISOPHTHALIC ACID	03971-31-1	8	
18436	HEXAHYDROPHTHALIC ACID	01687-30-5	8	
18438	cis-1,2-HEXAHYDROPHTHALIC ACID	13149-00-3	8	
18439	trans-1,2-HEXAHYDROPHTHALIC ACID	14166-21-3	8	
18441	HEXAHYDROPHTHALIC ANHYDRIDE	00085-42-7	8	
18446	HEXAHYDROTEREPHTHALIC ACID, DIMETHYL ESTER	00094-60-0	8	
18449	N,N,N',N',N'',N''-HEXAKIS(METHOXYMETHYL)-2,4,6-TRIAMINO-1,3,5-TRIAZINE	03089-11-0	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
18460	HEXAMETHYLENEDIAMINE	00124-09-4	2	TDI: 0.04 mg/kg b.w. A 28-day oral rat study. (RIV report n. 48/80 March 1981).
18490	HEXAMETHYLENEDIAMINE ADIPATE	15511-81-6	8	
18520	HEXAMETHYLENEDIAMINE AZELATE	38775-37-0	7	Needed: hydrolysis data.
18550	HEXAMETHYLENEDIAMINE DODECANEDICARBOXYLATE	-	8	
18580	HEXAMETHYLENEDIAMINE HEPTADECANEDICARBOXYLATE	-	8	
18610	HEXAMETHYLENEDIAMINE SEBACATE	06422-99-7	8	
18640	HEXAMETHYLENE DIISOCYANATE	00822-06-0	4A	See references for 3,3'-dimethyl-4,4'-diisocyanatobiphenyl (PM/REF.N. 16240).
18670	HEXAMETHYLENETETRAMINE	00100-97-0	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.).
18695	1,2-HEXANEDIOL	06920-22-5	8	
18730	2,5-HEXANEDIOL	02935-44-6	8	
18760	1,2,6-HEXANETRIOL	00106-69-4	8	
18770	n-HEXANOIC ACID	00142-62-1	0	
18780	1-HEXANOL	00111-27-3	3	See references for 'Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)' (PM/REF.N.12375) in SCF list 3.
18790	HEXENE	25264-93-1	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
18820	1-HEXENE	00592-41-6	3	R: 3 mg/kg of food. Available: Migration data, 5 mutagenicity studies negative, 28-day and inadequate 90-day oral rat studies, 90-day inhalation rat study, combined reproduction/development toxicity screening study in rats, bioaccumulation. (TNO (November 1995) and Elias (February 1996) SDS CS/PM/2742, and RIVM summary data, 14 February 1991).
18850	HEXYLENEGLYCOL	00107-41-5	7	Needed: purity, physicochemical state, migration data.
18865	3-HEXYN-2,5-DIOL	03031-66-1	8	
18870	N-omega-HYDROXYALKYL(C1-C6)AMIDES OF UNSATURATED ALIPHATIC MONO- AND POLYCARBOXYLIC ACIDS (C3-C18)	-	9	
18880	4-HYDROXYBENZOIC ACID	00099-96-7	2	TDI: 10 mg/kg b.w. The value of the TDI is based upon the evaluation of the esters. (JECFA 1973).
18885	4-HYDROXYBENZOPHENONE	01137-42-4	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).

REF No	NAME	CAS No	SCF List	SCF Opinion
18888	3-HYDROXYBUTANOIC ACID-3-HYDROXYPENTANOIC ACID, COPOLYMER	80181-31-3	3	R: 0.05 mg/kg (for crotonic acid). Available: Extensive data on production process and impurities; on copolymer, 28-day and 90-day oral rat studies, and two mutagenicity studies, negative; on the impurity crotonic acid, two mutagenicity tests, negative. (CS/PM/1510 of 25 March 1992; CS/PM/2317 and 2538 of 10 February 1995). Toxicologically acceptable provided the following specifications are met: STRUCTURAL FORMULA CH3 CH3 O CH2 O (-0-CH-CH2-C-)m-(O-CH-CH2-C-)n n/(m + n) greater than 0 and less or equal to 0.25 DESCRIPTION These copolymers are produced by the controlled fermentation of *Alcaligenes eutrophus* using mixtures of glucose and propanoic acid as carbon sources. The organism used has not been genetically engineered and has been derived from a single wild-type organism *Alcaligenes eutrophus* strain H16 NCIMB 10442.

REF No	NAME	CAS No	SCF List	SCF Opinion
				Master stocks of the organism are stored as freeze-dried ampoules. A submaster/working stock is prepared from the master stock and stored in liquid nitrogen and used to prepare inocula for the fermenter. Fermenter samples will be examined daily both microscopically and for any changes in colonial morphology on a variety of agars at different temperatures. The copolymers are isolated from heat treated bacteria by controlled digestion of the other cellular components, washing and drying. After isolation these copolymers are in the form of a white to off-white powder. These copolymers are normally offered as formulated, melt formed granules containing additives such as nucleating agents, plasticisers, fillers, stabilisers and pigments which all conform to the general and individual specifications. These copolymers are soluble in chlorinated hydrocarbons such as chloroform or dichloromethane but practically insoluble in ethanol, aliphatic alkanes and water. MOLECULAR WEIGHT This copolymer must have a weight average molecular weight which is not less than 150,000 Daltons as measured by gel permeation chromatography.

REF No	NAME	CAS No	SCF List	SCF Opinion
				PURITY The migration of crotonic acid should not exceed 0.05 mg/kg food. Prior to granulation the raw material copolymer powder must contain: — not less than 98 % poly(3-D-hydroxybutanoate-co-3-D-hydroxypentanoate) analysed after hydrolysis as a mixture of 3-D-hydroxy butanoic and 3-D-hydroxypentanoic acids; — nitrogen content must be less than or equal to 2500 micrograms per gram; — zinc content must be less than or equal to 100 mg/Kg of plastic — copper content must be less than or equal to 5 mg/kg of plastic — lead content must be less than or equal to 2 mg/kg of plastic — arsenic content must be less than or equal to 1 mg/kg of plastic — chromium content must be less than or equal to 1 mg/kg of plastic.

REF No	NAME	CAS No	SCF List	SCF Opinion
18890	N-(2-HYDROXYETHYL)DIETHYLENETRIAMINE	01965-29-3	8	
18895	N-HYDROXYMETHYL-N-ALKYL(C1-C6)AMIDES OF UNSATURATED ALIPHATIC MONO- AND POLYCARBOXYLIC ACIDS(C3-C18)	-	9	
18900	12-HYDROXYSTEARIC ACID	00106-14-9	0	
18905	4-HYDROXYSTYRENE	02628-17-3	6A	
18910	IMIDAZOLE	00288-32-4	8	
18940	INDENE	00095-13-6	8	
18970	ISOBUTANOL	00078-83-1	8	Residue less than 1 mg/kg in food. No mutagenicity and oral data. (Directive 88/344/EEC).
19000	ISOBUTENE	00115-11-7	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).
19030	N-(ISOBUTOXYMETHYL)ACRYLAMIDE	16669-59-3	6A	
19045	N-(ISOBUTOXYMETHYL)METHACRYLAMIDE	04548-27-0	6A	
19090	ISOBUTYRALDEHYDE	00078-84-2	8	
19105	ISOBUTYRIC ACID	00079-31-2	8	
19110	1-ISOCYANATO-3-ISOCYANATOMETHYL-3,5,5-TRIMETHYLCYCLOHEXANE	04098-71-9	4A	

REF No	NAME	CAS No	SCF List	SCF Opinion
19120	ISODECANOL	25339-17-7	8	
19125	ISOMETHYLTETRAHYDROPHTHALIC ACID	101051-37-0	9	Needed: chemical and structural formula.
19130	ISONONANOIC ACID	26896-18-4	8	
19135	ISOOCTANOIC ACID	25103-52-0	8	
19140	ISOOCTANOL	26952-21-6	8	
19150	ISOPHTHALIC ACID	00121-91-5	3	R: 5 mg/kg of food. Available: Migration data, 7 mutagenicity studies regarded as non-genotoxic, 28-day inhalation and 90-day oral rat studies, inhalation rat teratology study limited absorption and excretion data (RIVM/TNO SDS CS/PM/2757, January 1996).
19180	ISOPHTHALIC ACID DICHLORIDE	00099-63-8	7	Needed: original data on migration and genotoxicity.
19210	ISOPHTHALIC ACID, DIMETHYL ESTER	01459-93-4	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).
19240	ISOPHTHALIC ACID, DIPHENYL ESTER	00744-45-6	8	
19245	N-(ISOPROPOXYMETHYL)ACRYLAMIDE	07534-42-1	6A	
19260	2-ISOPROPYLPHENOL	00088-69-7	8	
19262	4-ISOPROPYLPHENOL	00099-89-8	8	
19265	ISOSTEARIC ACID	30399-84-9	8	
19270	ITACONIC ACID	00097-65-4	0	Normal human metabolite.
19300	ITACONIC ACID, DIBUTYL ESTER	02155-60-4	7	Needed: hydrolysis data.
19315	ITACONIC ACID, DIMETHYL ESTER	00617-52-7	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
19330	ITACONIC ACID, 2,3-EPOXYPROPYL DIESTER	07748-43-8	6A	
19360	ITACONIC ACID, 2,3-EPOXYPROPYL MONOESTER	-	6A	
19390	ITACONIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED(C1-C18)	-	9	
19400	ITACONIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, UNSATURATED (C3-C12)	-	9	
19420	ITACONIC ACID, ESTERS WITH ALCOHOLS, POLYHYDRIC	-	9	
19435	ITACONIC ACID, METHYL ESTERS	-	9	
19450	LACTAMS OF omega-AMINOCARBOXYLIC ACIDS, ALIPHATIC, LINEAR (C7-C12)	-	9	
19460	LACTIC ACID	00050-21-5	1	ADI: not specified. (SCF, 25th Series, 1990).
19470	LAURIC ACID	00143-07-7	0	
19480	LAURIC ACID, VINYL ESTER	02146-71-6	3	Complete hydrolysis in simulated intestinal fluid to lauric acid and acetaldehyde (CS/PM/2334). Positive in gene mutation and chromosome aberration studies *in vitro*, most likely due to formation of acetaldehyde (CS/PM/2385).
19495	LAUROLEIC ACID	22032-47-9	8	
19500	LICANIC ACID	00623-99-4	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
19510	LIGNOCELLULOSE	11132-73-3	3	Natural, non-digestible fibre.
19515	LIGNOCERIC ACID	00557-19-5	0	
19518	LINOLEIC ACID	00060-33-3	0	
19521	LINOLEIC ACID, DIMER	06144-28-1	8	
19523	LINOLEIC ACID, TRIMER	-	8	
19526	LINOLENIC ACID	28290-79-1	0	
19529	LINOLENIC ACID, DIMER	-	8	
19532	LINSEED OIL	08001-26-1	3	Food fat.
19534	LINSEED OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
19534/1	LINSEED OIL FATTY ACIDS	-	3/D	Constituents of food fats.
19534/3	LINSEED OIL FATTY ACIDS, DIMERS	-	8/D	
19540	MALEIC ACID	00110-16-7	2	Group TDI: 0.5 mg/kg b.w. as maleic acid. (SCF, 17th Series, 1986).
19570	MALEIC ACID, DIALLYL ESTER	00999-21-3	6A	
19600	MALEIC ACID, DIBUTYL ESTER	00105-76-0	7	Available: Hydrolysis data indicates hydrolysis is incomplete. Needed: data according to SCF guidelines.
19630	MALEIC ACID, DIESTER WITH 1,2-PROPANEDIOL	71550-61-3	7	Needed: hydrolysis data.
19660	MALEIC ACID, DIETHYL ESTER	00141-05-9	7	Needed: hydrolysis data.
19670	MALEIC ACID, DIHEPTYL ESTER	31983-42-3	7	Needed: hydrolysis data.
19680	MALEIC ACID, DIHEXYL ESTER	16064-83-8	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
19690	MALEIC ACID, DIISOBUTYL ESTER	14234-82-3	7	Needed: hydrolysis data.
19720	MALEIC ACID, DIISOOCTYL ESTER	01330-76-3	7	Needed: hydrolysis data.
19750	MALEIC ACID, DIMETHYL ESTER	00624-48-6	7	Needed: hydrolysis data.
19780	MALEIC ACID, DIOCTYL ESTER	02915-53-9	7	Needed: hydrolysis data.
19790	MALEIC ACID, DIPENTYL ESTER	10099-71-5	7	Needed: hydrolysis data.
19795	MALEIC ACID, DIPROPYL ESTER	02432-63-5	7	Needed: hydrolysis data.
19800	MALEIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, UNSATURATED (C3-C18)	-	9	
19810	MALEIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, SATURATED (C1-C18)	-	9	
19840	MALEIC ACID, ESTERS WITH ALCOHOLS, POLYHYDRIC	-	9	
19870	MALEIC ACID, ESTER WITH 1,3-BUTANEDIOL	-	7	Needed: hydrolysis data.
19900	MALEIC ACID, MONOALLYL ESTER	02424-58-0	6A	
19915	MALEIC ACID, MONOBUTYL ESTER	00925-21-3	7	Needed: hydrolysis data.
19930	MALEIC ACID, MONOESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, UNSATURATED(C3-C18)	-	9	
19933	MALEIC ACID, MONOETHYL ESTER	03990-03-2	7	Needed: hydrolysis data.
19936	MALEIC ACID, MONO(2-ETHYLHEXYL) ESTER	07423-42-9	8	
19939	MALEIC ACID, MONOHEPTYL ESTER	15420-83-4	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
19942	MALEIC ACID, MONOHEXYL ESTER	15420-81-2	7	Needed: hydrolysis data.
19943	MALEIC ACID, MONOISOPROPYL ESTER	00924-83-4	7	Needed: hydrolysis data.
19945	MALEIC ACID, MONOMETHYL ESTER	03052-50-4	7	Needed: hydrolysis data.
19949	MALEIC ACID, MONOOCTYL ESTER	02370-71-0	7	Needed: hydrolysis data.
19952	MALEIC ACID, MONOPENTYL ESTER	15420-79-8	7	Needed: hydrolysis data.
19955	MALEIC ACID, MONOPROPYL ESTER	00925-03-1	7	Needed: hydrolysis data.
19960	MALEIC ANHYDRIDE	00108-31-6	2	Group TDI: 0.5 mg/kg b.w. as maleic acid. (SCF, 6th Series, 1978).
19965	MALIC ACID	06915-15-7	1	ADI: not specified. (SCF, 25th Series, 1990).
19968	MALONIC ACID	00141-82-2	3	Occurs in plants.
19972	MANNITOL	00087-78-5	1	ADI: acceptable. (SCF, 16th Series, 1985).
19977	2-MERCAPTOETHANOL	00060-24-2	8	
20005	METHACRYLAMIDOPROPYLTRI METHYLAMMONIUM CHLORIDE	51410-72-1	6A	
20020	METHACRYLIC ACID	00079-41-4	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).
20060	METHACRYLIC ACID, 2-AMINOETHYL ESTER	07659-36-1	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
20068	METHACRYLIC ACID, ARACHIDYL ESTER	45294-18-6	7	Needed: hydrolysis data.
20075	METHACRYLIC ACID, BEHENYL ESTER	16669-27-5	7	Needed: hydrolysis data.
20080	METHACRYLIC ACID, BENZYL ESTER	02495-37-6	2	Group TDI: 0.1 mg/kg b.w. (as methacrylic acid). Hydrolysis (complete) data allow the allocation of the same TDI as methacrylic acid.
20095	METHACRYLIC ACID, 4-tert-BUTYLCYCLOHEXYL ESTER	46729-07-1	8	
20110	METHACRYLIC ACID, BUTYL ESTER	00097-88-1	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.
20140	METHACRYLIC ACID, sec-BUTYL ESTER	02998-18-7	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.
20170	METHACRYLIC ACID, tert-BUTYL ESTER	00585-07-9	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.
20200	METHACRYLIC ACID, 2-CHLOROETHYL ESTER	01888-94-4	8	
20230	METHACRYLIC ACID, CYCLOHEXYLAMINOETHYL ESTER	-	8	
20290	METHACRYLIC ACID, CYCLOPENTYL ESTER	16868-14-7	8	
20320	METHACRYLIC ACID, DECYL ESTER	03179-47-3	7	Needed: hydrolysis data.
20335	METHACRYLIC ACID, N,N-DIALKYL(C1-C4)AMINOALKYL(C2-C8) ESTER	-	9	
20350	METHACRYLIC ACID, (DI-tert-BUTYLAMINO)ETHYL ESTER	-	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
20380	METHACRYLIC ACID, DIESTER WITH 1,3-BUTANEDIOL	01189-08-8	8	Available: hydrolysis study shows incomplete hydrolysis.
20410	METHACRYLIC ACID, DIESTER WITH 1,4-BUTANEDIOL	02082-81-7	8-P	
20425	METHACRYLIC ACID, DIESTER WITH DIETHYLENEGLYCOL	02358-84-1	8	
20430	METHACRYLIC ACID, DIESTER WITH 2,2-DIMETHYL-1,3-PROPANEDIOL	01985-51-9	8	
20440	METHACRYLIC ACID, DIESTER WITH ETHYLENEGLYCOL	00097-90-5	7	Available: migration data (inadequate), Ames test negative. (RIVM doc. 1994-10-25 = CS/PM/2461). Needed: migration data and 3 complete mutagenicity reports.
20455	METHACRYLIC ACID, DIESTER WITH 1,6-HEXANEDIOL	06606-59-3	8	
20470	METHACRYLIC ACID, DIESTER WITH POLYETHYLENEGLYCOL	25852-47-5	8	
20473	METHACRYLIC ACID, DIESTER WITH POLYPROPYLENEGLYCOL	?	9	
20480	METHACRYLIC ACID, DIESTER WITH 1,3-PROPANEDIOL	01188-09-6	8	
20490	METHACRYLIC ACID, DIESTER WITH TETRAETHYLENEGLYCOL	00109-17-1	8	
20500	METHACRYLIC ACID, 2-(DIETHYLAMINO)ETHYL ESTER	00105-16-8	8	
20560	METHACRYLIC ACID, DODECYL ESTER	00142-90-5	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
20590	METHACRYLIC ACID, 2.3-EPOXYPROPYL ESTER	00106-91-2	6A-P	Available: data on residues in coatings. (CS/PM/2470, November 1994).
20605	METHACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C1-C18)	-	9	
20620	METHACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED(C1-C21)	-	9	
20650	METHACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, UNSATURATED(C4-C18)	-	9	
20665	METHACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, POLYHYDRIC	-	9	
20680	METHACRYLIC ACID, ESTERS WITH ALCOHOLS, POLYHYDRIC (C2-C21)	-	9	
20710	METHACRYLIC ACID, ESTERS WITH ETHERALCOHOLS	-	9	
20740	METHACRYLIC ACID, ESTER WITH ETHOXYTRIETHYLENEGLYCOL	39670-09-2	8	Available: hydrolysis (incomplete) data.
20770	METHACRYLIC ACID, ESTERS WITH GLYCOLETHERS OBTAINED FROM MONO AND/OR DIGLYCOLS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC (C1-C18)	-	9	
20785	METHACRYLIC ACID, ESTER WITH METHOXYPOLYETHYLENEGLYCOL	26915-72-0	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
20800	METHACRYLIC ACID, ESTER WITH METHOXYTRIETHYLENEGLYCOL	24493-59-2	8	
20830	METHACRYLIC ACID, ESTERS WITH 1,2-PROPANEDIOL	-	8	
20860	METHACRYLIC ACID, ESTER WITH TRIMETHYLETHANOLAMMONIUM CHLORIDE	05039-78-1	8	
20875	METHACRYLIC ACID, 2-ETHOXYETHYL ESTER	02370-63-0	8	
20890	METHACRYLIC ACID, ETHYL ESTER	00097-63-2	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.
20920	METHACRYLIC ACID, 2-ETHYLHEXYL ESTER	00688-84-6	8	
20928	METHACRYLIC ACID, HEPTYL ESTER	05459-37-0	7	Needed: hydrolysis data.
20935	METHACRYLIC ACID, HEXADECYL ESTER	02495-27-4	7	Needed: hydrolysis data.
20940	METHACRYLIC ACID, HEXYL ESTER	00142-09-6	7	Needed: hydrolysis data.
20945	METHACRYLIC ACID, 2-HYDROXYISOPROPYL ESTER (= methacrylic acid, 2-hydroxy-1-methylethyl ester)	04664-49-7	7	Needed: hydrolysis data.
20950	METHACRYLIC ACID, 2-HYDROXYPROPYL ESTER	00923-26-2	8	Available: hydrolysis data. However, no significant hydrolysis has been measured.
20965	METHACRYLIC ACID, 3-HYDROXYPROPYL ESTER	02761-09-3	8	
20980	METHACRYLIC ACID, ISOBORNYL ESTER	07534-94-3	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
21010	METHACRYLIC ACID, ISOBUTYL ESTER	00097-86-9	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.
21040	METHACRYLIC ACID, ISODECYL ESTER	29964-84-9	8	
21070	METHACRYLIC ACID, ISOOCTYL ESTER	28675-80-1	8	
21100	METHACRYLIC ACID, ISOPROPYL ESTER	04655-34-9	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.
21115	METHACRYLIC ACID, METHALLYL ESTER	00816-74-0	6A	
21130	METHACRYLIC ACID, METHYL ESTER	00080-62-6	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.
21160	METHACRYLIC ACID, MONOESTER WITH 1,3-BUTANEDIOL	-	8	
21170	METHACRYLIC ACID, MONOESTER WITH 1,4-BUTANEDIOL	00997-46-6	8	
21180	METHACRYLIC ACID, MONOESTER WITH DIETHYLENEGLYCOL	02351-43-1	7	Needed: hydrolysis data.
21190	METHACRYLIC ACID, MONOESTER WITH ETHYLENEGLYCOL	00868-77-9	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.
21205	METHACRYLIC ACID, MONOESTER WITH POLYETHYLENEGLYCOL	25736-86-1	7	Needed: hydrolysis data.
21220	METHACRYLIC ACID, OCTADECYL ESTER	32360-05-7	8	Hydrolysis negligible (CS/PM/1689).
21250	METHACRYLIC ACID, n-OCTYL ESTER	02157-01-9	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
21280	METHACRYLIC ACID, PHENYL ESTER	02177-70-0	2	Group TDI: 0.1 mg/kg b.w. (as methacrylic acid). Hydrolysis (complete) data allow the allocation of the same TDI as methacrylic acid.
21310	METHACRYLIC ACID, PHENYLETHYL ESTER	03683-12-3	8	
21340	METHACRYLIC ACID, PROPYL ESTER	02210-28-8	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.
21370	METHACRYLIC ACID, 2-SULPHOETHYL ESTER	10595-80-9	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
21400	METHACRYLIC ACID, SULPHOPROPYL ESTER	54276-35-6	7	Available: 3 mutagenicity tests negative and migration data (inadequate). Needed: a) detailed information concerning typical amounts of methacrylic acid, sulphopropyl ester used in the final food contact materials, b) a proper description of the samples investigated in the migration studies and in the determination of the residual content, including initial content of methacrylic acid, sulphopropyl ester in the samples; c) a properly described and validated analytical method for the determination of the specific migration of methacrylic acid, sulphopropyl ester in 3 % acetic acid, 15 % ethanol and olive oil following the 'Practical Guide N.1' or a properly described and validated analytical method for the determination of the residual content of methacrylic acid, sulphopropyl ester in the final product following 'Practical Guide N. 1' (RIVM SDS 1996-05-02 = CS/PM/2797).
21415	METHACRYLIC ACID, TETRADECYL ESTER	02549-53-3	7	Needed: hydrolysis data.
21430	METHACRYLIC ACID, VINYL ESTER	04245-37-8	7	Needed: hydrolysis data.
21460	METHACRYLIC ANHYDRIDE	00760-93-0	2	Group t-TDI: 0.1 mg/kg b.w. (as methacrylic acid). See references for methacrylic acid.
21490	METHACRYLONITRILE	00126-98-7	4A	The chemical structure is similar to acrylonitrile. Methacrylonitrile should be treated in the same way as acrylonitrile.

REF No	NAME	CAS No	SCF List	SCF Opinion
21505	METHALLYL ETHERS OF MONOHYDRIC ALCOHOLS (C1-C18)	-	9	
21510	METHALLYL ETHERS OF POLYHYDRIC ALCOHOLS (C2-C12)	-	9	
21550	METHANOL	00067-56-1	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).
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	N-(METHOXYMETHYL)ACRYLAMIDE	03644-11-9	6A	
21610	N-(METHOXYMETHYL)METHACRYL AMIDE	03644-12-0	6A	
21615	4-METHOXYPHENOL	00150-76-5	8	
21620	1-METHOXY-2-PROPANOL	00107-98-2	8	
21630	N-METHYLACRYLAMIDE	01187-59-3	6A	
21635	2-METHYLBICYCLO(4.3.0)NONA-3,8-DIENE	07413-02-7	8	
21640	2-METHYL-1,3-BUTADIENE	00078-79-5	6A	
21670	2-METHYL-1-BUTENE	00563-46-2	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
21700	2-METHYL-2-BUTENE	00513-35-9	8	
21730	3-METHYL-1-BUTENE	00563-45-1	4B	R = Only to be used in polypropylene at maximum residue level 0.001 mg/dm² of material. Available: Analytical data and migration by worst case calculation, 3 mutagenicity tests of which gene mutation in bacterial cells and in mammalian cells *in vitro* negative, chromosome aberration test in mammalian cells *in vitro* positive. (RIVM/TNO/ISS CS/PM/2745, January 1996).
21733	2-METHYL-3-BUTYN-2-OL	00115-19-5	8	4-week oral rat study. Data inadequate. (Bayer Rep. 12557, 22 March 1984).
21736	alpha-METHYL-epsilon-CAPROLACTONE	02549-61-3	8	
21739	beta-METHYL-epsilon-CAPROLACTONE	02549-60-2	8	
21742	delta-METHYL-epsilon-CAPROLACTONE	02549-58-8	8	
21745	epsilon-METHYL-epsilon-CAPROLACTONE	02549-59-9	8	
21748	gamma-METHYL-epsilon-CAPROLACTONE	02549-42-0	8	
21749	2-METHYLCYCLOHEXANONE	00583-60-8	8	
21751	METHYLCYCLOPENTADIENE	26519-91-5	8	
21754	2-METHYL-1,5-DIAMINOPENTANE	15520-10-2	8	
21757	METHYLENDOMETHYLENETETRA HYDROPHTHALIC ACID	?	8	
21760	5-METHYLENEBICYCLO(2,2,1)HEPT-2-ENE	00694-91-7	8	
21790	METHYLENEBISACRYLAMIDE	00110-26-9	6A	
21820	METHYLENEBISCAPROLACTAM	13093-19-1	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
21823	2-METHYLEPICHLOROHYDRIN	00598-09-4	4A	Chemical structure similar to epichlorohydrin, which is highly toxic and which induces forestomach tumours in rats after oral administration.
21826	METHYLETHOXYDIMETHYLAMINODI-CHLOROSILANE	?	8	Needed: structural formula
21827	METHYL ETHYL KETONE	00078-93-3	3	R: 5 mg/kg of food. Same references as 66655.
21829	alpha-METHYL-D-GLUCOSIDE	00097-30-3	8	
21832	3-METHYLHEPTANOIC ACID	?	8	
21833	4-METHYLHEPTANOIC ACID	03302-03-2	8	
21834	5-METHYLHEPTANOIC ACID	?	8	
21835	6-METHYLHEPTANOIC ACID	00929-10-2	8	
21837	4-METHYL-1,4-HEXADIENE	01116-90-1	6A	
21840	METHYLHEXAHYDROPHTHALIC ACID	82476-50-4	9	
21845	4-METHYLHEXAHYDROPHTHALIC ANHYDRIDE	19438-60-9	8	
21850	METHYLHYDROQUINONE	00095-71-6	8	
21880	METHYLHYDROQUINONE DIACETATE	00717-27-1	8	
21910	METHYL ISOPROPENYL KETONE	00814-78-8	8	
21925	N-METHYLMORPHOLINE	00109-02-4	5	
21940	N-METHYLOLACRYLAMIDE	00924-42-5	4A	Genotoxic carcinogen. (RIVM report, 4 March 1991).
21970	N-METHYLOLMETHACRYLAMIDE	00923-02-4	6A-P	
22000	2-METHYL-1,3-PENTADIENE	01118-58-7	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
22030	3-METHYL-1,4-PENTADIENE	01115-08-8	8	
22060	4-METHYL-1,3-PENTADIENE	00926-56-7	8	
22065	2-METHYLPENTANE-1,5-DIISOCYANATE	34813-62-2	4A	
22070	2-METHYL-1,3-PENTANEDIOL	00149-31-5	8	
22080	4-METHYL-2-PENTANOL	00108-11-2	8	
22090	2-METHYL-1-PENTENE	00763-29-1	8	
22120	3-METHYL-1-PENTENE	00760-20-3	8	
22150	4-METHYL-1-PENTENE	00691-37-2	3	R: 0.05 mg/kg in food. 28- and 90-day oral rat studies. Ames test negative, cytogenicity study doubtful. (RIVM summary 22 February 1990).
22180	4-METHYL-2-PENTENE	04461-48-7	8	
22240	p-METHYLSTYRENE	00622-97-9	6A	
22245	METHYLTETRAHYDROPHTHALIC ACID	27636-35-7	9	
22247	METHYL-1,2,3,6-TETRAHYDROPHTHALIC ANHYDRIDE	26590-20-5	8	
22256	METHYLTRIMETHOXYSILANE	01185-55-3	8	
22270	METHYL VINYL ETHER	00107-25-5	7	Needed: hydrolysis data.
22300	METHYL VINYL KETONE	00078-94-4	6A	
22330	METHYL VINYL THIOETHER	01822-74-8	6A	
22335	MONOCHLOROACETIC ACID, ESTER WITH 5-(HYDROXYMETHYL)-BICYCLO(2.2.1)HEPT-2-ENE	28693-00-7	6A	
22340	MONOMETHYLAMINE	00074-89-5	W8	Data inadequate.

REF No	NAME	CAS No	SCF List	SCF Opinion
22345	MORPHOLINE p-TOLUENESULPHONATE	13732-62-2	5	
22350	MYRISTIC ACID	00544-63-8	1	ADI: Not specified. (SCF, 25th Series, 1989).
22355	MYRISTOLEIC ACID	00544-64-9	8	
22420	1,5-NAPHTHALENE DIISOCYANATE	03173-72-6	4A	See references for 3,3'-dimethyl-4,4'-diisocyanatobiphenyl.
22424	NEODECANOIC ACID, 2,3-EPOXYPROPYL ESTER	26761-45-5	6A	Covered by 25360.
22428	NEODECANOIC ACID, VINYL ESTER	51000-52-3	7/D	Deleted because covered by 25380.
22435	NEONONANOIC ACID, VINYL ESTER	54423-67-5	7/D	Deleted because covered by 25380.
22440	NEOUNDECANOIC ACID, VINYL ESTER	93820-32-7	7/D	Deleted because covered by 25380.
22450	NITROCELLULOSE	09004-70-0	3	(SCF, 6th Series, 1978).
22465	NONANOIC ACID	00112-05-0	8	
22480	1-NONANOL	00143-08-8	3	See references for 'Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)' (PM/REF.N. 12375) in SCF list 3.
22510	NONENE	27215-95-8	8	
22535	NONYLPHENOL	25154-52-3	9	
22538	2-NONYLPHENOL	00136-83-4	8	
22540	4-NONYLPHENOL	00104-40-5	8	
22555	1-OCTADECANOL	00112-92-5	3	See references for 'Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)' (PM/REF.N.12375) in SCF list 3.
22570	OCTADECYL ISOCYANATE	00112-96-9	4A	See references for 3,3'-dimethyl-4,4'-diisocyanatobiphenyl.
22580	OCTADECYL VINYL ETHER	00930-02-9	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
22585	1,7-OCTADIENE	03710-30-3	8	
22596	1,8-OCTANEDIOL	00629-41-4	8	
22600	1-OCTANOL	00111-87-5	3	See references for 'Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)' (PM/REF.N. 12375) in SCF list 3.
22630	OCTENE (except 1-OCTENE)	25377-83-7	8	
22660	1-OCTENE	00111-66-0	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	OCTYLAMINE	00111-86-4	8	
22690	4-OCTYLPHENOL	01806-26-4	8	
22720	4-tert-OCTYLPHENOL	00140-66-9	D	See PM/REF.N. 25185.
22750	OCTYL VINYL ETHER	00929-62-4	7	Needed: hydrolysis data.
22755	OITICICA OIL	08016-35-1	8	Not food fat.
22757	OITICICA OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
22757/1	OITICICA OIL FATTY ACIDS	-	8/D	It is not an oil from food sources.
22763	OLEIC ACID	00112-80-1	1	ADI: not specified. (SCF, 25th Series, 1990).
22764	OLEIC ACID, DIMER	07049-68-5	8	
22766	OLEYL ALCOHOL	00143-28-2	3	Precursor of oleic acid.
22769	OLIVE OIL FATTY ACIDS, AND THEIR DIMERS	-	D	

REF No	NAME	CAS No	SCF List	SCF Opinion
22769/1	OLIVE OIL FATTY ACIDS	-	3/D	Constituents of food fats.
22769/3	OLIVE OIL FATTY ACIDS, DIMERS	-	8/D	
22775	OXALIC ACID	00144-62-7	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).
22780	PALMITIC ACID	00057-10-3	1	ADI: not specified. (SCF, 25th Series, 1990).
22785	PALMITOLEIC ACID	00373-49-9	0	
22790	PALM KERNEL OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
22790/1	PALM KERNEL OIL FATTY ACIDS	-	3/D	Constituents of food fats.
22795	PALM OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
22795/1	PALM OIL FATTY ACIDS	-	3/D	Constituents of food fats.
22800	3-PENTADECYLPHENOL	00501-24-6	8	
22810	1,3-PENTADIENE	00504-60-9	8	
22811	1,4-PENTADIENE	00591-93-5	8	
22840	PENTAERYTHRITOL	00115-77-5	2	Group TDI: 1 mg/kg b.w. (with dipentaerythritol). See references for dipentaerythritol.
22842	PENTAERYTHRITOL DIALLYL ETHER	02590-16-1	6A	
22844	PENTAERYTHRITOL MONOALLYL ETHER	03784-12-1	6A	
22846	PENTAERYTHRITOL TRIALLYL ETHER	01471-17-6	6A	

REF No	NAME	CAS No	SCF List	SCF Opinion
22848	PENTAETHYLENEHEXAMINE	04067-16-7	8	
22853	N,N,N',N',N''-PENTAMETHYLDIETHYLENETRIAMINE	03030-47-5	8	
22858	1,2-PENTANEDIOL	05343-92-0	8	
22861	1,5-PENTANEDIOL	00111-29-5	8	
22864	2,4-PENTANEDIOL	00625-69-4	8	
22867	PENTANOIC ACID	00109-52-4	0	
22870	1-PENTANOL	00071-41-0	3	See references for 'Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C22)' (PM/REF.N. 12375) in SCF list 3.
22901	2-PENTENE	00109-68-2	8	
22908	trans-2-PENTENE	00646-04-8	8	
22912	1-PENTYNE	00627-19-0	8	
22930	PERFLUOROALKYL (C1-C3) PERFUOROVINYL ETHERS	-	9	
22932	PERFLUOROMETHYL PERFLUOROVINYL ETHER	01187-93-5	6A	
22935	PERFLUOROMETHYL VINYL ETHER	03823-94-7	7	Needed: provided hydrolysis can be demonstrated, data on perfluoromethanol are requested.
22937	PERFLUOROPROPYL PERFLUOROVINYL ETHER	01623-05-8	3	R: 0.05 mg/kg of food. Migration data and three mutagenicity studies negative. (RIVM SDS, May 1996 = CS/PM/2799).
22940	PERFLUOROPROPYL VINYL ETHER	06996-01-6	7	Needed: provided hydrolysis can be demonstrated, data on perfluoropropanol are requested.
22945	PERILLA OIL	68132-21-8	3	Food fat.

REF No	NAME	CAS No	SCF List	SCF Opinion
22950	PERILLA OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
22950/1	PERILLA OIL FATTY ACIDS	-	3/D	Constituents of food fats.
22960	PHENOL	00108-95-2	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	-	9	
23005	PHENYL-o-CRESOL	-	9	
23020	alpha-PHENYL-o-CRESOL	28994-41-4	8	
23050	1,3-PHENYLENEDIAMINE	00108-45-2	4A	Since the data on carcinogenicity by the oral route were inadequate and the substance demonstrated some genotoxic potential, it is acceptable for use only provided there is no detectable migration into food by an agreed sensitive method.
23060	1,4-PHENYLENE DIISOCYANATE	00104-49-4	4A	
23080	PHENYLHYDROQUINONE	01079-21-6	8	
23110	PHENYLHYDROQUINONE DIACETATE	58244-28-3	8	
23125	PHENYL ISOCYANATE	00103-71-9	4A	Isocyanates can hydrolyse to corresponding amines. Some aromatic amines are carcinogenic.
23140	4-PHENYLPHENOL	00092-69-3	8	
23170	PHOSPHORIC ACID	07664-38-2	1	MTDI: 70 mg/kg b.w. (as P). (SCF, 25th Series, 1990).

REF No	NAME	CAS No	SCF List	SCF Opinion
23173	PHOSPHORIC ANHYDRIDE	01314-56-3	1	MTDI: 70 mg/kg b.w. (as P). (SCF, 25th Series, 1990).
23178	PHOSPHOROUS ACID, TRIPHENYL ESTER	00101-02-0	8	
23200	o-PHTHALIC ACID	00088-99-3	2	Group TDI: 1 mg/kg b.w. Included in the group TDI for phthalic anhydride.
23215	PHTHALIC ACIDS, CHLORINATED	-	9	
23230	PHTHALIC ACID, DIALLYL ESTER	00131-17-9	4A	Genotoxic carcinogen (mouse and rat). (RIVM doc. 91/679112/001).
23260	o-PHTHALIC ACID DICHLORIDE	00088-95-9	7	Needed: hydrolysis data.
23290	PHTHALIC ACID, HALOGENATED DERIVATIVES	-	9	
23320	PHTHALIC ACIDS, HYDROGENATED	-	9	
23350	PHTHALIC ACIDS, HYDROGENATED, SUBSTITUTED, ENDOSUBSTITUTED, AND THEIR HALOGENATED DERIVATIVES	-	9	
23380	PHTHALIC ANHYDRIDE	00085-44-9	2	Group TDI: 1 mg/kg b.w. (SCF, 17th Series, 1986).
23410	PHTHALIC ANHYDRIDE, HYDROGENATED	-	9	
23440	PIMELIC ACID	00111-16-0	8	
23470	alpha-PINENE	00080-56-8	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).

REF No	NAME	CAS No	SCF List	SCF Opinion
23500	beta-PINENE	00127-91-3	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	PIPERAZINE	00110-85-0	3	Migration negligible. Only for use as a constituent of composite nanofiltration membrane.
23510	cis-PIPERYLENE	01574-41-0	8	
23515	POLYBUTADIENE	09003-17-2	9	
23518	POLYBUTADIENE, EPOXIDISED	-	9	
23523	POLY(1-BUTENYLENE)	25038-44-2	8	
23530	POLY(1,4-BUTYLENEGLYCOL) (molecular weight greater than 1000)	25190-06-1	7	Needed: molecular weight distribution curve.
23540	POLYCYCLOPENTENE	25103-85-9	9	
23560	POLYETHERS BASED ON ETHYLENE OXIDE, PROPYLENE OXIDE AND/OR TETRAHYDROFURAN, CONTAINING FREE HYDROXYL GROUPS	-	9	
23590	POLYETHYLENEGLYCOL	25322-68-3	2	Group TDI: 5 mg/kg b.w. (with triethyleneglycol). See references for triethyleneglycol. (SCF, 6th Series, 1978).
23594	POLYETHYLENEGLYCOL MONOMETHYL ETHER	09004-74-4	8	
23600	POLYETHYLENEPOLYAMINES	68131-73-7	9	
23605	POLY(ETHYLENE PROPYLENE)GLYCOL BIS (2-AMINOPROPYL) ETHER	65605-36-9	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
23610	POLYGLYCEROL	25618-55-7	9	
23615	POLYHYDROXYBUTYRATE.To be deleted here and introduced in a special annex if authorised.	29435-48-1	D	
23620	POLYOLS DERIVED FROM PHENOLS AND BISPHENOLS, HYDROGENATED AND/OR CONDENSED WITH EPOXYALKANES AND/OR ARYLEPOXYALKANES POSSIBLY HALOGENATED, ALKOXYLATED, ARYLOXYLATED	-	9	
23635	POLYPROPYLENE, CHLORINATED	68442-33-1	9	
23650	POLYPROPYLENEGLYCOL (Molecular weight greater than 400)	25322-69-4	3	Toxicologically acceptable.
23651	POLYPROPYLENEGLYCOL	25322-69-4	3	Toxicologically acceptable.
23660	POLYPROPYLENEGLYCOL 2-AMINOPROPYL ETHER,ETHER WITH 1,1,1-TRIMETHYLOLPROPANE	39423-51-3	8	
23670	POLYPROPYLENEGLYCOL BIS(2-AMINOPROPYL)ETHER	09046-10-0	8	
23680	POLYVINYLALCOHOLS	09002-89-5	D	
23710	POLYVINYLBUTYRALS	63148-65-2	9	
23730	POPPYSEED OIL	08002-11-7	3	Food fat.
23733	POPPYSEED OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
23733/1	POPPYSEED OIL FATTY ACIDS	-	3/D	Constituents of food fats.

REF No	NAME	CAS No	SCF List	SCF Opinion
23740	1,2-PROPANEDIOL	00057-55-6	1	ADI: 25 mg/kg b.w. (JECFA 17 M., 1973).
23800	1-PROPANOL	00071-23-8	3	(SCF, 11th Series, 1981; JECFA 25 M.).
23830	2-PROPANOL	00067-63-0	1	t-ADI: 1.5 mg/kg b.w. (SCF, 11th Series, 1981)
23860	PROPIONALDEHYDE	00123-38-6	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	PROPIONIC ACID	00079-09-4	1	Group ADI: not specified. (SCF, 1st Series, 1974).
23950	PROPIONIC ANHYDRIDE	00123-62-6	1	Group ADI: included in the ADI not specified for propionic acid.(SCF, 1st Report, 1974).
23960	N-(PROPOXYMETHYL)ACRYLAMIDE	38779-95-2	6A	
23970	N-PROPYLACRYLAMIDE	?	6A	
23980	PROPYLENE	00115-07-1	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	PROPYLENE CARBONATE	00108-32-7	8	
24010	PROPYLENE OXIDE	00075-56-9	4A	Mutagenic in several studies. Induces forestomach tumours in rats after oral administration. (*Brit. J. Cancer* 46, 1982, 924).
24015	2-PROPYLIMIDAZOLE	50995-95-4	8	
24017	PROPYLPHENOL	26998-80-1	9	Specify which isomer is used.
24020	2-PROPYLPHENOL	00644-35-9	8	
24021	3-PROPYLPHENOL	00621-27-2	8	
24022	4-PROPYLPHENOL	00645-56-7	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
24040	PROPYL VINYL ETHER	00764-47-6	7	Needed: hydrolysis data.
24045	PUMPKINSEED OIL	08016-49-7	3	Food fat.
24047	PUMPKINSEED OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
24047/1	PUMPKINSEED OIL FATTY ACIDS	-	3/D	Constituents of food fats.
24055	PYROMELLITIC ACID	00089-05-4	3	R: 0.05 mg/kg in food. Same references as pyromellyitic anhydride.
24057	PYROMELLITIC ANHYDRIDE	00089-32-7	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.
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	
24065/1	RAPESEED OIL FATTY ACIDS	-	3/D	Constituents of food fats.
24070	RESIN ACIDS AND ROSIN ACIDS	73138-82-6	2	Group TDI: 1 mg/kg b.w. (SCF, 17th Series, 1986).

REF No	NAME	CAS No	SCF List	SCF Opinion
24075	RICINOLEIC ACID	00141-22-0	2	TDI: 0.7 mg/kg b.w. based on ADI for castor oil. (SCF, 7th Series, 1978).
24078	RICINOLEIC ACID, DEHYDRATED	-	3	Identical to or similar to consituents of food fats.
24080	RICINOLEIC ACID, DEHYDRATED, DIMER	-	8	
24100	ROSIN	08050-09-7	2	Group TDI: 1 mg/kg b.w. (SCF, 17h Series, 1986).
24115	ROSIN, ESTER WITH GLYCEROL	08050-31-5	1	ADI: 12.5 mg/kg b.w. (SCF,.....see cs/pm/1623).
24130	ROSIN GUM	08050-09-7	2-D	Group TDI: 1 mg/kg b.w. (SCF, 6th Series, 1978).
24140	ROSIN, HYDROGENATED, ESTERS WITH ALCOHOLS, POLYHYDRIC, C3-C6	-	9	
24150	ROSIN, POLYMERISED	65997-05-9	9	
24160	ROSIN TALL OIL	08052-10-6	3	
24190	ROSIN WOOD	09014-63-5	2	Group TDI: 1 mg/kg b.w. (SCF, 6th Series, 1978).
24220	RUBBER, CHLORINATED	09006-03-5	9	
24250	RUBBER, NATURAL	09006-04-6	3	Migration unlikely.
24260	SAFFLOWER OIL	08001-23-8	3	Food fat.
24262	SAFFLOWER OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
24262/1	SAFFLOWER OIL FATTY ACIDS	-	3/D	Constituents of food fats.
24270	SALICYLIC ACID	00069-72-7	3	Naturally occurring in food in low concentration.
24275	SANDARAC	09000-57-1	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
24280	SEBACIC ACID	00111-20-6	2	Group TDI: 3 mg/kg b.w. (SCF, 17th Series 1986).
24310	SEBACIC ACID DICHLORIDE	00111-19-3	7	Needed: migration and hydrolysis data. Pending these results necessity for a 28-day oral study and further studies to be considered.
24340	SEBACIC ACID, DI-n-DECYL ESTER	02432-89-5	6B	Group R: 0.05 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.
24370	SEBACIC ACID, DIMETHYL ESTER	00106-79-6	6B	Group R: 0.05 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.
24400	SEBACIC ACID, DIPHENYL ESTER	02918-18-5	8	
24430	SEBACIC ANHYDRIDE	02561-88-8	2	Group TDI: 3 mg/kg b.w. Included in the group TDI for sebacic acid.
24435	SESAME OIL	08008-74-0	3	Food fat.
24437	SESAME OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
24437/1	SESAME OIL FATTY ACIDS	-	3/D	Constituents of food fats.
24440	SHELLAC	09000-59-3	1	ADI: Acceptable. (SCF, 26th Series, 1992).
24445	SILANOLS CONTAINING AT LEAST ONE HYDROXYL GROUP AND ONE OR MORE METHYL GROUPS ON EACH SILICON ATOM	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
24460	SODIUM METHANOLATE	00124-41-4	D	
24475	SODIUM SULPHIDE	01313-82-2	3	Organoleptically self-limiting.
24490	SORBITOL	00050-70-4	1	Acceptable. (SCF, 16th Series, 1985).
24520	SOYBEAN OIL	08001-22-7	3	Food fat.
24525	SOYBEAN OIL FATTY ACIDS, DIMERS	-	8/D	
24540	STARCH, EDIBLE	09005-25-8	0	
24550	STEARIC ACID	00057-11-4	1	ADI: not specified. (SCF, 25th Series, 1990).
24560	STEARIC ACID, VINYL ESTER	00111-63-7	8	Hydrolysis negligible (CS/PM/1895).
24610	STYRENE	00100-42-5	4B-P	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. 17 July1990 (CS/PM/475), CS/PM/915). NB: 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 ovenware due to unacceptably high migration.
24640	STYRENE SUBSTITUTED BY ALKYL GROUPS (alpha)	-	9	
24670	STYRENE SUBSTITUTED IN THE BENZENE RING	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
24700	STYRENE SUBSTITUTED BY HALOGENS (alpha or beta)	-	9	
24730	STYRENE SUBSTITUTED IN THE VINYL GROUP	-	9	
24790	SUBERIC ACID	00505-48-6	8	
24820	SUCCINIC ACID	00110-15-6	1	ADI: not specified. (SCF, 25th Series, 1990).
24835	SUCCINIC ACID, DIMETHYL ESTER	00106-65-0	7	Needed: hydrolysis data.
24850	SUCCINIC ANHYDRIDE	00108-30-5	2	TDI: not specified based on ADI (= not specified) for succinic acid.
24880	SUCROSE	00057-50-1	0	
24885	SULPHAMIC ACID	05329-14-6	8	
24887	5-SULPHOISOPHTHALIC ACID, MONOSODIUM SALT	06362-79-4	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)).
24888	5-SULPHOISOPHTHALIC ACID, MONOSODIUM SALT, DIMETHYL ESTER	03965-55-7	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)).
24890	SULPHOSUCCINIC ACID, MONOALLYL ESTER, SALTS	-	6A	
24895	SUNFLOWER OIL	08001-21-6	3	Food fat.
24900	SUNFLOWER OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
24900/1	SUNFLOWER OIL FATTY ACIDS	-	3/D	Constituents of food fats.

REF No	NAME	CAS No	SCF List	SCF Opinion
24905	TALL OIL	08002-26-4	3	Not a food oil but toxicologically acceptable. (SCF, 17th Series, 1986).
24910	TEREPHTHALIC ACID	00100-21-0	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).
24940	TEREPHTHALIC ACID DICHLORIDE	00100-20-9	2	Group TDI: 0.175 mg/Kg (as terephthalic acid) Hydrolysis (complete) data allow the allocation of the same TDI of terephthalic acid.
24970	TEREPHTHALIC ACID, DIMETHYL ESTER	00120-61-6	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	TEREPHTHALIC ACID, DIPHENYL ESTER	01539-04-4	8	
25030	TETRA(ALLYLOXY)ETHANE	16646-44-9	6A	
25035	TETRABROMOPHTHALIC ACID	13810-83-8	5	
25040	TETRABROMOTEREPHTHALIC ACID	05411-70-1	5	
25060	TETRACHLOROPHTHALIC ACID	00632-58-6	8	
25067	1,13-TETRADECADIENE	21964-49-8	6A	
25070	1-TETRADECANOL	00112-72-1	3	See references for 'Alcohols, aliphatic, monohydric, saturated, linear, primary (C24-C22)' (PM/REF.N. 12375) in SCF list 3.

REF No	NAME	CAS No	SCF List	SCF Opinion
25090	TETRAETHYLENEGLYCOL	00112-60-7	1	ADI: 10 mg/kg b.w. (JECFA 23 M., 1979).
25105	TETRAETHYLENEPENTAMINE	00112-57-2	8	
25120	TETRAFLUOROETHYLENE	00116-14-3	3	R: 0.050 mg/kg in food. Available 3 mutagenicity studies negative. No migration data available. (Summary data from RIVM, CS/PM/925).
25135	TETRAHYDRODICYCLOPENTADIENEDI-METHANAMINE	68889-71-4	8	
25150	TETRAHYDROFURAN	00109-99-9	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).
25155	TETRAHYDROPHTHALIC ACID	29965-78-4	9	
25158	1,2,3,6-TETRAHYDROPHTHALIC ACID	00088-98-2	8	
25161	1,2,3,6-TETRAHYDROPHTHALIC ANHYDRIDE	00085-43-8	8	1-year oral rat study inadequate. (Allied Chem. Corp. 1958).
25163	3,4,5,6-TETRAHYDROPHTHALIC ANHYDRIDE	02426-02-0	8	
25170	1,1,5,5-TETRAKIS(4(2,3-EPOXYPROPOXY)PHENYL)PENTANE	06147-62-2	6A	
25173	1,1,2,2-TETRAKIS(4-HYDROXYPHENYL)ETHANE	07727-33-5	8	
25176	1,1,5,5-TETRAKIS(4-HYDROXYPHENYL)PENTANE	48229-25-0	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
25180	N.N.N.'N'-TETRAKIS(2-HYDROXYPROPYL)ETHYLENEDIAMINE	00102-60-3	2	TDI: 1 mg/kg b.w. A 90-day oral rat study. (Hilltop Research Inst. Inc., 3 January 1956).

REF No	NAME	CAS No	SCF List	SCF Opinion
25185	4-(1,1,3,3-TETRAMETHYLBUTYL)PHENOL (= 4-tert.octylphenol)	00140-66-9	L6B	R = not detectable. Available: Inadequate migration data, inadequate mutagenicity studies, acute tox. data, 28-day oral rat study, two 90-day oral rat studies, reproduction study (special design), excretion study, skin and eye irritation studies, two oestrogenic studies. Needed: Confirmation of the claim of non-detectability at 5 ppb level; information on the composition of the test samples (particularly the amount of 4-(1,1,3,3-tetramethylbutyl)phenol used in the polycondensation process should be indicated); reasons for deviation from standard test conditions in migration experiments; a more extensive description of the method of determination (preferably according to the standard format) and sufficient information to allow evaluation of the data provided; detailed data on the level of 4-tert.octylphenol in the recovery experiments. *In vitro* chromosomal aberration assay in cultured mammalian cells; dependent on the outcome of the migration studies a one-generation reproduction study (special attention to be given to effects on male reproductive organs) may be needed. (RIVM/LST/TNO SDS, November 1996 = CS/PM/2793).

REF No	NAME	CAS No	SCF List	SCF Opinion
25191	2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL	00126-86-3	8	
25193	N,N,N',N'-TETRAMETHYL-1,3-DIAMINOPROPANE	00110-95-2	8	
25201	THIODIETHYLENEGLYCOL	00111-48-8	8	
25203	1-THIOGLYCEROL	00096-27-5	8	
25205	TOLUENE	00108-88-3	3	R: 0.02 mg/kg b.w. based on allowing one tenth 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).
25208	TOLUENE DIISOCYANATE	26471-62-5	4A	See references for 3,3'-dimethyl-4,4'-diisocyanatobiphenyl.
25210	2,4-TOLUENE DIISOCYANATE	00584-84-9	4A	See references for 3,3'-dimethyl-4,4'-diisocyanatobiphenyl.
25240	2,6-TOLUENE DIISOCYANATE	00091-08-7	4A	See references for 3,3'-dimethyl-4,4'-diisocyanatobiphenyl.
25270	2,4-TOLUENE DIISOCYANATE DIMER	26747-90-0	4A	See references for 3,3'-dimethyl-4,4'-diisocyanatobiphenyl.
25300	o-TOLUENESULPHONAMIDE	00088-19-7	8	
25330	p-TOLUENESULPHONAMIDE	00070-55-3	7	Needed: mutagenicity and reproduction studies on the commercial mixture to be specified.
25350	(TRIACETOXY)VINYLSILANE	04130-08-9	6A	
25355	TRIALKYL(C4-C11)ACETIC ACID	-	9	
25359	TRIALKYL(C4-C11)ACETIC ACID, 2,3-EPOXYPROPYL ESTER	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
25360	TRIALKYL(C5-C15)ACETIC ACID, 2,3-EPOXYPROPYL ESTER	-	4A	Available: a 5-week oral rat study and mutagenicity tests. (Summary data only (CS/PM/932)). Structural similarity taken into account.
25380	TRIALKYL ACETIC ACID (C7-C17), VINYL ESTERS (= Vinyl versatate)	-	7	Covers also items under 22428, 22435, 22440. Available: mutagenicity test negative, high bioaccumulation, hydrolysis incomplete. Needed: hydrolysis in additional simulants and migration data.
25382	TRIALKYL(C5-C20)ACETIC ACID, VINYL ESTER	-	7	Needed: provided hydrolysis can be demonstrated, data on trialkyl(C5-C20)acetic acid are requested.
25385	TRIALLYLAMINE	00102-70-5	3	R = 40 mg/kg hydrogel at a ratio of 1 kg food to a max of 1.5 g hydrogel. Only to be used in hydrogels intended for non-direct food contact use. Available: adequate data on residual content of triallylamine in hydrogel; calculated migration; five *in vitro* (one positive) and *in vivo* mutagenicity tests. Although the one negative *in vivo* mutagenicity study is not enough to rule out the genotoxic potential completely, the risk is thought to be very low, if at all, based on the technical information (i.e. no migration) and the restriction for use. The WG therefore does not require a further *in vivo* mutagenicity study. (RIVM/TNO/ISS SDS CS/PM/2856, June 1996).

REF No	NAME	CAS No	SCF List	SCF Opinion
25390	TRIALLYL CYANURATE	00101-37-1	6A	
25405	TRIALLYL ISOCYANURATE	01025-15-6	6A	
25420	2,4,6-TRIAMINO-1,3,5-TRIAZINE	00108-78-1	2	TDI: 0.5 mg/kg b.w. (SCF, 17th Series, 1986).
25435	TRICHLOROBUTADIENE	-	6A	
25445	TRICYCLODECANEDIISOCYANATE	28807-72-9	4A	
25450	TRICYCLODECANEDIMETHANOL	26896-48-0	8	
25465	TRICYCLODECANEMONOMETHANOL	-	9	
25480	TRIETHANOLAMINE	00102-71-6	8	
25510	TRIETHYLENEGLYCOL	00112-27-6	2	Group TDI: 5 mg/kg b.w. (with polyethyleneglycol). (SCF, 17th Series, 1986).
25515	TRIETHYLENEGLYCOL MONOETHYL ETHER	00112-50-5	8	
25520	TRIETHYLENETETRAMINE	00112-24-3	8	
25530	TRIGLYCEROL	56090-54-1	8	
25554	TRIMETHALLYL CYANURATE	16715-84-7	6A	
25556	TRIMETHALLYL ISOCYANURATE	06291-95-8	6A	
25563	2,2,4-TRIMETHYLADIPIC ACID	03586-39-8	8	
25564	2,4,4-TRIMETHYLADIPIC ACID	03937-59-5	8	
25565	2,2,4-TRIMETHYLADIPIC ACID, METHYL ESTERS	-	9	Group R: 0.05 mg/kg b.w.
25566	2,4,4-TRIMETHYLADIPIC ACID, METHYL ESTERS	-	9	Group R: 0.05 mg/kg b.w.
25570	TRIMETHYLETHANOLAMMONIUM CHLORIDE	00067-48-1	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
25573	2,2,4-TRIMETHYLHEXANE-1,6-DIISOCYANATE	16938-22-0	4A	
25574	2,4,4-TRIMETHYLHEXANE-1,6-DIISOCYANATE	15646-96-5	4A	
25580	3,5,5-TRIMETHYLHEXANOIC ACID	03302-10-1	8	
25595	TRIMETHYLOLETHANE	00077-85-0	9	
25600	1,1,1-TRIMETHYLOLPROPANE	00077-99-6	2	TDI: 0.1 mg/kg b.w. A 90-day oral rat study. (Report Perstorp, Sweden).
25630	1,1,1-TRIMETHYLOLPROPANE DIACRYLATE	37275-47-1	7	Needed: hydrolysis data.
25645	1,1,1-TRIMETHYLOLPROPANE DIALLYL ETHER	00682-09-7	6A	
25660	1,1,1-TRIMETHYLOLPROPANE DIMETHACRYLATE	19727-16-3	7	Needed: hydrolysis data.
25690	1,1,1-TRIMETHYLOLPROPANE MALEATES	-	8	
25720	1,1,1-TRIMETHYLOLPROPANE MONOACRYLATE	07024-08-0	7	Needed: hydrolysis data.
25735	1,1,1-TRIMETHYLOLPROPANE MONOALLYL ETHER	00682-11-1	6A	
25750	1,1,1-TRIMETHYLOLPROPANE MONOMETHACRYLATE	07024-09-1	7	Needed: hydrolysis data.
25780	1,1,1-TRIMETHYLOLPROPANE, PROPOXYLATED	25723-16-4	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
25810	1,1,1-TRIMETHYLOLPROPANE TRIACRYLATE	15625-89-5	8	Available: hydrolysis only to the diacrylate and acrylic acid (CS/PM/2156). Known sensitiser. *(Food Chem. Tox.*, 23, 124, 1985). Needed: in addition to data according to SCF guidelines, information on potential for sensitisation to plastics made from this monomer.
25825	1,1,1-TRIMETHYLOLPROPANE TRIALLYL ETHER	00682-08-6	6A	
25855	2,2,4-TRIMETHYL-1,3-PENTANEDIOL	00144-19-4	8	
25870	2,4,4-TRIMETHYL-1-PENTENE	00107-39-1	8	
25875	1,1,3-TRIMETHYL-3-PHENYLINDANE-4,5-DICARBOXYLIC ACID	134960-68-2	8	
25900	TRIOXANE	00110-88-3	7-P	Available: migration data, 28-day and 7-month oral rat studies, mutagenicity tests. Needed: stability in food simulants and *in vivo* UDS study in hepatocytes. (RIVM, 16 May 1995, CS/PM/2577).
25905	TRIPENTAERYTHRITOL	00078-24-0	8	
25910	TRIPROPYLENEGLYCOL	24800-44-0	2	Group TDI: 1.5 mg/kg b.w. (with polypropyleneglycol and dipropyleneglycol). See references for dipropylenglycol.
25915	2,4,6-TRIS((DIMETHYLAMINO)METHYL) PHENOL	00090-72-2	8	
25920	1,3,5-TRIS(2,3-EPOXYPROPYL)-1,3,5-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE	02451-62-9	6A	

REF No	NAME	CAS No	SCF List	SCF Opinion
25925	1,3,5-TRIS(2-HYDROXYETHYL)-1,3,5-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE	00839-90-7	8	
25927	1,1,1-TRIS(4-HYDROXYPHENYL)ETHANE	27955-94-8	3	R = 0.5 mg/kg in finished product. Available: calculated worst case migration; Ames /*E. Coli* assay; *in vitro* chromosomal aberration assay; two *in vivo* micronucleus assays; *in vivo* UDS assay; acute toxicity assay. (RIVM/TNO SDS, December 1996 = CS/PM/2911).
25930	TRIS(2-METHOXYETHOXY)VINYLSILANE	01067-53-4	6A	
25933	TRIS(1-METHOXYISOPROPOXY)VINYLSILANE	96195-81-2	6A	
25950	UNDECANEDIOIC ACID	01852-04-6	8	
25960	UREA	00057-13-6	0	
25965	UTAH COAL RESIN	-	9	
25970	VEGETABLE OIL ACIDS	-	9	
25975	VEGETABLE OIL ACIDS, DIMERS	-	8/D	
25990	VINYLACETYLENE	00689-97-4	6A	
26000	5-VINYLBICYCLO(2.2.1)HEPT-2-ENE	03048-64-4	6A	
26010	VINYL BROMIDE	00593-60-2	4A	IARC has classified vinyl bromide as 'carcinogenic for animals'. (IARC Monograph, vol. 39, 1987).
26020	N-VINYLCARBAZOLE	01484-13-5	6A	
26050	VINYL CHLORIDE	00075-01-4	4A	(SCF, 1st Series, 1975).

REF No	NAME	CAS No	SCF List	SCF Opinion
26080	VINYL ETHERS OF ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C2-C18)	-	9	
26095	VINYL FLUORIDE	00075-02-5	6A	
26110	VINYLIDENE CHLORIDE	00075-35-4	4B	(SCF 13th Series, 1982).
26140	VINYLIDENE FLUORIDE	00075-38-7	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, 29 October 1992).
26170	N-VINYL-N-METHYLACETAMIDE	03195-78-6	3	R = 2 mg/kg in finished product. Available: 5 mutagenicity studies considered to be non-genotoxic, physical-chemical data on VIMA; adequate analytical data and method for the residual content of VIMA in final product; calculation of worst case migration assuming 100 % migration of residual monomer. (RIVM SDS, May 1994 = CS/PM/2371 and TNO SDS, August 1996 = CS/PM/2857).
26200	N-VINYL-N-METHYLFORMAMIDE	02867-48-3	6A	
26215	2-VINYLPYRIDINE	00100-69-6	6A	
26217	4-VINYLPYRIDINE	00100-43-6	6A	
26230	VINYLPYRROLIDONE	00088-12-0	6A-P	
26245	VINYLSILANE	-	6A	
26260	VINYLSULPHONIC ACID	01184-84-5	6A	

REF No	NAME	CAS No	SCF List	SCF Opinion
26290	VINYLTOLUENE	25013-15-4		
26305	VINYLTRIETHOXYSILANE	00078-08-0	6A	
26320	VINYLTRIMETHOXYSILANE	02768-02-7	W	
26340	WALNUT OIL	08024-09-7	3	Food fat.
26345	WALNUT OIL FATTY ACIDS, AND THEIR DIMERS	-	D	
26345/1	WALNUT OIL FATTY ACIDS	-	3/D	Constituents of food fats.
26360	WATER	07732-18-5	0	Specification: Impurity levels not to exceed those set in the Drinking Water Directive.
26370	XYLENE	01330-20-7	3	R: 0.02 mg/kg b.w. (with 95945,95947,95949,95951) based on allowing one tenth of TDI for food contact materials. 2-year oral rat study, mutagenicity test negative. (WHO draft, Geneva, September 1992) (CS/PM/1712).
26400	o-XYLYLBIGUANIDE	72960-48-6	8	

2. ADDITIVES

REF No	NAME	CAS No	SCF List	SCF Opinion
30000	ACETIC ACID	00064-19-7	1	Group ADI: not specified. (SCF, 25th Series, 1991).
30025	ACETIC ACID, BUTOXYPROPYL ESTER	57515-72-7	9	R: 0.05 mg/kg of food.
30029	ACETIC ACID, 2-BUTOXYPROPYL ESTER	?	6B	R: 0.05 mg/kg of food. Needed: hydrolysis data.
30045	ACETIC ACID, BUTYL ESTER	00123-86-4	1	t-ADI: 6 mg/kg b.w. (SCF, 25th Series, 1991).
30080	ACETIC ACID, COPPER SALT	04180-12-5	2	Group-TDI: 0.5 mg/kg b.w. for copper. Based upon: PMTDI 0.5 mg/kg.b.w. (JECFA 26 M., 1982).
30100	ACETIC ACID, DIESTER WITH ETHYLENEGLYCOL	00111-55-7	7	Needed: hydrolysis data.
30130	ACETIC ACID, ETHOXYPROPYL ESTER	?	9	R: 0.05 mg/kg of food.
30140	ACETIC ACID, ETHYL ESTER	00141-78-6	1	ADI: not specified. (SCF, 11th Series, 1981).
30158	ACETIC ACID, ISOBUTOXYPROPYL ESTER	?	9	R: 0.05 mg/kg of food.
30165	ACETIC ACID, ISOPROPYL ESTER	00108-21-4	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
30180	ACETIC ACID, MANGANESE SALT	02180-18-9	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. (SCF, 25th Series, 1991).
30210	ACETIC ACID, 2-METHOXYISOPROPYL ESTER	00108-65-6	6B	R: 0.05 mg/kg of food. Needed: hydrolysis data.
30225	ACETIC ACID, PENTYL ESTER	00628-63-7	7	Needed: hydrolysis data.
30245	ACETIC ACID, PROPYL ESTER	00109-60-4	7	Needed: hydrolysis data.
30280	ACETIC ANHYDRIDE	00108-24-7	2	Group TDI: included in the ADI not specified for acetic acid. (SCF, 25th Series, 1991).
30295	ACETONE	00067-64-1	3	Residue in food less than 5 mg/kg. (SCF, 11th Series, 1981).
30350	ACETYLACETIC ACID, ETHYL ESTER	00141-97-9	7	Needed: hydrolysis data.
30370	ACETYLACETIC ACID, SALTS	-	0	
30380	ACETYLACETIC ACID, SODIUM SALT	00623-58-5	D	
30385	ACETYLACETONE	00123-54-6	8	
30400	ACETYLATED GLYCERIDES	-	1	ADI: not specified. (SCF, 7th report, 1978).
30480	ACETYLRICINOLEIC ACID, BUTYL ESTER	00140-04-5	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
30520	ACIDS, ALIPHATIC, CARBOXYLIC (C1-C20), ESTERS WITH ALCOHOLS (C1-C18)	-	9	
30540	ACIDS, ALIPHATIC, CARBOXYLIC, SATURATED (C12-C20), SALTS	-	9	
30580	ACIDS, ALIPHATIC, DICARBOXYLIC (C4-C10), DIESTERS WITH ALCOHOLS, SATURATED (C1-C18)	-	9	
30600	ACIDS, ALIPHATIC, DICARBOXYLIC, UNSATURATED (C4-C8)	-	9	
30610	ACIDS C2-C24 ALIPHATIC, LINEAR, MONOCARBOXYLIC FROM NATURAL OILS AND FATS AND THEIR MONO-,DI- AND TRIGLYCEROL ESTERS (BRANCHED FATTY ACIDS AT NATURALLY OCCURRING LEVELS ARE INCLUDED).	-	3	Toxicologically acceptable.
30612	ACIDS C2-C24 ALIPHATIC, LINEAR, MONOCARBOXYLIC, SYNTHETIC AND THEIR MONO-,DI- AND TRIGLYCEROL ESTERS	-	3	Toxicologically acceptable.
30620	ACIDS, ALIPH. MONOCARB. (C6-C24)	-	9	
30640	ACIDS, ALIPH., MONOCARB. (C8-C22), sec-BUTYL AND OLEYL ESTERS	-	9	
30720	ACIDS, ALIPH., MONOCBARB. (C8-C22), COMPOUNDS WITH DIETHANOLAMINE	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
30725	ACIDS, ALIPH., MONOCARB. (C16-C18), COMPOUNDS WITH DIETHANOLAMINE	68603-38-3	7	Same references as 39280.
30800	ACIDS, ALIPH., MONOCARB. (MORE THAN C5), ESTERS WITH MANNITOL	-	9	
30880	ACIDS, ALIPH., MONOCARB. (MORE THAN C5), ESTERS WITH PENTAERYTHRITOL	-	9	
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 ATOMS, ESTERS WITH PENTAERYTHRITOL	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
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	
31300	ACIDS, ALIPHATIC, SATURATED (C6-C24), ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C2-C24) AND OLEYL ALCOHOL	-	9	
31304	ACIDS, FATTY (C14-C18), ALKYL (C14-C18) ESTERS	85566-24-1	8-P	
31306	ACIDS, FATTY (C14-C22), ALKYL (C16-C24) ESTERS	92797-30-3	9-P	
31307	ACIDS, FATTY (C16-C18), ALKYL (C12-C18) ESTERS	95912-87-1	9-P	
31320	ACIDS, FATTY, FROM ANIMAL OR VEGETABLE FATS AND OILS	-	8/D	
31328	ACIDS, FATTY FROM ANIMAL OR VEGETABLE FOOD FATS AND OILS	-	3/D	Constituent of food fats.

REF No	NAME	CAS No	SCF List	SCF Opinion
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	ACIDS, FATTY (C14-C22), ESTERS WITH PENTAERYTHRITOL	125109-79-7	9	
31352	ACIDS, FATTY (C16-C18), ESTERS WITH PENTAERYTHRITOL	85116-93-4	9	
31380	ACIDS, FATTY, SALTS	-	9	
31390	ACIDS, LINEAR, WITH AN EVEN NUMBER OF CARBON ATOMS (C8-C22), AND THE DIMERS AND TRIMERS OF THE UNSATURATED ACIDS	-	9	
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	
31455	ACIDS, FATTY, DIMERISED	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
31470	ACIDS, SAT., LINEAR (C5-C10), ESTERS WITH DIPENTAERYTHRITOL	-	9	
31490	ACIDS, SUBSTITUTED (C9-C20), AND THEIR TRIETHA NOLAMINE SALTS	-	9	
31520	ACRYLIC ACID, 2-tert-BUTYL-6-(3-tert-BUTYL-2-HYDROXY-5-METHYLBENZYL)-4-METHYLPHENYL ESTER	61167-58-6	2	TDI: 0.1 mg/kg b.w. 3-month oral rat study. Mutagenicity studies. Migration data. No bioaccumulation in fish. (RIVM 90/678608/007; CS/PM/926).
31530	ACRYLIC ACID, 2,4-DI-tert.PENTYL-6-(1(3,5-DI-tert.PENTYL-2-HYDROXYPHENYL)ETHYL)PHENYL ESTER	123968-25-2	3	R: 5 mg/kg food. 3-month oral rat study, 3 mutagenicity tests, negative, migration data. (TNO, 8 August 1994).
31700	N-ACYLSARCOSINES WHERE THE ACYL GROUP IS DERIVED FROM THE FATTY ACIDS OF COCONUT OIL	68411-97-2	8	
31730	ADIPIC ACID	00124-04-9	1	ADI: 5 mg/kg b.w. (SCF, 25th Series, 1991).
31760	ADIPIC ACID, ALKYL, PRIMARY (C4-C13) ESTERS	-	9	Group R = 0.05 mg/kg b.w.
31920	ADIPIC ACID, BIS(2-ETHYLHEXYL) ESTER	00103-23-1	2	TDI: 0.3 mg/kg b.w. (see the individual report, CS/PM/2160 FINAL).
32000	ADIPIC ACID, BIS(6-METHYLHEPTYL) ESTER	00105-96-4	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.

REF No	NAME	CAS No	SCF List	SCF Opinion
32080	ADIPIC ACID, n-DECYL n-OCTYL ESTER	00110-29-2	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
32160	ADIPIC ACID, DIALKYL ESTERS (C7-C9)	68515-75-3	6B	Group R: 0.05 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 0.05 mg/kg, peroxisome proliferation study of the specified substances.
32200	ADIPIC ACID, DIALLYL ESTER	02998-04-1	6A	
32240	ADIPIC ACID, DIBUTYL ESTER	00105-99-7	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation study too.
32320	ADIPIC ACID, DI-n-DECYL ESTER	00105-97-5	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation study too.
32480	ADIPIC ACID, DIISOBUTYL ESTER	00141-04-8	6B	Group R: 0.05 mg/kg b.w. Available: inadequate 2-year oral rat study. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation study too.

REF No	NAME	CAS No	SCF List	SCF Opinion
32560	ADIPIC ACID, DIISODECYL ESTER	27178-16-1	6B	Group R: 0.05 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 migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
32640	ADIPIC ACID, DIISONONYL ESTER	33703-08-1	6B	Group R: 0.05 mg/kg b.w. Available: 90-day oral rat and dog studies and two mutagenicity studies. Needed: in first instance 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 0.05 mg/kg, peroxisome proliferation studies too.
32720	ADIPIC ACID, DIISOOCTYL ESTER	01330-86-5	6B	Group R: 0.05 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 0.05 mg/kg, peroxisome proliferation study too.
32760	ADIPIC ACID, DIMETHYL ESTER	00627-93-0	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation study too.

REF No	NAME	CAS No	SCF List	SCF Opinion
32800	ADIPIC ACID, DI-n-NONYL ESTER	00151-32-6	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation study too.
32840	ADIPIC ACID, DI-n-OCTADECYL ESTER	01119-74-0	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
32880	ADIPIC ACID, DI-n-OCTYL ESTER	00123-79-5	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation study too.
32920	ADIPIC ACID, ESTERS WITH DIOLS FROM C2-C6	-	9	Group R: 0.05 mg/kg b.w.
32960	ADIPIC ACID, MIXED ESTERS WITH 1,2-PROPYLENEGLYCOL AND ALCOHOLS, MONOH.,SAT., LINEAR (C8-C10)	-	W9	Group R: 0.05 mg/kg b.w. Provide information on identity.
33040	ADIPIC ACID, MONO-n-OCTADECYL ESTER, CALCIUM SALT	94109-12-3	7	Needed: hydrolysis studies.
33070	AGAR-AGAR	09002-18-0	1	ADI: NS. (SCF, 21st Series, 1989).
33100	ALCOHOLS, C3-C22	68551-07-5	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).

REF No	NAME	CAS No	SCF List	SCF Opinion
33140	ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (> C10)	-	9	
33170	ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C16-C18), ETHERS WITH ALKYLMONOETHYLENEGLYCOL	-	9	
33200	ALCOHOLS, ALIPH, MONOH., SAT., LINEAR OR SECONDARY(C4-C22)	-	9	
33280	ALCOHOLS, ALIPH., MONOH., UNSAT., LINEAR, (C16-C22) (except oleyl alcohol)	-	8	Needed: toxicological data on two representatives of the group according SCF guidelines. NB: The evaluation is not applicable to oleyl alcohol.
33320	ALCOHOLS, CYCLOALIPH., MONOH.(UP TO C18), AND SUBSTITUTED	-	9	
33330	ALCOHOLS, FATTY, C12 AND ABOVE	-	9	
33350	ALGINIC ACID	09005-32-7	1	ADI: not specified. (JECFA, 1992).
33360	ALGINIC ACID, SALTS	-	D	ADI: 50 mg/kg b.w. (JECFA 17 M., 1973).
33440	ALKANES (B.P. UP TO 100 °C)	-	9	
33460	ALKANES, n, AND iso,(C4-C14)	-	9	
33520	n-ALKENES (C2-C14)	-	9	
33600	C-ALKENYL(C12-C18) SUCCINALKYL(C12-C18) IMIDE	-	9	
33640	N-ALKYL(C12-C20)ALKYLENE(C2-C6)DIAMINETRIACETIC ACID, SALTS	-	9	
33680	ALKYL(C8-C20)ARYLSULPHONIC ACID	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
33760	ALKYL(C8-C18)ARYLSULPHURIC ACID	-	9	
33800	ALKYL(C10-C13)BENZENESULPHONIC ACID	-	9	
33801	n-ALKYL(C10-C13)BENZENESULPHONIC ACID	-	2	TDI: 0.5 mg/kg b.w. based on TDI for 52000.
33840	ALKYL(C11-C14)BIS(HYDROXYETHYL)SULPHONIUM BISULPHATE	-	9	
33920	ALKYL(C11-C14)BIS(HYDROXYETHYL)SULPHONIUM GLYCOLSULPHATE	-	9	
34000	n-ALKYL(C11-C15)BIS(HYDROXYETHYL)SULPHONIUM SULPHATE	-	9	
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	
34095	ALKYL(C8-C18)IMIDAZOLINIUM ACETATE	-	9	
34100	ALKYL(C8-C18)IMIDAZOLINIUM BROMIDE	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
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	
34165	ALKYL(C8-C18)PHENOXYBENEZENEDISULPHONIC ACID, SALTS	-	9	
34210	ALKYL(C9-C18)PYRIDINIUM ACETATE	-	9	
34215	ALKYL(C8-C18)PYRIDINIUM BROMIDE	-	9	
34220	ALKYL(C8-C18)PYRIDINIUM CHLORIDE	-	9	
34225	ALKYL(C10-C18)SULPHONIC ACIDS	68037-49-0	W9	
34230	ALKYL(C8-C22)SULPHONIC ACIDS	-	2	TDI: 0.1 mg/kg b.w. 1- and 2-year oral rat studies (Bayer report 1960).
34231	n-ALKYL(C8-C22)SULPHONIC ACIDS	-	2	TDI: 0.1 mg/kg b.w. based on TDI for 34230.
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., 8 May 1990)
34241	ALKYL(C10-C20)SULPHONIC ACID ESTERS WITH CRESOLS OR CRESOLS AND PHENOLS	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
34270	N-ALKYL(C8-C18)SULPHOSUCCINAMIDE, SALTS	-	9	
34275	ALKYL(C12-C14)SULPHURIC ACID, SALTS	85586-07-8	9	See 34281.
34280	ALKYL(C8-C22)SULPHURIC ACIDS	-	9	See 34281.
34281	ALKYL(C8-C22)SULPHURIC ACIDS, LINEAR, PRIMARY, WITH AN EVEN NUMBER OF CARBON ATOMS	-	3	Toxicologically acceptable. (CS/PM/2472 = Elias SDS, 24 November 1994).
34290	ALKYL(C16-C18)SULPHURIC ACID, SALTS	-	9	See 34281.
34292	ALKYL(C10-C16)SULPHURIC ACID, SODIUM SALT	68585-47-7	D	Covered by 34280.
34295	ALKYL(C12-C14)SULPHURIC ACID, SODIUM SALT	85586-07-8	D	Covered by 34275.
34300	ALKYL(C16-C18)SULPHURIC ACID, SODIUM SALT	68955-20-4	D	Covered by 34290.
34400	ALKYL(C12-C16)TRIMETHYLAMMONIUM BROMIDE	-	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
34475	ALUMINIUM CALCIUM HYDROXIDE PHOSPHITE, HYDRATE	-	2-3	For luminium L2. Group TDI = 1mg/kg b.w. based on PTWI for Al of 7 mg/kg b.w. (SCF, 25th Series, 1991). For phosphite. L3. Phosphite easily oxidised to phosphate. Available: migration data, 28-day oral rat study, 4 mutagenicity studies. (RIVM SDS, August 1994).
34480	ALUMINIUM FIBRES, 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	ALUMINIUM HYDROXIDE	21645-51-2	2	TDI: 1 mg/kg b.w. (as Al) based on PTWI: 7 mg/kg b.w. (as Al). (SCF, 25th Series, 1991).
34640	ALUMINIUM HYDROXIDE BIS(4-tert-BUTYLBENZOATE)	13170-05-3	W	L2 for Al. TDI: 1 mg/kg b.w. (as Al) based on PTWI: 7 mg/kg b.w. (as Al). (SCF, 25th Series, 1991). W8 for bis(4-tert.butylbenzoate).
34660	ALUMINIUM HYDROXYCHLORIDE	01327-41-9	2	TDI: 1 mg/kg (as Al) based on PTWI: 7 mg/kg b.w. (as Al). (SCF, 25th Series, 1991).

REF No	NAME	CAS No	SCF List	SCF Opinion
34690	ALUMINIUM MAGNESIUM CARBONATE HYDROXIDE	11097-59-9	3	Inert material.
34720	ALUMINIUM OXIDE	01344-28-1	2	TDI: 1 mg/kg b.w. (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 b.w. based on PTWI: 7 mg/kg b.w. (as Al). (SCF, 25th Series 1991). L9 for 'silanated'.
34780	ALUMINIUM SODIUM SULPHOSILICATE	-	9	L2 for Al. TDI: 1 mg/kg b.w. (as Al) based on PTWI: 7 mg/kg b.w. (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	

REF No	NAME	CAS No	SCF List	SCF Opinion
34925	3-AMINO-N-(CARBOXYMETHYL)-N,N,-DIMETHYL-1-PROPANAMINIUM, N-COCO ACYL DERIVATIVES HYDROXIDES, INNER SALT	61789-40-0	W8	
34940	3-AMINOCROTONIC ACID, DIESTER WITH ETHYLENEGLYCOL	14205-40-4	8	Available: summary on 90-day study, migration into oil (< 0.25 ppm).
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.
35000	3-AMINOCROTONIC ACID, ESTERS WITH 1,2-DIPROPYLENEGLYCOL	-	9	
35040	3-AMINOCROTONIC ACID, ESTERS WITH MONO- OR DIHYDRIC ALCOHOLS	-	9	
35120	3-AMINOCROTONIC ACID, DIESTER WITH THIOBIS(2-HYDROXYETHYL)ETHER	13560-49-1	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	N-(2-AMINOETHYL)-2-AMINOETHANESULPHONIC ACID, SODIUM SALT	34730-59-1	8	
35280	N-(2-AMINOETHYL)-3-AMINOPROPANESULPHONIC ACID, SALTS	-	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
35288	N-(2-AMINOETHYL)-N-(2-HYDROXYETHYL)-beta-ALANINE,N-COCO ACYLDERIVATIVES, MONOSODIUM SALTS(+)	93820-52-1	W8	
35294	4-AMINO-4-OXO-2-SULPHOBUTYRIC ACID, N-TALLOW ALKYL DERIVATIVES, DISODIUM SALTS	90268-48-7	W8	
35300	3-AMINOPROPYLTRIETHOXYSILANE	00919-30-2	8	
35320	AMMONIA	07664-41-7	1	ADI: not specified. (SCF, 25th series, 1991).
35440	AMMONIUM BROMIDE	12124-97-9	1	Group ADI: 1 mg/kg b.w. (as Br) as pesticide residue. (JMPR 'Pesticide residues in food', 1988, paper 93/2).
35520	AMMONIUM CHLORIDE	12125-02-9	1/D	ADI: not specified. (SCF, Rx).
35560	AMMONIUM DITHIONITE	-	8	
35600	AMMONIUM HYDROXIDE	01336-21-6	1	ADI: not specified. (SCF, Rx).
35630	AMMONIUM SULPHITE	10196-04-0	2	Group TDI = 0.7 mg/kg b.w. Based on ADI for S02.
35645	AMMONIUM ZINCATE	?	9	
35680	ANTIMONY PENTOXIDE	01314-60-9	6B	R: 0.01 mg/kg (as Sb). Very low EEC limit for drinking water: 0.01 mg/1. Needed: actual use.
35760	ANTIMONY TRIOXIDE	01309-64-4	6B	R: 0.01 mg/kg (as Sb). Very low EEC limit for drinking water: 0.01 mg/1. Needed: actual use.

REF No	NAME	CAS No	SCF List	SCF Opinion
35840	ARACHIDIC ACID	00506-30-9	0	
35845	ARACHIDONIC ACID	07771-44-0	0	
35920	ARYLSULPHONIC ACID	-	9	
36000	ASCORBIC ACID	00050-81-7	1	Acceptable. (SCF, 22th Series, 1989).
36080	ASCORBYL PALMITATE	00137-66-6	1	Acceptable. (SCF, 22th Series, 1989).
36160	ASCORBYL STEARATE	10605-09-1	1	Acceptable. Covered by the assessment for ascorbyl palmitate.
36240	AZELAIC ACID, ALKYL, PRIMARY(C1-C12) ESTERS	-	9	Group R: 0.05 mg/kg b.w.
36320	AZELAIC ACID, BIS(2-ETHYLHEXYL) ESTER	00103-24-2	6B	Group R: 0.05 mg/kg b.w. Available: inadequate 90-day study. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation study too.
36400	AZELAIC ACID, BIS(6-METHYLHEPTYL) ESTER	00106-03-6	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation study too.
36480	AZELAIC ACID, DI-n-HEXYL ESTER	00109-31-9	6B	Group R: 0.05 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 0.05 mg/kg, peroxisome proliferation studies too.

REF No	NAME	CAS No	SCF List	SCF Opinion
36520	AZELAIC ACID, DIISOOCTYL ESTER	26544-17-2	6B	Group R: 0.05 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 0.05 mg/kg, peroxisome proliferation study too.
36560	AZELAIC ACID, DI-n-OCTYL ESTER	02064-80-4	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation study too.
36640	AZODICARBONAMIDE	00123-77-3	3	Evaluated in the context of its use as blowing agent which on heating will break down.
36720	BARIUM HYDROXIDE	17194-00-2	3	R: 1 mg/kg in food. (RIVM doc. May 1992 (CS/PM/1584)).
36800	BARIUM NITRATE	10022-31-8	2-3	TDI: 3 mg/kg b.w. (for nitrate) based on ADI = 5 mg/kg b.w. on sodium nitrate. (SCF, 26 Series, 1992). R: 1 mg/kg (as Ba) in food. (RIVM doc., May 1992 (CS/PM/1584)).
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.

REF No	NAME	CAS No	SCF List	SCF Opinion
36880	BEESWAX	08012-89-3	0	
36960	BEHENAMIDE	03061-75-4	3	Metabolised to ammonia and behenic acid
37040	BEHENIC ACID	00112-85-6	0	
37120	BEHENIC ACID, ESTERS WITH PENTAERYTHRITOL	-	7	Needed: hydrolysis data.
37200	BEHENIC ACID, MONOESTERS WITH PENTAERYTHRITOL	53161-46-9	7	Needed: hydrolysis data.
37280	BENTONITE	01302-78-9	3	Inert material.
37360	BENZALDEHYDE	00100-52-7	1	Group ADI: 5 mg/kg b.w. as benzoic acid. (JECFA 11 M., 1967)
37400	1,4-BENZENEDIMETHANAMINE	00539-48-0	8	
37440	BENZENESULPHONIC ACID HYDRAZIDE	00080-17-1	6A	
37520	1,2-BENZISOTHIAZOLIN-3-ONE	02634-33-5	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.
37530	1,2-BENZISOTHIAZOLIN-3-ONE, LITHIUM SALT	111337-53-2	2	L2 for 1,2-Benzisothiazolin-3-one t-TDI: 0.02 mg/kg b.w. See references for 37520. L2 for lithium. Group TDI: 0.01 mg/kg b.w. See references for 38000.
37600	BENZOIC ACID	00065-85-0	1	Group ADI: 5 mg/kg b.w. (JECFA 27 M., 1983).

REF No	NAME	CAS No	SCF List	SCF Opinion
37680	BENZOIC ACID, BUTYL ESTER	00136-60-7	2	Group TDI: 5 mg/kg b.w. as benzoic acid for butyl-, ethyl-, methyl-, propylbenzoate on thc basis of the Group ADI for benzoic acid. (JECFA 27 M., 1983)
37760	BENZOIC ACID, ESTERS WITH 1,2-PROPANEDIOL	-	D	
37840	BENZOIC ACID, ETHYL ESTER	00093-89-0	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).
37920	BENZOIC ACID, 3-HYDROXYPHENYL ESTER	00136-36-7	7	Needed: hydrolysis data.
38000	BENZOIC ACID, LITHIUM SALT	00553-54-8	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).
38080	BENZOIC ACID, METHYL ESTER	00093-58-3	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).
38160	BENZOIC ACID, PROPYL ESTER	02315-68-6	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	BENZOIN	00119-53-9	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
38240	BENZOPHENONE	00119-61-9	2	Group TDI: 0.01 mg/kg b.w. 90-day oral rat study and metabolism study (CIVO report R 3301, 1970).
38280	BENZOQUINONE	00106-51-4	8	
38320	4-(2-BENZOXAZOLYL)-4'-(5-METHYL-2-BENZOXAZOLYL) STILBENE	05242-49-9	3	R = Maximum amount to be used 0.05 % (w/w).
38400	BENZYL ALCOHOL	00100-51-6	1	Group ADI: 5 mg/kg b.w. in the ADI for benzoic acid. (SCF, 11th Series, 1981).
38440	BENZYLTRIETHYLAMMONIUM CHLORIDE	00056-37-1	8	
38480	BENZYLTRIMETHYLAMMONIUM CHLORIDE	00056-93-9	8	
38515	4,4'-BIS(2-BENZOXAZOLYL)STILBENE	01533-45-5	3	R: 0.05 mg/kg food. Available: 3 mutagenicity tests, negative and migration data. (RIVM SDS of 25 October1994 and 3 May 1996 = CS/PM/2463 and CS/PM/2791). Remark: since high migration into fat has been demonstrated with the exception of PET, the WG recommends that the Commission take the necessary measures so that the restriction proposed is not exceeded.

REF No	NAME	CAS No	SCF List	SCF Opinion
38560	2,5-BIS(5-tert-BUTYL-2-BENZOXAZOLYL)THIOPHENE	07128-64-5	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).
38570	2,2-BIS(3-tert.BUTYL-4-HYDROXYPHENYL)PROPANE	00079-96-9	8	
38600	2,5-BIS(tert-BUTYLPEROXY)-2,5-DIMETHYLHEXANE	00078-63-7	9	Specification for use.
38615	1,3-BIS(tert-BUTYLPEROXYISOPROPYL)BENZENE	02212-81-9	9	Specification for use.
38625	1,4-BIS(tert-BUTYLPEROXYISOPROPYL)BENZENE	02781-00-2	9	Specification for use.
38700	BIS(2-CARBOBUTOXYETHYL)TIN-BIS(ISOOCTYL MERCAPTOACETATE)	63397-60-4	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, 4 April 1989).
38720	2,2-BIS(4-(2-(3,5-DI-tert-BUTYL-4-HYDROXYHYDRO-CINNAMOYLOXY))ETHOXYPHENYL)-PROPANE	105350-68-3	W	
38800	N.N'-BIS(3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL)PROPIONYL) HYDRAZIDE	32687-78-8	2	TDI: 0.25 mg/kg b.w. 3-month oral rat study, mutagenicity studies. Migration data. (RIVM, September 1990).

REF No	NAME	CAS No	SCF List	SCF Opinion
38820	BIS(2,4-DI-tert-BUTYLPHENYL) PENTAERYTHRITOL DIPHOSPHITE	26741-53-7	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	4,4'-BIS((4-DIETHANOLAMINO-6-(m-SULPHOANILINO)-s-TRIAZIN-2-YL)AMINO)-2,2'-STILBENEDISULPHONIC ACID	47910-88-3	7	Available: data on structurally related substances. Reports questionable. Needed: migration data and toxicity tests according to SCF guidelines on a compound representative of the group (38860/38862/38864/38870/39800/39930). (RIVM doc. CS/PM/2088).
38862	4,4'-BIS((4-DIETHANOLAMINO-6-(o-SULPHOANILINO)-s-TRIAZIN-2-YL)AMINO)-2,2'-STILBENEDISULPHONIC ACID	?	7	Available: data on structurally related substance. Reports questionable. Needed: migration data and toxicity tests according to SCF guideline for one of the following substances: 38860/38862/38864/38870/39800/39930.
38864	4,4'-BIS((4-DIETHANOLAMINO-6-(p-SULPHOANILINO)-s-TRIAZIN-2-YL)AMINO)-2,2'-STILBENEDISULPHONIC ACID	?	7	Available: data on structurally related substance. Reports questionable. Needed: migration data and toxicity tests according to SCF guidelines for one of the following substances: 38860/38862/38864/38870/39800/39930.
38870	4,4'-BIS((4-DIETHYLAMINO-6-(2,5-DISULPHOANILINO)-s-TRIAZIN-2-YL)AMINO)-2,2'-STILBENEDISULPHONIC ACID	?	7	Available: data on structurally related substance. Reports questionable. Needed: migration data and toxicity tests according to SCF guideline for one of the following substances: 38860/38862/38864/38870/39800/39930.

REF No	NAME	CAS No	SCF List	SCF Opinion
38879	BIS(3,4-DIMETHYLBENZYLIDENE)SORBITOL	135861-56-2	2	Group TDI: 1 mg/kg b.w. (with 39760 and 38920). Available: 3 mutagenicity studies negative, 3-month oral rat study, bioaccumulation and migration data. (RIVM report, 22 August 1995, CS/PM/2650).
38890	2,2-BIS(3,5-DI-n-OCTYL-4-HYDROXYPHENYL)PROPANE	?	8	
38910	BIS(4-DIPHENYLSULPHONIUM)PHENYL SULPHIDE-BIS (HEXAFLUOROANTIMONATE)	-	6B	List 8 for the compound. List 6B for Sb. R: 0.01 mg/kg of food (as Sb).
38930	BIS(4-DIPHENYLSULPHONIUM)PHENYL SULPHIDE-BIS (HEXAFLUOROPHOSPHATE)	74227-35-3	8	
38950	BIS(4-ETHYLBENZYLIDENE)SORBITOL	79072-96-1	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 studies, several mutagenicity tests negative. (RIVM Doc. 88/678608/008, 1 Nov. 1988; RIVM Doc. Tox 300/425, May 1983, RIVM 15 Nov. 1989).
38970	N,N-BIS-(2-ETHYLHEXYL)GLYCINE, SODIUM SALT	-	8	
39060	1,1-BIS(2-HYDROXY-3,5-DI-tert-BUTYLPHENYL)ETHANE	35958-30-6	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).

REF No	NAME	CAS No	SCF List	SCF Opinion
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). Needed: adequate 28-day oral study.
39140	N,N-BIS(2-HYDROXYETHYL)DECANAMIDE	00136-26-5	7	Same references as 39280.
39200	BIS(2-HYDROXYETHYL)-2-HYDROXYPROPYL-3-(DODECYLOXY) METHYLAMMONIUM CHLORIDE	06200-40-4	2	TDI: 0.03 mg/kg b.w. 90-day oral rat study. (CIVO report R2491, September 1967 and 2628, February 1968).
39280	N,N-BIS(2-HYDROXYETHYL)LAURAMIDE	00120-40-1	7	Available: 3-month oral rat and dog studies with different diethanolamides of fatty acids. Three mutagenicity studies, negative. Migration data. Needed: Reason for the choice of test sample (polymer and concentration of additive) for migration test, stability of additive in food simulants under the test conditions applied, physical-chemical data including Po/w and data on use. (RIVM SDS May 1996 = CS/PM/2801).

REF No	NAME	CAS No	SCF List	SCF Opinion
39360	N,N-BIS(2-HYDROXYETHYL)OCTADECYLAMINE, N(2-HYDROXYETHYL-N-OCTADECYLGLYCINE(MONOSODIUM SALT/AND N,N'-BIS(HYDROXYETHYL)-N-(CARBOXYMETHYL) OCTADECANAMINIUM HYDROXIDE (INNER SALT) COMPON. MIXT. OF REACTION	-	9	
39440	N,N-BIS(2-HYDROXYETHYL)-N-(n-OCTYL)-N-METHYLAMMONIUM 4-TOLUENESULPHONATE	58767-50-3	8	
39480	N,N-BIS(2-HYDROXYETHYL)OLEAMIDE	00093-83-4	7	Same references as 39280.
39520	N,N-BIS(2-HYDROXYETHYL)STEARAMIDE	00093-82-3	7	Same references as 39280.
39600	BIS(2-HYDROXY-3-(1-METHYLCYCLOHEXYL)-5-METHYLPHENYL)METHANE	00077-62-3	D	
39630	N,N'-BIS(HYDROXYMETHYL)UREA	00140-95-4	8	
39650	BIS(4-HYDROXYPHENYL)METHANE	00620-92-8	8	
39680	2,2-BIS(4-HYDROXYPHENYL)PROPANE	00080-05-7	2	TDI: 0.05 mg/kg b.w. 90-day and long-term oral studies in mice and rats. (CIVO rep. N. R 6229, November 1979).

REF No	NAME	CAS No	SCF List	SCF Opinion
39800	4,4'-BIS((4-METHOXY-6-ANILINO-s-TRIAZIN-2-YL)AMINO)-2,2'-STILBENEDISULPHONIC ACID	07342-13-4	7	Available: data on structurally related substance. Reports questionable. Needed: migration data and toxicity tests according to SCF guideline on a compound representative of the group: 38860/38862/38864/38870/39800/39930. (RIVM doc. CS/PM/2088).
39890	BIS(METHYLBENZYLIDENE) SORBITOL	87826-41-3, 69158-41-4 and 54686-97-4	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	1,1-BIS(2-METHYL-4-HYDROXY-5-tert-BUTYLPHENYL)BUTANE	00085-60-9	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	?	7	Available: data on structurally related substance. Reports questionable. Needed: migration data and toxicity tests according to SCF guidelines on a compound representative of the group: 38860/38862/38864/38870/39800/39930.

REF No	NAME	CAS No	SCF List	SCF Opinion
39945	4,4'-BIS((4-MORPHOLINO-6-(2,5-DISULPHOANILINO)-s-TRIAZIN-2-YL)AMINO)-2,2'-STILBENEDISULPHONIC ACID	?	7	Available: data on structurally related substance. Reports questionable. Needed: migration data and toxicity tests according to SCF guidelines on a compound representative of the group (39945/39960). (RIVM doc. CS/PM/2088).
39960	4,4'-BIS((4-MORPHOLINO-6-(p-SULPHOANILINO)-s-TRIAZIN-2-YL)AMINO)-2,2'STILBENEDISULPHONIC ACID	?	7	Available: data on structurally related substance. reports questionable. Needed: migration data and toxicity tests according to SCF guidelines on a compound representative of the group (39945/39960). (RIVM doc. CS/PM/2088).
39980	BIS(N,N'-METHYL-beta-HYDROXYETHYL)-HEXAMETHYLENEBISUREA	-	8	
40000	2,4-BIS(OCTYLMERCAPTO)-6-(4-HYDROXY-3,5-DI-tert-BUTYLANILINO)-1,3,5-TRIAZINE	00991-84-4	2	TDI: 0.5 mg/kg b.w. 90-day oral rat and dog studies. (RIVM monograph 300/211, December 1980).
40020	2,4-BIS(OCTYLTHIOMETHYL)-6-METHYLPHENOL	110553-27-0	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).
40040	BIS(PENTAERYTHRITOL) ADIPATE	13259-35-3	9	
40080	BIS(PHENOXYETHYL)FORMAL	13879-32-8	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
40120	BIS(POLYETHYLENEGLYCOL)HYDROXYMETHYLPHOSPHONATE	-	2	t-TDI: 0.01 mg/kg b.w. Available: 90-day oral rat study and migration less than 0.1 ppm. (RIVM doc., October 1970). Needed: mutagenicity studies.
40240	BIS(TRIETHYLENEGLYCOL) HYDROXYMETHYLPHOSPHONATE	-	D	t-TDI: 0.01 mg/kg b.w. Available: 90-day oral rat study and migration < 0.1 ppm. (RIVM doc., October 1970). Needed: mutagenicity studies.
40300	BONE OIL	08001-85-2	8	
40320	BORIC ACID	10043-35-3	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 2-year oral mouse carcinogenicity study. (*Toxicol. Appl. Pharmacol.*, 1972, 23, 351-364, NTP report TR 324, 26 March 1986).
40400	BORON NITRIDE	10043-11-5	3	Inert, insoluble material.
40430	BORON TRIFLUORIDE ETHERATE	00109-63-7	8	L8 for the compound. L2 for the Boron. TDI: 0.2 (as B). See references for boric acid in list 2.
40445	2-BROMO-4-HYDROXYACETOPHENONE	61791-99-9	8	Data exist but are not available to SCF.
40460	2-BROMO-2-NITRO-1,3-PROPANEDIOL	00052-51-7	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
40480	2-BROMO-2-NITROSTYRENE	07166-19-0	8	
40570	BUTANE	00106-97-8	3	Volatile compound.
40580	1,4-BUTANEDIOL	00110-63-4	8	
40590	1-BUTANOL	00071-36-3	3	See references for 'Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C24)' (PM/REF.N. 33120) in SCF list 3.
40592	2-BUTANOL	00078-92-2	8	
40594	tert-BUTANOL	00075-65-0	3	Residue in food less than 10 mg/kg. (SCF, 11th Series, 1981; EHC 65).
40610	3-BUTEN-2-OL	00598-32-3	6A	
40618	1-BUTOXY-2-PROPANOL	05131-66-8	8	
40630	N-BUTYLBENZAMIDE	02782-40-3	8	
40640	4-tert-BUTYLCATECHOL	00098-29-3	8	
40720	tert-BUTYL-4-HYDROXYANISOLE (= BHA)	25013-16-5	1	t-ADI: 0.5 mg/kg b.w. (SCF, 22nd Series, 1989).
40740	2-(3-tert-BUTYL-4-HYDROXYPHENYL)-2-(4-HYDROXYPHENYL)PROPANE	?	8	
40800	4,4'-BUTYLIDENEBIS(6-tert-BUTYL-3-METHYLPHENYL-DITRIDECYL PHOSPHITE)	13003-12-8	2	TDI: 0.1 mg/kg b.w. 90-day oral rat study. (CIVO report 5254, February 1977).
40840	4-BUTYLPHENOL	01638-22-8	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
40850	4-tert-BUTYLPHENOL	00098-54-4	7	Available: 3 negative mutagenicity tests and migration data. (CS/PM/2037). Needed: data on usage, maximum percentage in formulation, maximum contact temperature in practice, IR/NMR spectra or data on purity/impurities.
40865	tert-BUTYLPHENOL DISULPHIDE	50696-71-4	D	
40880	BUTYLTHIOSTANNOIC ACID	15666-29-2	D	See 47210.
40980	BUTYRIC ACID, MANGANESE SALT	19664-95-0	2	L0 for butyric acid. L2 for Mn. TDI: 0.01 mg/kg (as Mn). See references for 30180 in L2 in this report.
41000	gamma-BUTYROLACTONE	00096-48-0	8	
41040	CALCIUM BUTYRATE	05743-36-2	0	
41120	CALCIUM CHLORIDE	10043-52-4	1	ADI: not specified. (SCF, Rx).
41200	CALCIUM FLUORIDE	07789-75-5	7	Needed: migration data.
41280	CALCIUM HYDROXIDE	01305-62-0	1	ADI: not specified. (SCF, Rx).
41360	CALCIUM METASILICATE	10101-39-0	7	Needed: migration data.
41440	CALCIUM 2-METHOXYBENZOATE	-	8	
41520	CALCIUM OXIDE	01305-78-8	1	ADI: not specified. (SCF, Rx).

REF No	NAME	CAS No	SCF List	SCF Opinion
41600	CALCIUM SULPHOALUMINATE	12004-14-7 37293-22-4	2	TDI: 1 mg/kg b.w. (as Al) based on PTWI = 7 mg/kg b.w. (as Al). (SCF, 25th Series, 1991).
41680	CAMPHOR	00076-22-2	3	Natural compound with strong flavour.
41760	CANDELILLA WAX	08006-44-8	3	Natural wax. Purity to be specified.
41840	CAPROLACTAM	00105-60-2	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).
41880	CAPROLACTONE	00502-44-3	8	Data on migration are inadequate.
41960	CAPRYLIC ACID	00124-07-2	0	
42000	(2-CARBOBUTOXYETHYL)TIN-TRIS(ISOOCTYL MERCAPTOACETATE)	63438-80-2	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, 4 April 1989).
42080	CARBON BLACK	01333-86-4	3	Criteria purity shall be established. Carbon black should be free from aromatic hydrocarbons (CS/PM/2041).
42160	CARBON DIOXIDE	00124-38-9	1	ADI: not specified. (JECFA 23rd M., 1980).
42240	CARBON FIBRES	-	9	
42320	CARBONIC ACID, COPPER SALT	07492-68-4	2	Group-TDI: 0.5 mg/kg b.w. for copper. Based upon: PMTDI 0.5 mg/kg b.w.) (JECFA 26 M., 1982).

REF No	NAME	CAS No	SCF List	SCF Opinion
42400	CARBONIC ACID, LITHIUM SALT	10377-37-4	2	Group TDI: 0.01 mg/kg b.w. (as Li). See references for benzoic acid, lithium salt.
42480	CARBONIC ACID, RUBIDIUM SALT	00584-09-8	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).
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	CARBOXYMETHYLCELLULOSE	09000-11-7	2	Group TDI: not specified based on Group ADI (= not specified) for certain modified celluloses. (JECFA 35 M, 1989).
42680	N-(3-CARBOXY-2-SULPHOPROPIONYL)-N-OCTADECYL-L-ASPARTIC ACID, TETRASODIUM SALT	03401-73-8	W8	
42720	CARNAUBA WAX	08015-86-9	3	Natural wax. Purity to be specified.
42760/0	CARRAGEENAN	09000-07-1	1	ADI: 75 mg/kg b.w. (SCF, in press (cs/pm/1626)).
42760/1	CARRAGEENAN	09000-07-1	9	
42800	CASEIN	09000-71-9	0	
42880	CASTOR OIL	08001-79-4	3	Food fat.
42960	CASTOR OIL, DEHYDRATED	64147-40-6	3	Similar to fats food.

REF No	NAME	CAS No	SCF List	SCF Opinion
43040	CASTOR OIL, EPOXIDISED (OXIRANE LESS THAN 5 %, IODINE NUMBER LESS THAN 6)	-	8	
43120	CASTOR OIL, HYDROGENATED	08001-78-3	3	Identical with or similar to food fat.
43200	CASTOR OIL, MONO- AND DIGLYCERIDES	-	3	Toxicologically acceptable.
43230	CASTOR OIL, SULPHATED	08002-33-3	9	
43260	CASTOR OIL SULPHONATED	101316-48-7	9	
43265	CASTOR OIL, SULPHONATED, SODIUM SALT	-	8	
43280	CELLULOSE	09004-34-6	0	
43300	CELLULOSE ACETATE BUTYRATE	09004-36-8	3	Inert material, modified natural cellulose.
43360	CELLULOSE, REGENERATED	68442-85-3	2	Group TDI: not specified based on Group ADI (= not specified) for certain modified cellulose. (JECFA 35 M., 1989).
43440	CERESIN	08001-75-0	3	Refined, natural, crystalline wax. Purity to be specified.
43470	CERIUM OXIDE	11129-18-3	8	Available: several studies on mixtures of lanthanides. Most insufficient for evaluation of use in food contact applications (RIVM doc. for Cerium (CS/PM/2090)).
43520	CHLORIDES OF CHOLINE ESTERS OF LINEAR NATURAL MONOCARB. ACIDS	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
43600	1-(3-CHLOROALLYL)-3,5,7-TRIAZA-1-AZONIAADAMANTANE CHLORIDE	04080-31-3	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).
43630	p-CHLORO-m-CRESOL	00059-50-7	8	There are data (confidential), but they have not been transmitted.
43650	1-CHLORO-1,1-DIFLUOROETHANE	00075-68-3	W7	Available: semi-chronic and chronic inhalation studies in rats, 2 inhalation teratogenicity studies in rats, several Ames tests and two *in vivo* mutagenicity studies, migration data. Needed: reproduction study.
43680	CHLORODIFLUOROMETHANE	00075-45-6	2	TDI: 0.1 mg/kg b.w. (based on teratogenicity study). Specification: content of chlorofluoromethane less than 1 ppm. One year oral rat study. Several inhalation studies in several animal species, including teratogenicity in rabbits. Mutagenicity tests *in vitro* and *in vivo*. NB: The Committee has not considered the environmental implications of the use of the solvent in food technology, but recognises that environmental considerations may take precedence over its own evaluations on this occasion.

REF No	NAME	CAS No	SCF List	SCF Opinion
43760	5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE	26172-55-4	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 sensitiser.
43800	CHROMIC ACID	?	9	
43840	CHROMIC CHLORIDE MYRISTATE	15659-56-0	8	
43920	CHROMIC CHLORIDE STEARATE	15242-96-3	9	
43950	CHROMIUM(III) CHLORIDE	10025-73-7	7	Available: RIVM report (CS/PM/1044 and 2039). Needed: in first instance migration data.
43980	CHROMIUM OXIDE	11118-57-3	9	
44000	CHROMIUM TRIOXIDE	01333-82-0	5	Cr(VI) is a genotoxic carcinogen (IARC monograph 1980, vol. 23).
44160	CITRIC ACID	00077-92-9	1	Group ADI: not specified for citric acid and its salts. (SCF, 25th Series, 1990).
44240	CITRIC ACID, ALKYL, PRIMARY (C2-C12), ESTERS	-	9	Group R: 0.05 mg/kg b.w.
44280	CITRIC ACID, DIOCTADECYL ESTER	29589-99-9	6B	Group R: 0.05 mg/kg b.w. Needed: specification on identity and toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
44300	CITRIC ACID, LITHIUM SALT, REACTION PRODUCT WITH VERMICULITE	110638-71-6*	D	See PM/REF.N. 95725.
44320	CITRIC ACID, MONOISOPROPYL ESTER	01321-57-9	7	Needed: hydrolysis data and reports from Duel *et al.*, (1951).

REF No	NAME	CAS No	SCF List	SCF Opinion
44400	CITRIC ACID, MONO-n-OCTADECYL ESTER	01323-66-6	7	Needed: hydrolysis data and reports from Duel *et al.*, (1951).
44560	CITRIC ACID, TRIBUTYL ESTER	00077-94-1	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation study too.
44640	CITRIC ACID, TRIETHYL ESTER	00077-93-0	1	ADI: 20 mg/kg b.w. (JECFA 28 M., 1984).
44720	CITRIC ACID, TRI-n-OCTADECYL ESTER	07775-50-0	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation study too.
44800	CITRIC ACID, TRIS(2-ETHYLHEXYL) ESTER	07147-34-4	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation study too.
44880	COBALT ALUMINATE	01333-88-6	2-3	L2 for Al. TDI: 1 mg/kg b.w. (as Al) based on PTWI: 7 mg/kg b.w. (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).

REF No	NAME	CAS No	SCF List	SCF Opinion
44960	COBALT OXIDE	11104-61-3	3	L3 for cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992) (CS/PM/1707).
45040	COCONUT OIL FATTY ACIDS DIETHANOLAMIDE (add CAS_N = 68440-04-0)	61790-63-4 68603-42-9 and	7	Same references as 39280.
45060/0	COLZA OIL	08002-13-9	D	
45060/1	COLZA OIL	08002-13-9	D	
45090	COPAL	09000-14-0	9	
45195	COPPER BROMIDE	07787-70-4	1-2	For copper. Group-TDI: 0.5 mg/kg b.w. (as Cu). Based upon: PMTDI 0.5 mg/kg.b.w. (JECFA 26 M., 1982). For brome ADI: 1 mg/kg b.w. (as Br). It occurs also as a pesticide residue. (JMPR, 'Pesticide residues in food', 1988, paper 93/2).

REF No	NAME	CAS No	SCF List	SCF Opinion
45200	COPPER IODIDE	01335-23-5	2	For copper Group-TDI: 0.5 mg/kg b.w. (as Cu). Based upon: PMTDI 0.5 mg/kg b.w. (JECFA 26 M., 1982). For iodium PMTDI: 0.017 mg/kg b.w. (as I). (JECFA 33 M., 1988).
45280	COTTON FIBRES	-	3	Inert, insoluble material.
45360	COTTONSEED OIL	08001-29-4	3/D	Equal to or similar to food fats.
45410	CRESOLS, BUTYLATED	-	9	
45470	CRESOLS, STYRENATED	-	9	
45560	CRISTOBALITE	14464-46-1	3	Inert material.
45600	CROTONIC ACID	03724-65-0	7	Available: gene mutation in mammalian cells, *in vivo* micronucleus test (both negative). Needed: remaining data according to SCF guidelines.
45630	CUMENESULPHONIC ACID	37953-05-2	9	
45680	CYCLOALKANES (0-100 DEGREES CELSIUS)	-	9	
45690	CYCLOHEPTANE	00291-64-5	8	
45700	CYCLOHEXANE	00110-82-7	8	
45710	CYCLOHEXANOL	00108-93-0	8	
45720	CYCLOHEXANONE	00108-94-1	6A	Needed: adequate test for gene mutation and chromosomal aberration. (IARC (1989), 47, 151-169).

REF No	NAME	CAS No	SCF List	SCF Opinion
45760	CYCLOHEXYLAMINE	00108-91-8	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).
45880	CYCLOPENTANE	00287-92-3	8	
45920	DAMAR	09000-16-2	3	Natural wax. Purity to be specified.
45925	DAMAR RESIN	09000-16-2	D	
45930	DAMAR WAX	09000-16-2	D	
45940	n-DECANOIC ACID	00334-48-5	0	Food constituent.
45950	n-DECANOIC ACID, CERIUM SALT	07492-58-2	8	L0 for n-decanoic acid. L8 for cerium.
45960	n-DECANOIC ACID, COBALT SALT	10139-54-5	3	L3 for cobalt. R: 0.05 mg/kg of food. (RIVM, summary data, October 1992) (CS/PM/1707). L0 for n-decanoic acid.
45970	n-DECANOIC ACID, LITHIUM SALT	20336-95-2	2	L0 for n-decanoic acid. Group TDI: 0.01 mg/kg b.w. (as li) See references for 38000 in list 2 in this report.
45980	n-DECANOIC ACID, MANGANESE SALT	10139-57-8	2	L0 for n-decanoic. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180.
45985	DECANOIC ACID, SALTS	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
46050	1-DECANOL	00112-30-1	3	See references for 'Alcohols, aliphatic, monohydric, linear, primary (C4-C24)' (PM/REF.N. 33120) in SCF list 3.
46070	alpha-DEXTRIN	10016-20-3	0	
46080	beta-DEXTRIN	07585-39-9	0	
46160	DIALKYL OR ALKYL (MORE THAN C8) PHOSPHATE	-	9	
46240	DIALKYLDITHIOCARBAMIC ACID, SALTS	-	9	
46320	DIALKYL(C8-C20)KETONES	-	9	
46375	DIATOMACEOUS EARTH	61790-53-2	3	Inert material.
46380	DIATOMACEOUS EARTH, SODA ASH FLUX-CALCINED	68855-54-9	3	Inert material.
46400	DIBENZOTHIAZYL DISULPHIDE	00120-78-5	8	
46440	DIBENZOYL PEROXIDE	00094-36-0	8	
46480	DIBENZYLIDENE SORBITOL	32647-67-9	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 bis(4-ethylbenzylidene) sorbitol.
46560	1,2-DIBROMOETHANE	00106-93-4	5	
46640	2,6-DI-tert-BUTYL-p-CRESOL (=BHT)	00128-37-0	1	ADI: 0.05 mg/kg b.w. (SCF, 22th Series, 1989).

REF No	NAME	CAS No	SCF List	SCF Opinion
46720	2,6-DI-tert-BUTYL-4-ETHYLPHENOL	04130-42-1	3	R = 0.8 mg/dm². Available: 3 negative mutagenicity studies, 90-day oral rat and dog studies, bioaccumulation, calculation of the worst case as well as analytical method. (RIVM 93/6/3330/001, 26 January1993 = CS/PM/2011, TNO, 3 April1995 = CS/PM/2580).
46790	3,5-DI-tert-BUTYL-4-HYDROXYBENZOIC ACID, 2,4-DI-tert-BUTYLPHENYL ESTER	04221-80-1	2	TDI: 2 mg/kg b.w. 90-day oral rat study. (RIVM report, May 1973).
46800	3,5-DI-tert-BUTYL-4-HYDROXYBENZOIC ACID, HEXADECYL ESTER	67845-93-6	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).
46870	3,5-DI-tert-BUTYL-4-HYDROXYBENZYLPHOSPHONIC ACID, DIOCTADECYL ESTER	03135-18-0	2	TDI: 1 mg/kg b.w. A 90-day oral rat study. (Ciba-Geigy report, 14 February 1970).
46880	3,5-DI-tert-BUTYL-4-HYDROXYBENZYLPHOSPHONIC ACID, MONOETHYL ESTER, CALCIUM SALT	65140-91-2	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 July 1978 and CBG 192/781233, 22 March 1979, CBG 261/821163, 4 April 1984).
46960	3,5-DI-tert-BUTYL-4-HYDROXYBENZYLPHOSPHONIC ACID, MONOETHYL ESTER, NICKEL SALT	30947-30-9	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
47040	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	34137-09-2	8	Available: 90-day oral rat and dog studies and a reproduction study were inadequate.
47080	DI-tert-BUTYL PEROXIDE	00110-05-4	8	
47120	DI(tert-BUTYLPHENOL) DISULPHIDE	50696-71-4	8	
47200	2,4-DI-tert-BUTYLPHENYL 3,5-DI-tert-BUTYL-4- HYDROXYBENZOATE	04221-80-1	D	TDI: 2 mg/kg b.w. 90-day oral rat study. (RIVM report, May 1973).
47210	DIBUTYLTHIOSTANNOIC ACID POLYMER	26427-07-6	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.
47220	DIBUTYLTINDILAURATE	00077-58-7	8	
47240	DIBUTYL TITANATE	?	8	
47250	N-1,2-DICARBOXYETHYL-N'-OCTADECYL-SULPHOSUCCINAMIDE, SALTS	-	8	
47265	1,2-DICHLOROBENZENE	00095-50-1	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.

REF No	NAME	CAS No	SCF List	SCF Opinion
47280	DICHLOROCYANURIC ACID	02782-57-2	D	Postponed. waiting for an answer to the circular letter from EEC (CS/PM/324) asking for information on technological function of the substance. Date limit: 30 June 1990.
47360	DICHLORODIFLUOROMETHANE	00075-71-8	7	Needed: migration data and specifications.
47440	DICYANODIAMIDE	00461-58-5	2	TDI: 1 mg/kg b.w. 2-year oral rat and dog studies and Ames tests. (American Cyanamid report 1969).
47535	DIDECYLDIMETHYLAMMONIUM CHLORIDE	07173-51-5	W8	
47550	DIDODECYL KETONE	02123-19-5	8	
47600	DI-n-DODECYLTIN BIS(ISOOCTYL MERCAPTOACETATE)	84030-61-5	2	t-TDI: 0.2 mg /kg b.w. pending results of *in vivo* UDS study on 67360. Available: 10- and 90-day oral rat studies, mutagenicity tests. (RIVM report, 2 April 1990).
47610	DIETHANOLAMIDES OF FATTY ACIDS	-	9	
47620	DIETHANOLAMINE	00111-42-2	W8	Data inadequate. Restriction: contact with nitrite containing food should be avoided.
47630	DIETHANOLAMINE DODECYL SULPHATE	00143-00-0	D	Same as 52400.
47640	DIETHANOLAMINE SALTS OF MONO- AND BIS(1H,1H,2H,2H-PERFLUORO-ALKYL,C8-C18) PHOSPHATES	-	9	
47680	DIETHYLENEGLYCOL	00111-46-6	2	Group TDI: 0.5 mg/kg b.w. (SCF, 17th Series, 1986).

REF No	NAME	CAS No	SCF List	SCF Opinion
47760	DIETHYLENEGLYCOL DIOLEATE	21209-30-3	7	Needed: hydrolysis data.
47840	DIETHYLENEGLYCOL DIPALMITATE	68818-39-3	7	Needed: hydrolysis data.
47920	DIETHYLENEGLYCOL DIRICINOLEATE	74356-18-6	7	Needed: hydrolysis data.
48000	DIETHYLENEGLYCOL DISTEARATE	00109-30-8	7	Needed: hydrolysis data.
48020	DIETHYLENEGLYCOL MONOALKYL(C1-C4) ETHER ACETATE	-	9	
48040	DIETHYLENEGLYCOL MONO- AND DIALKYL(C1-C4) ETHER	-	9	
48065	DIETHYLENEGLYCOL MONOLAURATE	00141-20-8	7	Needed: hydrolysis data.
48080	DIETHYLENEGLYCOL MONOOLEATE	00106-12-7	7	Needed: hydrolysis data.
48160	DIETHYLENEGLYCOL MONOPALMITATE	36381-62-1	7	Needed: hydrolysis data.
48240	DIETHYLENEGLYCOL MONORICINOLEATE	05401-17-2	7	Needed: hydrolysis data.
48320	DIETHYLENEGLYCOL MONOSTEARATE	00106-11-6	7	Needed: hydrolysis data.
48340	DIETHYLENETRIAMINEPENTAACETIC ACID, SODIUM SALTS	-	8	
48370	DIETHYLETHANOLAMINE	00100-37-8	8	
48430	N,N-DIETHYLISOPROPANOLAMINE	04402-32-8	8	
48450	N,N-DIETHYL-1,3-PROPANEDIAMINE	00104-78-9	W8	

REF No	NAME	CAS No	SCF List	SCF Opinion
48460	1,1-DIFLUOROETHANE	00075-37-6	3	Toxicologically acceptable. Available: Migration data, 2 gene mutation tests in bacteria and 1 in Drosophila, chronic toxicity/carcinogenicity rat inhalation study, rat inhalation teratology study. (RIVM/TNO SDS CS/PM/2747, November 1995).
48480	DIGLYCEROL	59113-36-9	8	
48500	DI-n-HEPTADECYL KETONE	00504-53-0	8	
48520	DI-n-HEXADECYL KETONE	22986-69-2	8	
48560	1,4-DIHYDRO-2,6-DIMETHYL-3,5-DICARBODODECYLOXYPYRIDINE	36265-41-5	8	Available: oral studies in rats and dogs were inappropriate.
48590	4,5-DIHYDRO-1-METHYL-2-NORTALLOW ALKYL-3-(2-TALLOW AMIDOETHYL)-IMIDAZOLIUM, METHYL SULPHATE	86088-85-9	W8	
48620	1,4-DIHYDROXYBENZENE	00123-31-9	2	TDI: 0.01 mg/kg b.w. (SCF, 17th Series, 1986).

REF No	NAME	CAS No	SCF List	SCF Opinion
48640	2,4-DIHYDROXYBENZOPHENONE	00131-56-6	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-octoxybenzophenone. 90-day oral rat studies for 2,2'-dihydroxy-4-methoxybenzophenone, 2-hydroxy-4-methoxybenzophenone, 2-hydroxy-4-n-octyloxybenzophenone, a 18-week oral dog study for 2-hydroxy-4-n-octyloxybenzophenoneand 2-year rat and dog studies for 2-hydroxy-4-n-octyloxybenzophenone,a reproduction study for 2-hydroxy-4-n-octyloxybenzophenone plus metabolism. (*J. Occup. Med.*, 1969, 11, 703, *Food Cosm. Tox.*, 1972, 10, 41-50, RIVM report, October 1972).
48720	4,4'-DIHYDROXYBENZOPHENONE	00611-99-4	2	Group TDI: 0.1 mg/kg b.w. See references for 2,4-dihydroxybenzophenone in list 2.
48760	4,4'-DIHYDROXYBIPHENYL	00092-88-6	2	TDI: 0.1 mg/kg. See references for the same compound in monomer report.
48800	2,2'-DIHYDROXY-5,5'-DICHLORODIPHENYLMETHANE	00097-23-4	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).

REF No	NAME	CAS No	SCF List	SCF Opinion
48840	1,6-DIHYDROXY-2,5-HEXANEDIONE	83982-25-6	8	
48880	2,2'-DIHYDROXY-4-METHOXYBENZOPHENONE	00131-53-3	2	Group TDI: 0.1 mg/kg b.w. See references for 2,4-dihydroxy-benzophenone.
48960	9,10-DIHYDROXYSTEARIC ACID	00120-87-6	8	
49040	9,10-DIHYDROXYSTEARIC ACID, METHYL ESTER	01115-01-1	8	
49050	DIISOBUTYL KETONE	00108-83-8	8	Available: no adequate oral data, Ames test.
49055	DIISOBUTYLNAPHTHALENESULPHONIC ACID, SODIUM SALT	27213-90-7	9	No data are available.
49065	DIISOPROPANOLAMINE	00110-97-4	8	R: contact with food containing nitrite should be avoided.
49120	2,4-DIMETHOXY-6-(1-PYRENYL)-1,3,5-TRIAZINE	03271-22-5	7	Needed: information on tissue accumulation.
49160	DIMETHYLACETAMIDE	00127-19-5	6B	Suspected embryotoxicity/teratogenicity.
49200	DIMETHYLALKYL(C8-C18)BENZYLAMMONIUM CHLORIDE	-	9	Existing data are not available to the SCF. Provide them.
49202	DIMETHYLALKYL(C12-C18)BENZYLAMMONIUM CHLORIDE	68391-01-5	9	
49225	DIMETHYLAMINE	00124-40-3	3	R: 0.06 mg/kg of food. Same references for the same substance (16145) in monomer list.
49235	DIMETHYLAMINOETHANOL	00108-01-0	2	TDI: 0.3 mg/kg b.w. See references for same substance (PM/REF. 16150) in monomer report.
49260	((DIMETHYLAMINO)METHYL)PHENOL	25338-55-0	8	
49270	3-(DIMETHYLAMINO)PHENOL	00099-07-0	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
49280	N,N-DIMETHYLANILINE	00121-69-7	8	
49320	N,N-DIMETHYLBENZYLAMINE	00103-83-3	8	
49330	2,4-DIMETHYL-6-tert.-BUTYLPHENOL	01879-09-0	8	
49340	DIMETHYL(COCOALKYL)BENZYLAMMONIUM CHLORIDE	61789-71-7	9	Existing data are not available to the SCF. Provide them.
49360	DIMETHYLDIALKYL(C8-C18)AMMONIUM CHLORIDE	-	9	
49380	N,N-DIMETHYL-1,3-DIAMINOPROPANE	00109-55-7	8	
49425	DIMETHYLDITHIOCARBAMIC ACID, ZINC SALT	00137-30-4	1	ADI: 0.02 mg/kg b.w. The ADI for this pesticide refers to the compound as such. (JMPR, 1980).
49465	DIMETHYLFORMAMIDE	00068-12-2	6B	Suspected of embryotoxicity/teratogenicity. (EHC 114).
49472	N,N-DIMETHYL-2-HYDROXY-N-(2-HYDROXYPROPYL)-1-PROPANAMINIUM, DIESTER WITH VEGETABLE OIL FATTY ACIDS METHYL SULPHATE	95009-13-5	W8	
49480	2,4-DIMETHYL-2-IMIDAZOLINE	00930-61-0	8	
49540	DIMETHYL SULPHOXIDE	00067-68-5	3	DMSO is used as carrier of drugs to facilitate skin penetration.
49560	3,5-DIMETHYL-1,3,5,2H-TETRAHYDROTHIADIAZINE-2-THIONE	00533-74-4	8	Data exist (but confidential).
49580	DIMETHYLTHIANTHRENE	29351-51-7	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
49600	DIMETHYLTIN BIS(ISOOCTYL MERCAPTOACETATE)	26636-01-1	2	Group TDI: 0.003 mg/kg b.w. (as Sn) (with 67520 and 83599). See references for 83599 in list 2.
49680	N,N'-DI-(2-NAPHTHYL)-p-PHENYLENEDIAMINE	00093-46-9	7	Needed: purity specification especially on presence of beta-naphthylamine
49760	DI-n-OCTADECYL 3,5-DI-tert-BUTYL-4-HYDROXYBENZYL PHOSPHONATE	03135-18-0	2/D	TDI: 1 mg/kg b.w. A 90-day oral rat study. (Ciba-Geigy report, 14 February 1970).
49840	DIOCTADECYL DISULPHIDE	02500-88-1	2	TDI: 0.05 mg/kg b.w. A 90-day oral rat study. (Hoechst report, 1967).
49920	DIOCTADECYL 3-METHYL-4-HYDROXY-5-tert-BUTYL BENZYLMALONATE	20297-71-6	8	
50000	DIOCTADECYL MONOSULPHIDE	01844-09-3	8	
50160	DI-n-OCTYLTIN BIS(n-ALKYL(C10-C16) MERCAPTOACETATE)	-	2	Group t-TDI: 0.0003 (as Sn) for all di-n-octyltin derivatives. See references for 50480.
50240	DI-n-OCTYLTIN BIS(2-ETHYLHEXYL MALEATE)	10039-33-5	2	Group t-TDI: 0.0003 (as Sn) for all di-n-octyltin derivatives. See references for 50480.
50320	DI-n-OCTYLTIN BIS(2-ETHYLHEXYL MERCAPTOACETATE)	15571-58-1	2	Group t-TDI = 0.0003 mg/kg b.w. (as Sn) for all di-n-octyltin derivatives. See references for 50480.

REF No	NAME	CAS No	SCF List	SCF Opinion
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.
50400	DI-n-OCTYLTIN BIS(ISOOCTYL MALEATE)	33568-99-9	2	Group t-TDI: 0.0003 mg/kg b.w. (as Sn) for all di-n-octyltin derivatives. See references for 50480.
50480	DI-n-OCTYLTIN BIS(ISOOCTYL MERCAPTOACETATE)	26401-97-8	2-P	Group t-TDI: 0.0003 mg/kg b.w. (as Sn). Available: several oral short-term and semi-chronic 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.
50560	DI-n-OCTYLTIN 1,4-BUTANEDIOL BIS(MERCAPTOACETATE)	-	2	Group t-TDI: 0.0003 mg/kg b.w. (as Sn) for all di-n-octyltin derivatives. See references for 50480.
50640	DI-n-OCTYLTIN DILAURATE	03648-18-8	2	Group t-TDI: 0.0003 mg/kg b.w. (as tin) for all di-n-octyltin derivatives. See references for 50480.
50720	DI-n-OCTYLTIN DIMALEATE	15571-60-5	2	Group t-TDI: 0.0003 mg/kg b.w. (as Sn) for all di-n-octyltin derivatives. See references for 50480.
50800	DI-n-OCTYLTIN DIMALEATE, ESTERIFIED	-	2	Group t-TDI: 0.0003 mg/kg b.w. (as Sn) for all di-n-octyltin derivatives. See references for 50480.

REF No	NAME	CAS No	SCF List	SCF Opinion
50960	DI-n-OCTYLTIN ETHYLENEGLYCOL BIS(MERCAPTOACETATE)	69226-44-4	2	Group t-TDI: 0.0003 mg/kg b.w. (as Sn) for all di-n-octyltin derivatives. See references for 50480.
51040	DI-n-OCTYLTIN MERCAPTOACETATE	15535-79-2	2	Group t-TDI: 0.0003 mg/kg b.w. (as Sn) for all di-n-octyltin derivatives. See references for 50480.
51120	DI-n-OCTYLTIN THIOBENZOATE 2-ETHYLHEXYL MERCAPTOACETATE	-	2	Group t-TDI: 0.0003 mg/kg b.w. (as Sn) for all di-n-octyltin derivatives. See references for 50480.
51160	DIOXANE	00123-91-1	6A	IARC evaluation: group IIb carcinogen. EU classification: Category 3 carcinogen. Primarily to be evaluated as monomer, also used as additive, hence cross-reference. As contaminant (e.g. 46720) in finished products, dioxane should not be detectable in food or food simulants by an appropriate sensitive method.
51200	DIPENTAERYTHRITOL	00126-58-9	2	Group TDI: 1 mg/kg b.w. (with pentaerythritol). (SCF, 17th Series, 1986).
51300	DIPENTENE	00138-86-3	8	Data made available for assessment of chewing gum not available for this group.
51320	2,5-DI-tert-PENTYLHYDROQUINONE	00079-74-3	8	
51360	DIPHENYLAMINE, STYRENATED	68442-68-2	9	
51420	DIPHENYL CARBONATE	00102-09-0	8	
51440	DIPHENYL 2-ETHYLHEXYL PHOSPHITE	15647-08-2	8	
51470	o-DIPHENYL GLYCIDYL ETHER	07144-65-2	D	
51520	DIPHENYL ISOOCTYL PHOSPHITE	26401-27-4	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
51570	DIPHENYL SULPHONE	00127-63-9	7	Available: migration data inadequate, 3 mutagenicity studies negative, 4 week and 3 months oral rat studies. Needed: test for absence of bioaccumulation, migration data, proper test report of the analytical method for the determination of diphenylsulphone in food simulants. (RIVM Doc. 1995-08-22, CS/PM/2651)
51600	DIPHENYLSULPHONE-3,3'-DISULPHONYLHYDRAZIDE	03375-11-9	6A	
51680	N,N'-DIPHENYLTHIOUREA	00102-08-9	2	TDI: 0.05 mg/kg b.w. 28-day, 1-year and 2-year oral rat studies. (RIVM January 1967 and May 1973).
51700	2(4,6-DIPHENYL-1,3,5-TRIAZIN-2-YL)-5-(HEXYLOXY)PHENOL	147315-50-2	3	R = 0.05 mg/kg of food. Available: Adequate migration data, three *in vitro* mutagenicity assays. (RIVM/ISS/TNO SDS, November 1996 = CS/PM/2748).
51760	DIPROPYLENEGLYCOL	25265-71-8 and 110-98-5	2	t-TDI: 1,5 mg/kg b.w. (SCF, 6th Series, 1978).

REF No	NAME	CAS No	SCF List	SCF Opinion
51840	DIPROPYLENEGLYCOL DIBENZOATE	27138-31-4	7	Available: 3-month oral rat and dog studies (inadequate), metabolism, Ames test and migration data. (RIVM 6 September 1988; Velsicol 14 September 1988). Needed: 3-month oral rat study chromosome aberration *in vitro*, gene mutation in mammalian cells.
51870	DIPROPYLENEGLYCOL MONOMETHYL ETHER	34590-94-8	8	Data inadequate.
51900	DISODIUM DODECYL DIPHENYLETHER DISULPHONATE	28519-02-0	8/D	
51940	DIUNDECYL KETONE	00540-09-0	8	
51950	DIURETHANS ARISING FROM HEXAMETHYLENE DIISOCYANATE AND ALCOHOLS ALIPH., MONOH., SAT. (C2-C20)	-	9	
51975	1-DODECANOL	00112-53-8	3	See references for the same substance in monomer list.
52000	DODECYLBENZENESULPHONIC ACID	27176-87-0	2	TDI: 0.5 mg/kg b.w. Two 2-year oral rat studies, mutagenicity studies. (RIVM summary report, March 1965).
52080	DODECYLBENZENESULPHONIC ACID, ISOPROPYLAMINE SALT	26264-05-1	8	
52220	DODECYLPHENOL	27193-86-6	9	
52240	DODECYLPHENOXYBENZENEDISULPHONIC ACID, DISODIUM SALT	28519-02-0	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
52320	2-(4-DODECYLPHENYL)INDOLE	52047-59-3	2	TDI: 0.001 mg/kg b.w. A 90-day oral rat study. (Inst. f. Biol. Forsch. Köln, report 1976).
52400	DODECYLSULPHURIC ACID, DIETHANOLAMINE SALT	00143-00-0	8	For dodecylsulphuric acid L3. Toxicologically acceptable. Same references as for 34281. For diethanolamine L8. Not in contact with food containing nitrite.
52480	DODECYLSULPHURIC ACID, MONOETHANOLAMINE SALT	04722-98-9	D	Covered by 67441.
52560	DODECYLSULPHURIC ACID, SALTS	-	D	Covered by 34295.
52565	DODECYLSULPHURIC ACID, SODIUM SALT	00151-21-3	D	Covered by 34281.
52640	DOLOMITE	16389-88-1	3	Inert material. Purity to be specified.
52650	ELAIDIC ACID	00112-79-8	8	
52685	(3-(2,3-EPOXYPROPOXY)PROPYL)TRIMETHOXYSILANE	02530-83-8	6A	
52720	ERUCAMIDE	00112-84-5	3	See the references for 68960.
52730	ERUCIC ACID	00112-86-7	3	Occurs in small amounts in some vegetable oils.
52760	ESPARTO	08022-48-8	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
52780	ESTERS OF 12-HYDROXYSTEARIC AND STEARIC ACID WITH C20-GUERBET ALCOHOLS	-	W7	Available: 2 mutagenicity studies (negative) and 4-week oral rat study (insufficient for the substances to be used for food contact materials). Needed: detailed information on the method of analysis and on decomposition products, gene mutation in mammalian cells, 3-month oral rat study, bioaccumulation, information on decomposition products from high temperature usage. ((RIVM 1994-10-25 = CS/PM/2581).
52800	ETHANOL	00064-17-5	1	Acceptable. (SCF, 11th Series, 1981).
52880	4-ETHOXYBENZOIC ACID, ETHYL ESTER	23676-09-7	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.
52960	2-ETHOXY-5-tert-BUTYL-2'-ETHYL-4'-tert-BUTYLOXALIC ACID BISANILIDE	35001-51-5	8	
53040	2-ETHOXY-5-tert-BUTYL-2'-ETHYLOXALIC ACID BISANILIDE (=2-ETHOXY-5-tert-BUTYL-2'-ETHYLOXANILIDE)	35001-52-6	8	
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)

REF No	NAME	CAS No	SCF List	SCF Opinion
53120	N-(4-ETHOXYCARBONYLPHENYL)-N'ETHYL-N'-PHENYLFORMAMIDINE	65816-20-8	W8	
53200	2-ETHOXY-2'-ETHYLOXANILIDE	23949-66-8	2	TDI: 0.5 mg/kg b.w. 90-day and 2-year oral rat studies. (Sandoz reports 1973 and 1975).
53215	1-ETHOXY-2-PROPANOL	01569-02-4	8	
53255	ETHYLBENZENE	00100-41-4	3	R: 0.6 mg/kg of food. Available: 6-month rat inhalation study, mutagenicity studies, TDI=0.1 mg/kg b.w. Based on allowing one tenth of TDI for packaging.
53270	ETHYLCARBOXYMETHYLCELLULOSE	37205-99-5	2	Group TDI: not specified based on group ADI (= not specified) for certain modified celluloses. (JECFA 35 M., 1989).
53280	ETHYLCELLULOSE	09004-57-3	2	Group TDI: not specified based on Group ADI (= not specified) for certain modified celluloses. (JECFA 35M., 1989).
53330	N,N'-ETHYLENEBIS(12-HYDROXYSTEARAMIDE)	00123-26-2	8	
53360	N,N'-ETHYLENEBISOLEAMIDE	00110-31-6	3	Chemically similar to 53520 in list 3.
53440	N,N'-ETHYLENEBISPALMITAMIDE	05518-18-3	3	90-day oral monkey study. Chemically similar to N'N-ethylene bisstearammide.
53520	N,N'-ETHYLENEBISSTEARAMIDE	00110-30-5	3	Two inadequate 2-year oral rat studies and low migration (Hoechst report 13/05, 1963).
53540	ETHYLENEDIAMINE	00107-15-3	2	TDI: 0.2 mg/kg b.w. Two 90-day oral rat studies. (ICI report, April 1975).

REF No	NAME	CAS No	SCF List	SCF Opinion
53600	ETHYLENEDIAMINETETRAACETIC ACID	00060-00-4	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)
53610	ETHYLENEDIAMINETETRAACETIC ACID, COPPER SALT	54453-03-1	2	Group TDI: 0.5 mg/kg.b.w. (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).
53650	ETHYLENEGLYCOL	00107-21-1	2	Group TDI: 0.5 mg/kg b.w. (with diethyleneglycol). (SCF, 17th Series, 1986).
53720	ETHYLENEGLYCOL MONOALKYL(C1-C4) ETHER ACETATE	-	9	
53765	ETHYLENEGLYCOL MONOBUTYL ETHER	00111-76-2	2	Group t-TDI: 0.05 mg/kg b.w. (with 15780 = 48050, 16993 = 53765, 16996 = 53820, 16999, 17002 = 53860, 30015, 30120, 30200, 48030).
53800	ETHYLENEGLYCOL MONO- AND DIALKYL(C1-C4) ETHER	-	9	
53820	ETHYLENEGLYCOL MONOETHYL ETHER	00110-80-5	2	Group t-TDI: 0.05 mg/kg b.w. (with 15780 = 48050, 16993 = 53765, 16996 = 53820, 16999, 17002 = 53860, 30015, 30120, 30200, 48030). See references for 16996.
53860	ETHYLENEGLYCOL MONOMETHYL ETHER	00109-86-4	2	Group t-TDI: 0.05 mg/kg b.w. (with 15780 = 48050, 16993 = 53765, 16996 = 53820, 16999, 17002 = 53860, 30015, 30120, 30200, 48030).
53950	ETHYLENEIMINE	00151-56-4	4	See references for same substance in monomer report.
54005	ETHYLENE-N-PALMITAMIDE-N'-STEARAMIDE	05136-44-7	3	Chemically similar to 53520 in list 3.

REF No	NAME	CAS No	SCF List	SCF Opinion
54120	2-ETHYLHEXANOIC ACID	00149-57-5	6B	Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg of food, peroxisome proliferation study too.
54130	2-ETHYLHEXANOIC ACID, CERIUM SALT	24593-34-8	6B	L6B for 2-ethylhexanoic acid Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg of food, peroxisome proliferation study too. L8 for cerium.
54140	2-ETHYLHEXANOIC ACID, COBALT(II) SALT	00136-52-7	6B	L3 for cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, 0ctober 1992) (CS/PM/1707). L6B for 2-ethylhexanoic acid. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg of food, peroxisome proliferation study too.

REF No	NAME	CAS No	SCF List	SCF Opinion
54150	2-ETHYLHEXANOIC ACID, COBALT SALT	13586-82-8	6B	L3 for cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992) (CS/PM/1707). L6B for 2-ethylhexanoic acid. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg of food, peroxisome proliferation study too.
54170	2-ETHYLHEXANOIC ACID, DECYL ESTER	93777-46-9	6B	L0 for n-decanoic acid. L6B for 2-ethylhexanoic acid. Needed: toxicological data depending on migration level (SCF guidelines) and, if migration exceeds 0.05 mg/kg of food, peroxisome proliferation study too.
54180	2-ETHYLHEXANOIC ACID, LITHIUM SALT	15590-62-2	6B	L2 for lithium. Group TDI: 0.01 mg/kg b.w. (as Li). For lithium, see references of 38000 in L2 of this report. L6B for 2-ethylhexanoic acid. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg of food, peroxisome proliferation study too.

REF No	NAME	CAS No	SCF List	SCF Opinion
54190	2-ETHYLHEXANOIC ACID, MANGANESE SALT	15956-58-8	6B	L2 for Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report. L6B for 2-ethylhexanoic acid. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg of food, peroxisome proliferation study too.
54220	2-ETHYLHEXANOIC ACID, ZIRCONIUM SALT	22464-99-9	6B	L6B for 2-ethylhexanoic. Needed: same as 17040. L7 for zirconium. Available: Oral life span study in mice and rats and oral studies in rabbits and dogs (reports not seen). Needed: migration data and toxicity data according to SCF guidelines. (RIVM doc; (CS/PM/2091)).
54260	ETHYLHYDROXYETHYLCELLULOSE	09004-58-4	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).

REF No	NAME	CAS No	SCF List	SCF Opinion
54300	2,2'-ETHYLIDENEBIS(4,6-DI-tert-BUTYL PHENYL) FLUOROPHOSPHONITE	118337-09-0	2	TDI: 0.1 mg/kg b.w. 3 month oral dog and 3 month combined oral fertility study in rats. Mutagenicity tests negative. (doc. CS/PM/841)
54325	2-ETHYL-4-METHYLIMIDAZOLE	00931-36-2	8	
54365	ETHYLTOLUENE	25550-14-5	8	
54380	N-ETHYLTOLUENESULPHONAMIDE	08047-99-2	8	
54395	ETHYLTRIPHENYLPHOSPHONIUM ACETATE	35835-94-0	8	
54420	ETHYLVANILLIN	00121-32-4	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	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	

REF No	NAME	CAS No	SCF List	SCF Opinion
54670	FATTY ACIDS, SOYA, CERIUM SALTS	08030-94-2	8	L3 for fatty acids soya. Constituents of food fats. L8 for cerium.
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). L3 for fatty acids, soya. Constituents of natural fats.
54680/1	FATTY ACIDS, SOYA, LITHIUM SALTS	-	2-3	L3 for fatty acids, soya. Constituents of natural fats. L2 for lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 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 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?).
54690/1	FATTY ACIDS, SOYA, PROPYLENEGLYCOL MONOESTER	-	9	L9 for propyleneglycol ester (1,2 or 1,3 ester?).

REF No	NAME	CAS No	SCF List	SCF Opinion
54700/0	FATTY ACIDS, SOYA, SALTS	-	3	L3. Toxicologically acceptable.
54705	FATTY ACIDS, SOYA, ZIRCONIUM SALTS	-	7	L3 for fatty acids soya. Constituents of food fats. L7 for zirconium. See references for 54220.
54710/1	FATTY ACIDS, TALL OIL	61790-12-3	3	
54725/1	FATTY ACIDS, TALL OIL, CERIUM SALTS	-	D	
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 lithium. Group TDI: 0.01 mg/kg b.w. See references for 38000 in L2 in this report.

REF No	NAME	CAS No	SCF List	SCF Opinion
54735/1	FATTY ACIDS, TALL OIL, LITHIUM SALTS	-	2-3	L3 for fatty acids tall oil. L2 for lithium. Group TDI: 0.01 mg/kg b.w. See references for 38000 in L2 in this report.
54740/0	FATTY ACIDS TALL OIL, MANGANESE SALTS	-	D	L3 for fatty acids, tall oil (food grade quality). Constituents of natural fats. L2 for Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.
54740/1	FATTY ACIDS, TALL OIL, MANGANESE SALTS	08030-70-4	2-3	L3 for fatty acids tall oil. L2 for Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.
54750	FATTY ACIDS, TALL OIL, ZIRCONIUM SALTS	-	7	L3 for fatty acids tall oil. L7 for zirconium. See references for 54220.
54750/0	FATTY ACIDS, TALL OIL, ZIRCONIUM SALTS	-	D	
54760	FATTY ACIDS, TALLOW, HYDROGENATED	61790-38-3	3	
54766	FATTY ACIDS, TALLOW, HYDROGENATED, 2-ETHYLHEXYLESTER	115438-43-2	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
54770	FATTY ACIDS, TALLOW, PROPYLENEGLYCOL MONOESTER	-	9	
54780	FATTY ACIDS, TALLOW, SULPHATED	-	9	
54785	FATTY ACIDS, UNSATURATED, C18, DERIVED FROM ANIMAL AND VEGETABLE FATS AND OILS, DIMERS	-	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	
54805	FATTY ACIDS, UNSATURATED, C18, DERIVED FROM TALL OIL, TRIMERS	-	9	
54840	FLUORINE	07782-41-4	W	
54860	FLUOROSILICIC ACID	16961-83-4	7	Needed: use levels, migration data.
54880	FORMALDEHYDE	00050-00-0	3	See references for the same substance in monomer list. (SCF, 17th Series, 1986).
55040	FORMIC ACID	00064-18-6	1	Group ADI: 3 mg/kg b.w. for formic acid and ethyl formate. (JECFA 17 M., 1973).
55120	FUMARIC ACID	00110-17-8	1	ADI: 6 mg/kg b.w. (SCF, 25th Series, 1990).
55160	FURFUROL	00098-00-0	8	
55190	GADOLEIC ACID	29204-02-2	0	

REF No	NAME	CAS No	SCF List	SCF Opinion
55200	GALLIC ACID, DODECYL ESTER	01166-52-5	1	Group ADI: 0.5 mg/kg b.w. for gallic acid, octyl ester and gallic acid, propyl ester. (SCF, 22th Series, 1989).
55280	GALLIC ACID, OCTYL ESTER	01034-01-1	1	Group ADI: 0.5 mg/kg b.w. for gallic acid, dodecyl ester and gallic acid, propyl ester. (SCF, 22th Series, 1989).
55360	GALLIC ACID, PROPYL ESTER	00121-79-9	1	Group ADI: 0.5 mg/kg b.w. for gallic acid, dodecyl ester and gallic acid, octyl ester. (SCF, 22th Series, 1989).
55440	GELATIN	09000-70-8	0	
55520	GLASS FIBRES	-	3	Inert material.
55600	GLASS MICROBALLS	-	3	Inert material.
55660	GLUTARADIALDEHYDE	00111-30-8	8-P	
55680	GLUTARIC ACID	00110-94-1	0	
55760	GLUTARIC ACID, DIISODECYL ESTER	29733-18-4	8	
55840	GLUTARIC ACID, DIISOOCTYL ESTER	28880-25-3	8	
55880	GLUTARIC ACID, DIMETHYL ESTER	01119-40-0	7	Needed: hydrolysis data.
55920	GLYCEROL	00056-81-5	1	Group ADI: not specified for glycerol, glycerol diacetate, glycerol triacetate and glycerol monoacetate. (SCF, 11th Series, 1981).
56000	GLYCEROL DIACETATE	25395-31-7	1	Group ADI: not specified for glycerol, glycerol diacetate, glycerol triacetate and glycerol monoacetate. (SCF, 11th Series, 1981).
56020	GLYCEROL DIBEHENATE	99880-64-5	3	Toxicologically acceptable.

REF No	NAME	CAS No	SCF List	SCF Opinion
56040	GLYCEROL DIBUTYRATE	-	3	Toxicologically acceptable.
56055	GLYCEROL DILAURATE	27638-00-2	3	Toxicologically acceptable.
56070	GLYCEROL DIMYRISTATE	53563-63-6	3	Toxicologically acceptable.
56080	GLYCEROL DIOLEATE	25637-84-7	1	ADI: not specified. (JECFA 17 M., 1973).
56120	GLYCEROL DIPALMITATE	26657-95-4	3	Toxicologically acceptable.
56160	GLYCEROL DIPROPIONATE	26402-29-9	3	Toxicologically acceptable.
56240	GLYCEROL DIRICINOLEATE	27902-24-5	3	.....
56320	GLYCEROL DISTEARATE	01323-83-7	1	ADI: not specified. (JECFA 17 M., 1973).
56400	GLYCEROL, ESTERS WITH ACIDS, ALIPH., MONOCARB. (MORE THAN C6)	-	9	
56480	GLYCEROL, ESTERS WITH ACIDS, ALIPH., MONOCARB., HYDROXYLATED (C12-C20)	-	9	
56485	GLYCEROL, ESTERS WITH ACIDS, ALIPH.,SAT.(C14-C18) AND ACIDS, ALIPH. UNSAT (C16-C18)	91052-28-7	9	
56486	GLYCEROL, ESTERS WITH ACIDS, ALIPH.,SAT., LINEAR WITH AN EVEN NUMBER OF CARBON ATOMS (C14-C18) AND WITH ACIDS ALIPH., UNSAT., LINEAR, WITH AN EVEN NUMBER OF CARBON ATOMS (C16-C18)	-	3	Toxicologically acceptable.
56490	GLYCEROL, ESTERS WITH ERUCIC ACID	-	3	Toxicologically acceptable.

REF No	NAME	CAS No	SCF List	SCF Opinion
56495	GLYCEROL ESTERS WITH 12-HYDROXYSTEARIC ACID	-	3	Toxicologically acceptable.
56500	GLYCEROL, ESTERS WITH LAURIC ACID	-	3	Toxicologically acceptable.
56510	GLYCEROL, ESTERS WITH LINOLEIC ACID	-	3	Toxicologically acceptable.
56520	GLYCEROL, ESTERS WITH MYRISTIC ACID	-	3	Toxicologically acceptable.
56530	GLYCEROL, ESTERS WITH NATURAL FATTY ACIDS	-	9	
56535	GLYCEROL, ESTERS WITH NONANOIC ACID	-	3	Toxicologically acceptable.
56540	GLYCEROL, ESTERS WITH OLEIC ACID	-	3	Toxicologically acceptable.
56550	GLYCEROL, ESTERS WITH PALMITIC ACID	-	3	Toxicologically acceptable.
56580	GLYCEROL, ESTERS WITH RICINOLEIC ACID	-	3	Toxicologically acceptable.
56590	GLYCEROL, ESTERS WITH ACIDS, LINEAR, WITH AN EVEN NUMBER OF CARBON ATOMS (C8-C18)	-	3/D	Toxicologically acceptable.
56600	GLYCEROL MONOACETATE	26446-35-5	1	Group ADI: not specified for glycerol, glycerol diacetate, glycerol triacetate and glycerol monoacetate. (SCF, 11th Series, 1981).
56610	GLYCEROL MONOBEHENATE	30233-64-8	3	Toxicologically acceptable.
56640	GLYCEROL MONOBUTYRATE	26999-06-4	3	Toxicologically acceptable.
56670	GLYCEROL MONOCITRATE	-	3	Toxicologically acceptable.

REF No	NAME	CAS No	SCF List	SCF Opinion
56720	GLYCEROL MONOHEXANOATE	26402-23-3	3	Toxicologically acceptable.
56760	GLYCEROL MONO(12-HYDROXYSTEARATE)	01323-43-9	3	Toxicologically acceptable.
56780	GLYCEROL MONOLAURATE	27215-38-9	3	Toxicologically acceptable.
56800	GLYCEROL MONOLAURATE DIACETATE	30899-62-8	3	Chemically similar to natural fats.
56840	GLYCEROL MONOMYRISTATE	27214-38-6	3	Toxicologically acceptable.
56880	GLYCEROL MONOOCTANOATE	26402-26-6	3	Toxicologically acceptable.
56960	GLYCEROL MONOOLEATE	25496-72-4	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	GLYCEROL MONOPALMITATE	26657-96-5	3	Toxicologically acceptable.
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	GLYCEROL MONOPROPIONATE	26894-50-8	3	Toxicologically acceptable.
57440	GLYCEROL MONORICINOLEATE	01323-38-2	3	Toxicologically acceptable.

REF No	NAME	CAS No	SCF List	SCF Opinion
57520	GLYCEROL MONOSTEARATE	31566-31-1	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	GLYCEROL TRIACETATE	00102-76-1	1	Group ADI: not specified for glycerol, glycerol diacetate, glycerol triacetate and glycerol monoacetate. (SCF, 11th Series, 1981).
57800	GLYCEROL TRIBEHENATE	18641-57-1	3	Toxicologically acceptable.
57840	GLYCEROL TRIBUTYRATE	00060-01-5	3	Toxicologically acceptable.
57880	GLYCEROL, TRIESTERS WITH ACIDS, ALIPH., MONOCARB. (MORE THAN C6)	-	9	
57920	GLYCEROL TRIHEPTANOATE	00620-67-7	3	Toxicologically acceptable.
57960	GLYCEROL TRILAURATE	00538-24-9	3	Toxicologically acceptable.
58000	GLYCEROL TRIMONTANATE	68476-38-0	7	Needed: hydrolysis data.
58040	GLYCEROLTRIMYRISTATE	00555-45-3	3	Toxicologically acceptable.
58060	GLYCEROL TRIPALMITATE	00555-44-2	3	Toxicologically acceptable.
58080	GLYCEROL TRIPROPIONATE	00139-45-7	3	Toxicologically acceptable.
58160	GLYCEROL TRIS(12-HYDROXYSTEARATE)	00139-44-6	3	Toxicologically acceptable.
58240	GLYCEROL TRISTEARATE	00555-43-1	3	Toxicologically acceptable.

REF No	NAME	CAS No	SCF List	SCF Opinion
58260	GLYCEROPHOSPHORIC ACID, CALCIUM SALT	27214-00-2	7	Needed: hydrolysis data.
58280	GLYCEROPHOSPHORIC ACID, MAGNESIUM SALT	00927-20-8	3	Toxicologically acceptable.
58300	GLYCINE, SALTS	-	1	ADI: acceptable. (SCF, 25th Series, 1991).
58320	GRAPHITE	07782-42-5	3	Inert material.
58360	GUAIAC GUM	09000-29-7	1	ADI: 2.5 mg/kg b.w. (JECFA, 17M, 1973).
58360/1	GUAIAC GUM	09000-29-7	D	Deleted.
58400	GUAR GUM	09000-30-0	1	ADI: not specified. (SCF, 7th Series, 1978).
58480	GUM ARABIC	09000-01-5	1	ADI: not specified. (JECFA, 35 M., 1989).
58560	GUMS, NATURAL	-	9	
58640	2-HEPTADECYL-4,4'-BIS(METHYLENE STEARATE)-1,3- OXAZOLINE	15655-33-1	7	Needed: report of 90-day oral study (BIBRA).
58680	n-HEPTANE	00142-82-5	8	
58720	HEPTANOIC ACID	00111-14-8	3	Fatty acid from food.
58740	HEPTANOIC ACID, LITHIUM SALT	16761-13-0	2-3	L3 for heptanoic acid. L2 for lithium. TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.

REF No	NAME	CAS No	SCF List	SCF Opinion
58760	HEPTANOIC ACID, MANGANESE SALT	-	2-3	L3 for heptanoic acid. See references for 58720 in list 3. L2 for Mn. TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in list 2.
58770	HEXABROMOCYCLODODECANE	25637-99-4	5	
58790	1-HEXADECANOL	36653-82-4	3	See references for 'Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C24)' (PM/REF.N. 33120) in SCF list 3.
58800	HEXADECYL 3,5-DI-tert-BUTYL-4-HYDROXYBENZOATE	67845-93-6	D	
58880	HEXADECYLPYRIDINIUM CHLORIDE	00123-03-5	8	
58960	HEXADECYLTRIMETHYLAMMONIUM BROMIDE	00057-09-0	2	TDI: 0.1 mg/kg b.w. 400-day oral rat study. (RIVM report, September 1978).
59120	1,6-HEXAMETHYLENEBIS(3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL)PROPIONAMIDE)	23128-74-7	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, 24 January 1989).
59200	1,6-HEXAMETHYLENE BIS(3-(3,5-DI-tert-BUTYL-4-HY DROXYPHENYL)PROPIONATE)	35074-77-2	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).

REF No	NAME	CAS No	SCF List	SCF Opinion
59240	HEXAMETHYLENEDIAMINE	00124-09-4	2	TDI: 0.04 mg/kg b.w. See references for the same substance in monomer report.
59280	HEXAMETHYLENETETRAMINE	00100-97-0	3	See references for the same substance in monomer list.
59330	n-HEXANE	00110-54-3	8	
59332	HEXANE (isomers)	-	9	
59360	HEXANOIC ACID	00142-62-1	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	
59520	2-HEXYLDECANOL	02425-77-6	8	
59600	HEXYLENEGLYCOL	00107-41-5	7	Needed: purity, physicochemical state, migration data.
59640	HIDE GLUE	-	9	
59760	HUNTITE	19569-21-2	3	Inert, insoluble material.
59810	HYDROABIETYL ALCOHOL	?	8	
59825	HYDROCARBONS, ALIPHATIC UP TO C8	-	9	
59840	HYDROCARBONS, ALIPHATIC, (C10-C14) (B.P. 180-260 °C)	-	9	
59870	HYDROCARBONS, ALIPHATIC (BOILING POINT UP TO 160°C)	-	9	Specifications on identity.

REF No	NAME	CAS No	SCF List	SCF Opinion
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.
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	
59935	HYDROCARBONS (B.P. 180-260 °C, HYDROGENATED)	-	9	
59950	HYDROCARBONS (B.P. 180-260 °C, CONVENTIONAL)	-	D	
59980	HYDROCARBON WAX, OXIDISED	-	9	
59990	HYDROCHLORIC ACID	07647-01-0	1	ADI: not specified. (SCF, Rx).
60005	HYDROCHLORIC ACID, SALTS	-	D	Deleted because the acid appears in the list.
60030	HYDROMAGNESITE	12072-90-1	3	Inert material. Purity to be specified.
60080	HYDROTALCITE	12304-65-3	3	Inert, insoluble material.
60120	4-HYDROXYBENZOIC ACID, BENZYL ESTER	00094-18-8	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
60160	4-HYDROXYBENZOIC ACID, ETHYL ESTER	00120-47-8	1	Group ADI: 10 mg/kg b.w. for ethyl, methyl and propyl esters. (SCF, 1st Series, 1975).
60180	4-HYDROXYBENZOIC ACID, ISOPROPYL ESTER	04191-73-5	2	Group-TDI: 10 mg/kg b.w. based on group ADI = 10 mg/kg b.w. for ethyl, methyl and propyl esters.
60200	4-HYDROXYBENZOIC ACID, METHYL ESTER	00099-76-3	1	Group ADI: 10 mg/kg b.w. for ethyl, methyl and propyl esters. (SCF, 1st Series, 1975).
60240	4-HYDROXYBENZOIC ACID, PROPYL ESTER	00094-13-3	1	Group ADI: 10 mg/kg b.w. for ethyl, methyl and propyl esters. (SCF, 1st Series, 1975).
60320	2-(2-HYDROXY-3,5-BIS(1,1-DIMETHYLBENZYL)PHENYL)BENZOTRIAZOLE	70321-86-7	2	TDI: 0.025 mg/kg b.w. 90-day oral rat study, 3 mutagenicity studies. (RIVM doc. 27 October 1987).
60400	2-(2-HYDROXY-3-tert-BUTYL-5-METHYLPHENYL)-5-CHLOROBENZOTRIAZOLE	03896-11-5	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	2-(2-HYDROXY-3,5-DI-tert-BUTYLPHENYL)-5-CHLOROBENZOTRIAZOLE	03864-99-1	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	HYDROXYETHYLCELLULOSE	09004-62-0	2	Group TDI: not specified based on Group ADI (= not specified) for certain modified celluloses. (JECFA 35 M., 1989).
60640	N-(2-HYDROXYETHYL)ETHYLENEDIAMINE TRIACETIC ACID	00150-39-0	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
60880	HYDROXYETHYLMETHYLCELLULOSE	09032-42-2	2	Group TDI: not specified based on Group ADI (= not specified) for certain modified celluloses. (JECFA 35 M., 1989).
60920	N-(2-HYDROXYETHYL)MORPHOLINE	00622-40-2	5	
60960	HYDROXYETHYLOCTADECYLAMINE	-	8	
61040	N-(2-HYDROXYETHYL)OLEAMIDE	00111-58-0	8	
61055	2-HYDROXYETHYL PHENYL ETHER	00122-99-6	8	
61070	N-(2-HYDROXYETHYL)PIPERIDINE	03040-44-6	8	
61100	N-(2-HYDROXYETHYL)PYRROLIDINE	02955-88-6	8	
61120	HYDROXYETHYL STARCH	09005-27-0	2	Group TDI: not specified. (JECFA 26 M., 1982).
61280	2-HYDROXY-4-n-HEXYLOXYBENZOPHENONE	03293-97-8	2	Group TDI: 0.1 mg/kg b.w. See references for 2,4-dihydroxybenzophenone.
61340	HYDROXYMETHANESULPHINIC ACID, SODIUM SALT	00149-44-0	8	
61360	2-HYDROXY-4-METHOXYBENZOPHENONE	00131-57-7	2	Group TDI: 0.1 mg/kg b.w. See references for 2,4-dihydroxybenzophenone.
61390	HYDROXYMETHYLCELLULOSE	37353-59-6	2	Group TDI: not specified based on Group ADI (= not specified) for certain modified celluloses. (JECFA 35 M., 1989).
61415	4-HYDROXY-4-METHYL-2-PENTANONE	00123-42-2	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
61440	2-(2-HYDROXY-5-METHYLPHENYL)BENZOTRIAZOLE	02440-22-4	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).
61520	2-HYDROXYOCTADECANESULPHONIC ACID, SODIUM SALT	04710-34-3	8	
61600	2-HYDROXY-4-n-OCTYLOXYBENZOPHENONE	01843-05-6	2	Group TDI: 0.1 mg/kg b.w. See references for 2,4-dihydroxybenzophenone in list 2.
61680	HYDROXYPROPYLCELLULOSE	09004-64-2	2	Group TDI: not specified based on Group ADI (= not specified) for certain modified celluloses. (JECFA 35 M., 1989).
61760	HYDROXYPROPYLMETHYL CELLULOSE	09004-65-3	D	Group TDI: not specified based on Group ADI (= not specified) for certain modified celluloses. (JECFA 35 M., 1989).
61800	HYDROXYPROPYL STARCH	09049-76-7	1	ADI: not specified. (SCF, 13th Series, 1982).
61840	12-HYDROXYSTEARIC ACID	00106-14-9	0	
61880	12-HYDROXYSTEARIC ACID, DIESTER WITH GLYCEROL	78616-19-0	3	Toxicologically acceptable.
62000	12-HYDROXYSTEARIC ACID, ESTERS WITH GLYCEROL	-	D	Toxicologically acceptable.

REF No	NAME	CAS No	SCF List	SCF Opinion
62040	12-HYDROXYSTEARIC ACID, TRIESTER WITH GLYCEROL	00139-44-6	D	
62110	HYPOCHLOROUS ACID, SODIUM SALT	07681-52-9	6A	Positive in several mutagenicity studies. (RIVM doc. CS/PM/2093).
62140	HYPOPHOSPHOROUS ACID	06303-21-5	3	Easily oxidised to phosphoric acid.
62160	HYPOPHOSPHOROUS ACID, SODIUM SALT	07681-53-0	3	Easily oxidised to phosphorous acid.
62175	INDIUM TRICHLORIDE	10025-82-8	8	
62190	INVERT SUGAR	08013-17-0	0	
62210	3-IODO-2-PROPYNYL BUTYL CARBAMATE	55406-53-6	2	TDI: 0.15 mg/kg b.w. Available: Four mutagenicity tests, negative. 3-month and 1-year oral rat studies, oral carcinogenicity studies in mice and rats and a 2-generation oral reproduction study in rats. Metabolism studies. Migration data. (RIVM SDS of May 1996 = CS/PM/2811). NB: No analytical method available. NB: Other uses as pesticide should be taken into account.
62220	IRON(II) DIAMMONIUM BISULPHATE	10045-89-3	3	Iron maximum provisional tolerable daily intake 0.8 mg/kg b.w. (27th M, JECFA, 1983).
62240	IRON OXIDE	01332-37-2	2	ADI: not specified. (SCF, 1st Series, 1975).
62255	ISOBUTANE	00075-28-5	3	Volatile.

REF No	NAME	CAS No	SCF List	SCF Opinion
62270	ISOBUTANOL	00078-83-1	8	Residue less than 1 mg/kg in food. No mutagenicity or oral data. (Directive 88/344/EEC)
62305	1-ISOBUTOXY-2-PROPANOL	23436-19-3	8	
62315	ISOBUTYRIC ACID, DIESTER WITH 2-METHYL-2,4-PENTANEDIOL	-	8	Data exist (but confidential). Provide data.
62325	ISOBUTYRIC ACID, MONOESTER WITH 2-METHYL-2,4-PENTANEDIOL	-	8	Data exist (but confidential). Provide data.
62340	ISODECANOIC ACID, CERIUM SALT	?	9	L9 for isodecanoic acid. L8 for cerium.
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 lithium. Group TDI: 0.01 mg/kg b.w. See references for 38000 in L2 in this report.
62370	ISODECANOIC ACID, MANGANESE SALT	?	9	L9 for isodecanoic acid. L2 for Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.

REF No	NAME	CAS No	SCF List	SCF Opinion
62380	ISODECANOIC ACID, SALTS	-	9	
62390	ISODECANOIC ACID, ZIRCONIUM SALT	?	7-9	L9 for isodecanoic acid. L7 for zirconium. See references for 54220.
62405	ISODODECANE	31807-55-3	9	
62420	ISOOCTANOIC ACID	25103-52-0	8	
62435	ISOOCTYL EPOXYSTEARATE	11087-88-0	6A	
62450	ISOPENTANE	00078-78-4	3	Volatile.
62480	ISOPROPANOL	00067-63-0	D	
62500	1,1(ISOPROPYLIDENEBIS(p-PHENYLENEOXY))-BIS(3-(p-(2,3-EPOXYPROPOXY)-alpha,alpha-DIMETHYLBENZYL)PHENOXY))2-PROPANOL	-	6A	
62520	4,4'-ISOPROPYLIDENEBIS(2-tert-BUTYLPHENOL)	?	8	
62560	4,4'-ISOPROPYLIDENEDIPHENYLALKYL(C12-C15)PHOSPHITES	92908-32-2	9	
62620	ISOSTEARIC ACID	30399-84-9 and 2724-58-5	8	
62640	JAPAN WAX	08001-39-6	3	Refined, natural wax. Purity to be specified.
62720	KAOLIN	01332-58-7	1	ADI: not specified. (SCF, 25th Series, 1990).
62800	KAOLIN, CALCINED	-	3	Inert material.

REF No	NAME	CAS No	SCF List	SCF Opinion
62830	KARAYA GUM	09000-36-6	1	ADI: 12.5 mg/kg b.w. (SCF, 21st Series, 1989).
62830/1	KARAYA GUM	09000-36-6	D	
62860	KEROSENE	08008-20-6	9	
62960	LACTIC ACID	00050-21-5	1	ADI: not specified. (SCF, 25th Series, 1990).
63040	LACTIC ACID, BUTYL ESTER	00138-22-7	2	Group TDI = not specified. Similarity with lactic acid, ethyl ester for which an ADI not specified was established by JECFA 26 M., 1982.
63200	LACTIC ACID, MANGANESE SALT	51877-53-3	1-2	L1 for lactic acid. ADI: not specified. (SCF, 25th Series, 1991). L2 for manganese. Group TDI: 0.01 mg/kg b.w. (as Mn) See references for acetic acid, manganese(II) salt (PM/REF.N. 30180) in list 2.
63240	LANOLIN (Pharmacopeia grade)	08006-54-0	0	
63260	LARD OIL, SULPHATED, AMMONIUM SALT	91079-06-0	9	
63280	LAURIC ACID	00143-07-7	0	
63360	LAURIC ACID, DIESTER WITH ETHYLENEGLYCOL	00624-04-4	7	Needed: hydrolysis data.
63440	LAURIC ACID, MONOESTER WITH ETHYLENEGLYCOL	04219-48-1	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
63480	LAURIC ACID, MONOESTER WITH SORBITAN	01338-39-2	D	
63520	LAURIC ACID, MONOESTER WITH TRIETHANOLAMINE	01793-68-6	7	Needed: hydrolysis data.
63600	N-LAUROYLSARCOSINE	00097-78-9	8	
63760	LECITHIN	08002-43-5	1	ADI: not specified. (JECFA 17 M., 1973).
63800	LECITHIN, HYDROXYLATED	08029-76-3	9	
63840	LEVULINIC ACID	00123-76-2	0	
63880	LIGHT PETROLEUM HYDROCARBONS, ODOURLESS	-	9	Specifications on identity.
63920	LIGNOCERIC ACID	00557-59-5	0	
63940	LIGNOSULPHONIC ACID	-	P	
63970	d-LIMONENE	05989-27-5	8	
63974	l-LIMONENE	05989-54-8	8	
64000	LINOLEAMIDE	03999-01-7	8	
64015	LINOLEIC ACID	00060-33-3	0	
64030	LINOLEIC ACID, CERIUM SALT	07492-60-6	8	L0 for linoleic acid. L8 for cerium.

REF No	NAME	CAS No	SCF List	SCF Opinion
64060	LINOLEIC ACID, COBALT SALT	14666-96-7	3	L3 for cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992) (CS/PM/1707). L0 for linoleic acid.
64080	LINOLEIC ACID, ESTERS WITH ALCOHOLS, ALIPH., MONOH.	-	9	
64100	LINOLEIC ACID, LITHIUM SALT	74488-09-8	2	L0 for linoleic acid. L2 for lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.
64115	LINOLEIC ACID, MANGANESE SALT	06904-78-5	2	L0 for linoleic acid. L2 for Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.
64130	LINOLEIC ACID, SALTS	-	0	
64145	LINOLEIC ACID, ZIRCONIUM SALT	?	7	LO for linoleic acid. L7 for zirconium. See references for 54220.
64150	LINOLENIC ACID	28290-79-1	0	
64160	LINSEED OIL	08001-26-1	3	Food fat.

REF No	NAME	CAS No	SCF List	SCF Opinion
64240	LINSEED OIL, EPOXIDISED (OXIRANE LESS THAN 10 %, IODINE NUMBER LESS THAN 6)	08016-11-3	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. (NB: Epoxidised linseed oil cannot be covered by data on epoxidised soya bean oil).
64270	LITHIUM CHLORIDE	07447-41-8	2	Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in list 2.
64300	LITHIUM HYDROXIDE	01310-65-2	2	Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in list 2.
64320	LITHIUM IODIDE	10377-51-2	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 b.w. (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 126/79 October 1979). For Li see references for benzoic acid, lithium salt in list 2.
64350	LITHIUM OXIDE	12057-24-8	2	Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.
64400	LITHOPONE	01345-05-7	3	Free from water soluble barium. Insoluble, inert material.

REF No	NAME	CAS No	SCF List	SCF Opinion
64480	MAGNESIUM ALUMINIUM HYDROXIDE CARBONATE	11097-59-9	D	Inert, insoluble material.
64500	LYSINE, SALTS	-	0	
64560	MAGNESIUM CHLORIDE	07786-30-3	1/D	ADI: not specified. (SCF, Rx).
64640	MAGNESIUM HYDROXIDE	01309-42-8	1	ADI: not specified. (SCF, Rx).
64720	MAGNESIUM OXIDE	01309-48-4	1	ADI: not specified. (SCF, Rx).
64800	MALEIC ACID	00110-16-7	2	Group TDI: 0.5 mg/kg b.w. as maleic acid. (SCF, 17th Series, 1986).
64840	MALEIC ACID, DI-n-OCTYLTIN BIS (2-ETHYLHEXYL) ESTER	10039-33-5	D	Same references as 50240.
64860	MALEIC ACID, ESTERS WITH PENTAERYTHRITOL	-	9	
64880	MALEIC ACID, MONOHEXADECYL ESTER, POTASSIUM SALT	-	7	Needed: hydrolysis data.
65020	MALIC ACID	06915-15-7	1	ADI: not specified. (SCF, 25th Series, 1990).
65040	MALONIC ACID	00141-82-2	3	Occurs in plants.
65120	MANGANESE CHLORIDE	07773-01-5	2	Group TDI: 0.01 (as Mn) (Environmental Health Criteria 17, WHO 1981).
65200	MANGANESE HYDROXIDE	12626-88-9	2	Group TDI: 0.01 mg/kg b.w. (as Mn). See references for acetic acid, manganese(II) salt in list 2.

REF No	NAME	CAS No	SCF List	SCF Opinion
65280	MANGANESE HYPOPHOSPHITE	10043-84-2	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 tp phosphoric acid.
65360	MANGANESE OXIDE	11129-60-5	2	Group TDI: 0.01 mg/kg b.w. (as Mn) in list 2. See references for acetic acid, manganese(II) salt.
65440	MANGANESE 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 oxidised to pyrophosphoric acid.
65520	MANNITOL	00087-78-5	1	ADI: acceptable. (SCF, 16th Series, 1985).

REF No	NAME	CAS No	SCF List	SCF Opinion
65768	2-MERCAPTOBENZOTHIAZOLE	00149-30-4	6A-P	Available: inadequate migration data (data on exposure obtained in various laboratories are available, but inadequate). 16-day oral studies in mice, 16-day oral study in rats, 16-day and 2-year oral studies in rats and mice, 2 teratogenicity studies in rats, mutagenicity tests *in vitro* and *in vivo*, DNA binding study. Needed: adequate migration data using as simulant the saliva solution as described in Directive 93/11/EEC and carrying out the test by squeezing which could increase the extraction like in chewing gum. *In vitro* mouse lymphoma study in which endpoints related to both gene mutation and chromosome aberration are measured, a study of unscheduled DNA synthesis in rat liver *in vivo*. (RIVM report, 7 September 1993 (= CS/PM/2184) and TNO SDS, 15 August 1995 (= CS/PM/2652)).

REF No	NAME	CAS No	SCF List	SCF Opinion
65770	2-MERCAPTOBENZOTHIAZOLE, SODIUM SALT	02492-26-4	6A	Available: 2 subacute studies in mice, 1 subacute study in rats, semichronic and chronic studies in rats and mice, 2 teratogenicity studies in rats, mutagenicity tests *in vitro* and *in vivo*, DNA binding study. Needed: migration data according to Directive 90/128/EEC and *in vitro* mouse lymphoma study in which endpoints related to both gene mutation and chromosome aberration are measured, a study of unscheduled DNA synthesis in rat liver *in vivo*. (RIVM report, 7 September 1993 (= CS/PM/2184)).
65845	METHACRYLIC ACID, ESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC	-	9	
65880	METHACRYLIC ACID, MONOESTER WITH 1,3-BUTANEDIOL	?	8	
65900	METHACRYLIC ACID, 2-SULPHOETHYL ESTER, SODIUM SALT	01804-87-1	8	
65910	(3-(METHACRYLOXY)PROPYL) TRIMETHOXYSILANE	02530-85-0	8	
65960	METHANOL	00067-56-1	3	See references for same substance in monomer report.
66000	3'-METHOXY-4'-HYDROXYPHENYL-2-INDOLE	-	8	
66030	4-METHOXYPHENOL	00150-76-5	8	
66050	1-METHOXY-2-PROPANOL	00107-98-2	8	
66080	N-METHYLBENZAMIDE	00613-93-4	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
66120	METHYL BENZIMIDAZOLECARBAMATE	10605-21-7	2	TDI: 0.01 mg/kg b.w. Based on ADI = 0.01 mg/kg b.w. on carbendazim. (JMPR 5-14 December 1983)
66160	7-(5'-METHYL-6'-n-BUTOXY-BENZOTRIAZOLE(2))-3-PHENYLCOUMARIN	16515-58-5	8	
66200	METHYLCARBOXYMETHYLCELLULOSE	37206-01-2	2	Group TDI: not specified based on Group ADI (= not specified) for certain modified celluloses. (JECFA 35 M., 1989).
66240	METHYLCELLULOSE	09004-67-5	2	Group TDI: not specified based on Group ADI (= not specified) for certain modified celluloses. (JECFA 35 M., 1989).
66270	METHYLCYCLOPENTANE	00096-37-7	8	
66320	4,4'-METHYLENEBIS(2,6-DI-tert-BUTYLPHENOL)	00118-82-1	8	
66360	2',2'-METHYLENE BIS(4,6-DI-tert-BUTYLPHENYL) SODIUM PHOSPHATE	85209-91-2	3	R: 5 mg/kg in food. Available: 3-month oral rat study, mutagenicity tests negative, migration data. (RIVM doc., 15 October 1991).
66400	2,2'-METHYLENEBIS(4-ETHYL-6-tert-BUTYLPHENOL)	00088-24-4	2	Group TDI: 0.025 mg/kg b.w.(with 66480). Available for 66480: two 90-day oral rat studies, 4-month oral dog study and mutagenicity studies. (RIVM Doc/Tox 300/418, April 1983 and CS/PM/171).

REF No	NAME	CAS No	SCF List	SCF Opinion
66480	2,2'-METHYLENEBIS(4-METHYL-6-tert-BUTYLPHENOL)	00119-47-1	2	Group TDI: 0,025 mg/kg b.w. (with 66400). Available: two 90-day oral rat studies, 4-month oral dog study, mutagenicity studies. (RIVM doc./Tox 300/418, April 1983 and CS/PM/171).
66560	2,2'-METHYLENEBIS(4-METHYL-6-CYCLOHEXYLPHENOL)	04066-02-8	2	TDI: 0.05 mg/kg b.w. (with 66580). Available for 66580 short-term oral rat and dog study, 90-day oral dog study and 2-year oral rat and dog study. (RIVM doc. CS/PM/2205).
66580	2,2'-METHYLENEBIS(4-METHYL-6-(1-METHYL-CYCLOHEXYL) PHENOL)	00077-62-3	2	Group TDI: 0.05 mg/kg b.w. (with 66560). Available: short-term oral rat and dog study, 90-day oral dog study and 2-year oral rat and dog study. (RIVM doc. CS/PM/2205).
66600	METHYLENEBIS(NAPHTHALENESULPHONIC ACID), DISODIUM SALT	26545-58-4	8	
66620	METHYLENE CHLORIDE	00075-09-2	3	R: 0.05 mg/kg of foods. (SCF, 29th Series, 1992).
66640	METHYLETHYLCELLULOSE	09004-59-5	2	Group TDI: not specified based on Group ADI (= not specified) for certain modified celluloses. (JECFA, 35 M., 1989).
66655	METHYL ETHYL KETONE	00078-93-3	3	R: 5 mg/kg of food. Available: 3 and 6 month inhalation studies in rats, teratogenicity studies by inhalation in mice and rats, mutagenicity tests. (RIVM doc. CS/PM/2098), (SCF, 29th Series, 1992).
66680	METHYLHYDROQUINONE	00095-71-6	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
66695	METHYLHYDROXYMETHYLCELLULOSE	-	2	Group TDI: not specified based on group ADI (= not specified) for certain modified celluloses. (JECFA 35 M., 1989).
66700	METHYLHYDROXYPROPYLCELLULOSE	09004-65-3	2	Group TDI: not specified based on group ADI (= not specified) for certain modified celluloses. (JECFA 35M., 1989).
66715	2-METHYLIMIDAZOLE	00693-98-1	8	
66725	METHYL ISOBUTYL KETONE	00108-10-1	3	R: 5 mg/kg of food. Available: 3 month oral rat study and 3 month inhalation studies mice, rats, dogs and monkeys, teratogenicity studies by inhalation in mice and rats, mutagenicity tests. (WHO Env. Health Crit. n. 117 (1990) Geneva).
66740	METHYL ISOPROPENYL KETONE (=2-METHYL-2-PENTEN-4-ONE)	00814-78-8	8	
66755	2-METHYL-4-ISOTHIAZOLIN-3-ONE	02682-20-4	4	See references for 43760 in list 4.
66785	N-METHYLMORPHOLINE	00109-02-4	5	
66820	N-METHYLOLMETHACRYLAMIDE	00923-02-4	6A	
66840	2-METHYLPENTANE	00107-83-5	8	
66860	4-METHYL-2-PENTANOL	00108-11-2	8	
66905	N-METHYLPYRROLIDONE	00872-50-4	8	(RIVM doc. 21 March 1989).
67040	1(4-METHYLSULPHONYLPHENYL)-3-(4-CHLOROPHENYL)-DELTA-2-PYRAZOLINE	14295-72-8	8	
67120	MICA	12001-26-2	3	Inert silicate.
67200	MOLYBDENUM DISULPHIDE	01317-33-5	3	Inert, insoluble material.

REF No	NAME	CAS No	SCF List	SCF Opinion
67280	MONOCHLOROBENZENE	00108-90-7	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	
67345	MONO- AND DIGLYCERIDES OF FATTY ACIDS(C16-C18)	85251-77-0	9	
67360	MONO-n-DODECYLTIN TRIS(ISOOCTYL MERCAPTOACETATE)	67649-65-4	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 negative except human lymphocytes. (RIVM report, 02-04-1990).
67420	MONOETHANOLAMINE	00141-43-5	8	
67440	MONOETHANOLAMINE ALKYL SULPHATE	-	D	Partially covered by 67441.

REF No	NAME	CAS No	SCF List	SCF Opinion -
67441	MONOETHANOLAMINE ALKYL(C8-C22)SULPHATE, LINEAR, PRIMARY, EVEN NUMBERED	-	8	L3 and L8. For alkyl (C8-C22) sulphuric acids, linear, primary, even numbered. L3. Toxicologically acceptable. Same references as for 34281. For monoethanolamine. L8.
67442	MONOETHANOLAMINE ALKYL(C12-C14)SULPHATE	90583-16-7	D	Partially covered by 67441.
67460	MONOETHANOLAMINE DODECYL SULPHATE	04722-98-9	D	Same as 52480.
67520	MONOMETHYLTIN TRIS(ISOOCTYL MERCAPTOACETATE)	54849-38-6	2	Group TDI = 0.003 mg/kg b.w. (as Sn) (with 49600 and 83599). See references for 83599 in list 2.
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).
67680	MONO-n-OCTYLTIN TRIS(2-ETHYLHEXYL MERCAPTOACETATE)	27107-89-7	2	Group t-TDI: 0.02 mg/kg b.w. (as Sn) (with 67760 and 67600). See references for 67760 in list 2.

REF No	NAME	CAS No	SCF List	SCF Opinion
67760	MONO-n-OCTYLTIN TRIS(ISOOCTYL MERCAPTOACETATE) (added for memo, all mono and di-octyltin stabilisers will be re-evaluated together this substance)	26401-86-5	2-P	Group t-TDI: 0.02 mg/kg b.w. (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).
67840	MONTANIC ACIDS AND/OR THEIR ESTERS WITH ETHYLENEGLYCOL AND/OR WITH 1,3-BUTANEDIOL AND/OR WITH GLYCEROL	-	3	3-4 month oral dog, 3 month rat and 2-year rat studies plus negative Ames tests. (RIVM report, 5 March 1990).
67850	MONTAN WAX	08002-53-7	3	Inert compound, specifications needed.
67860	MONTMORILLONITE, ACID, ACTIVATED	90431-92-8	9	
67870	MORPHOLINE	00110-91-8	5	
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	
67887	MUSTARDSEED OIL, SULPHATED; AMMONIUM, POTASSIUM, OR SODIUM SALT	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
67891	MYRISTIC ACID	00544-63-8	1	ADI: NS (SCF, 25th Series, 1989).
67895	MYRISTIC ACID, ISOBUTYL ESTER	25263-97-2	7	Needed: hydrolysis data.
67898	MYRISTOLEIC ACID	00544-64-9	8	
67900	NAPHTHA	08030-30-6	9	
67910	1-NAPHTHALENESULPHONIC ACID	00085-47-2	8	
67912	2-NAPHTHALENESULPHONIC ACID	00120-18-3	8	
67924	NAPHTHENIC ACIDS, CERIUM SALTS	-	9	L9 for naphthenic acids. L8 for cerium.
67930	NAPHTHENIC ACIDS, COBALT SALTS	61789-51-3	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.
67942	NAPHTHENIC ACIDS, LITHIUM SALTS	61788-56-5	9	L9 for naphthenic acids. L2 for lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.
67946	NAPHTHENIC ACIDS, MANGANESE SALT	01336-93-2	9	L9 for naphthenic acids. L2 for Mn. Group TDI: 0.01 mg/kg b.w. See references for 30180 in L2 in this report.
67950	NAPHTHENIC ACIDS, SALTS	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
67966	NAPHTHENIC ACIDS, ZIRCONIUM SALT	72854-21-8	9	L9 for naphthenic acids. L7 for zirconium. See references for 54220.
68000	NAPHTHENIC MINERAL OIL	-	9	
68001	NAPHTHENIC MINERAL OIL (HYDROGENATED)	-	D	
68002	NAPHTHENIC MINERAL OIL (CONVENTIONAL)	-	D	
68020	2-NAPHTHOL	00135-19-3	8	
68040	7-(2H-NAPHTHO-(1.2-d)TRIAZOL-2-YL)-3-PHENYLCOUMARIN	03333-62-8	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	?	8	L8 for neodecanoic acid. L8 for cerium.
68070	NEODECANOIC ACID, COBALT (II) SALT	52270-44-7	3	R: 0.05 mg/kg of food for neodecanoic acid. Not for fatty foods. Available: 3 negative mutagenicity tests and migration data for non-fatty foods for neodecanoic acid (CS/PM/1707).
68078	NEODECANOIC ACID, COBALT SALT	27253-31-2	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.

REF No	NAME	CAS No	SCF List	SCF Opinion
68090	NEODECANOIC ACID, LITHIUM SALT	27253-30-1	8	L8 for neodecanoic acid. L2 for lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.
68100	NEODECANOIC ACID, MANGANESE SALT	27253-32-3	8	L8 for neodecanoic acid. L2 for Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.
68110	NEODECANOIC ACID, SALTS	-	8	
68115	NEODECANOIC ACID, ZIRCONIUM SALT	39049-04-2	8	L8 for neodecanoic acid. L7 for zirconium. See references for 54220.
68125	NEPHELINE SYENITE	68187-64-4	3	Inert material.
68140	NITRIC ACID	07697-37-2	2	TDI: 3 mg/kg b.w. based on ADI = 5 mg/kg b.w. on sodium nitrate. (SCF, 20th Series, in press).
68145	2,2',2'-NITRILO(TRIETHYL-TRIS(3,3',5,5'-TETRA-tert.BUTYL-1,1'-BIPHENYL-2,2'-DIYL)PHOSPHITE)	80410-33-9	3	R = 5 mg/kg of food (covering the sum of phosphite and phosphate). Available: adequate migration data, three *in vitro* mutagenicity studies; 90-day oral rat study, acute delayed neurotoxicity study; log Po/w. (RIVM/TNO SDS, November 1996 = CS/PM/2749).
68150	NONANOIC ACID	00112-05-0	8	
68175	NONYLPHENOL	25154-52-3	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
68185	4-NONYLPHENOL	00104-40-5	8	
68195	NORDIHYDROGUAIARETIC ACID	00500-38-9	8	
68210	OCTABROMODIPHENYL ETHER	32536-52-0	5	
68225	1-OCTADECANOL	00112-92-5	3	See references for same substance in monomer report.
68240	OCTADECYLAMINE	00124-30-1	8	
68320	OCTADECYL 3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL) PROPIONATE	02082-79-3	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 March 1992).
68400	OCTADECYLERUCAMIDE	10094-45-8	7	Available: Ames test and migration data. Needed: gene mutation and chromosome aberration in mammalian cells *in vitro*, 90-day oral study and bioaccumulation.
68480	OCTADECYL (4-HYDROXY-3,5-DIMETHYLBENZYL)MERCAPTOACETATE	16545-53-2	8	
68640	n-OCTANOIC ACID, CERIUM SALT	07435-02-1	8	LO for n-octanoic acid. L8 for cerium.
68650	n-OCTANOIC ACID, COBALT SALT	06700-85-2	3	L3 for cobalt. R = 0.05 mg/kg of food (as Co) (RIVM, summary data, October 1992) (CS/PM/1707). L0 for n-octanoic acid.

REF No	NAME	CAS No	SCF List	SCF Opinion
68680	n-OCTANOIC ACID, LITHIUM SALT	16577-52-9	0-2	L2 for 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.
68690	n-OCTANOIC ACID, MANGANESE SALT	06535-19-9	2	L2 for Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report. L0 for n-octanoic acid.
68730	OCTANOIC ACID, ZIRCONIUM SALT	18312-04-4	9	L9 for octanoic acid. L7 for zirconium. See references for 54220.
68750	1-OCTANOL	00111-87-5	3	See references for 'Alcohols, aliphatic, monohydric, saturated, linear, primary (C4-C24)' (PM/REF.N 33120) in SCF list 3.
68775	2-OCTYLDODECANOL	05333-42-6	8	
68800	OCTYL EPOXYSTEARATE	00106-84-3	6A	
68840	n-OCTYLMERCAPTAN	00111-88-6	8	
68880	2-n-OCTYLTHIO-4,6-BIS(4-HYDROXY-3,5-DI-tert-BUTYLPHENOXY)-1,3,5-TRIAZINE	00992-55-2	8	
68920	OILS, FROM FOOD SOURCES, HYDROGENATED OR NOT (with the exception of those specified elsewhere in the list)	-	3	

REF No	NAME	CAS No	SCF List	SCF Opinion
68960	OLEAMIDE	00301-02-0	3	Hydrolyses to innocuous substances. Available: Migration data, Ames test, hydrolysis tests. (RIVM doc. 12 September 1990, CS/PM/2434).
69040	OLEIC ACID	00112-80-1	1	ADI: not specified. (SCF, 25th Series, 1990).
69120	OLEIC ACID, BUTYL ESTER	00142-77-8	7	Needed: hydrolysis data.
69140	OLEIC ACID, CERIUM SALT	07492-61-7	8	L1 (= not specified) for oleic acid. L8 for cerium.
69160	OLEIC ACID, COBALT SALT	14666-94-5	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	OLEIC ACID, ETHYL ESTER	00111-62-6	7	Needed: hydrolysis data.
69360	OLEIC ACID, HEPTYL ESTER	42254-63-7	7	Needed: hydrolysis data.
69440	OLEIC ACID, HEXADECYL ESTER	22393-86-8	7	Needed: hydrolysis data.
69455	OLEIC ACID, LITHIUM SALT	07384-22-7	1-2	L1 (= not specified) for oleic acid. L2 for lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.

REF No	NAME	CAS No	SCF List	SCF Opinion
69465	OLEIC ACID, MANGANESE SALT	19153-79-8	1-2	L1 (= not specified) for oleic acid. L2 for Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.
69480	OLEIC ACID, METHYL ESTER	00112-62-9	7	Needed: hydrolysis data.
69520	OLEIC ACID, OCTYL ESTER	32953-65-4	7	Needed: hydrolysis data.
69560	OLEIC ACID, OLEYL ESTER	03687-45-4	7	Needed: hydrolysis data.
69600	OLEIC ACID, PENTYL ESTER	00142-57-4	7	Needed: hydrolysis data.
69620	OLEIC ACID,SULPHATED, AMMONIUM, POTASSIUM OR SODIUM SALT	-	9	
69650	OLEIC ACID, ZIRCONIUM SALT	?	7	L1 (= not specified) for oleic acid. L7 for zirconium. See references for 54220.
69680	N-OLEOYLSARCOSINE	00110-25-8	8	
69760	OLEYL ALCOHOL	00143-28-2	3	Precursor of oleic acid.
69840	OLEYLPALMITAMIDE	16260-09-6	3	Restriction = 5 mg/kg of food. Available: 3-month oral rat study, mutagenicity studies negative, migration data. (RIVM doc. 17.03.92).
69920	OXALIC ACID	00144-62-7	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).

REF No	NAME	CAS No	SCF List	SCF Opinion
70000	2,2'-OXAMIDOBIS(ETHYL-3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL)PROPIONATE)	70331-94-1	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).
70080	4,4'-OXYBIS(BENZENE SULPHONYL HYDRAZIDE)	00080-51-3	6A	Waiting for an answer to the letter from EEC (CS/PM/374) to the interested industry using RIVM conclusions in CS/PM/366.
70160	OXYMETHANESULPHINIC ACID, SODIUM SALT	00149-44-0	D	
70240	OZOKERITE	12198-93-5	3	Mineral wax. Purity to be specified.
70320	PALMITAMIDE	00629-54-9	8	
70400	PALMITIC ACID	00057-10-3	1	ADI: not specified. (SCF, 25th Series, 1990).
70480	PALMITIC ACID, BUTYL ESTER	00111-06-8	7	Needed: hydrolysis data.
70500	PALMITIC ACID, CERIUM SALT	07492-62-8	8	L1(= not specified) for palmitic acid. L8 for cerium.
70530	PALMITIC ACID, COBALT SALT	23272-52-8	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	PALMITIC ACID, ETHYL ESTER	00628-97-7	7	Needed: hydrolysis data.
70640	PALMITIC ACID, HEPTYL ESTER	26718-83-2	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
70720	PALMITIC ACID, HEXADECYL ESTER	00540-10-3	7	Needed: hydrolysis data.
70780	PALMITIC ACID, ISOBUTYL ESTER	00110-34-9	7	Needed: hydrolysis data.
70800	PALMITIC ACID, ISODECYL ESTER	59231-33-3	W8	
70820	PALMITIC ACID, LITHIUM SALT	20466-33-5	1-2	L1 (= not specified) for palmitic acid. L2 for lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2.
70840	PALMITIC ACID, MANGANESE SALT	31678-63-4	1-2	L1 (= not specified) for palmitic acid. L2 for Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.
70860	PALMITIC ACID, METHYL ESTER	00112-39-0	7	Needed: hydrolysis data.
70870	PALMITIC ACID, OCTADECYL ESTER	02598-99-4	7	Needed: hydrolysis data.
70880	PALMITIC ACID, OCTYL ESTER	16958-85-3	7	Needed: hydrolysis data.
70960	PALMITIC ACID, PENTYL ESTER	31148-31-9	7	Needed: hydrolysis data.
71000	PALMITIC ACID, ZIRCONIUM SALT	?	7	L1 for palmitic acid. See references for the same substance in list 1. L7 for zirconium See references for 54220.
71020	PALMITOLEIC ACID	00373-49-9	0	
71040	PALMITOYLBENZOYLMETHANE	17281-74-2	8	
71070/0	PALM OIL ('Food grade quality')	08002-75-3	D	

REF No	NAME	CAS No	SCF List	SCF Opinion
71070/1	PALM OIL	08002-75-3	3	Food fat.
71120	PARAFFIN OIL	08012-95-1	9	
71121	PARAFFIN OIL (HYDROGENATED)	-	D	
71122	PARAFFIN OIL (CONVENTIONAL)	-	D	
71200	PARAFFIN, SYNTHETIC	-	9	
71201	PARAFFIN, SYNTHETIC (HYDROGENATED)	-	D	
71202	PARAFFIN, SYNTHETIC (CONVENTIONAL)	-	D	
71280	HYDROCARBON WAXES, PARAFFIN AND MICROCRYSTALLINE	08002-74-2 63231-60-7	9	
71281	HYDROCARBON WAXES, PARAFFIN AND MICROCRYSTALLINE (HYDROGENATED)	08002-74-2 and 63231-60-7	D	
71282	HYDROCARBON WAXES, PARAFFIN AND MICROCRYSTALLINE (CONVENTIONAL)	-	D	
71360	PEANUT OIL	08002-03-7	3	Food fat.
71380	PEANUT OIL, SULPHATED, AMMONIUM, POTASSIUM, OR SODIUM SALT	-	9	
71440	PECTIN	09000-69-5	1	ADI: not specified. (SCF, 7th Series, 1978).
71470	PENTABROMODIPHENYL ETHER	32534-81-9	5	
71500	PENTACHLOROPHENOL	00087-86-5	5/D	EC Directive (91/173/EEC). Its use is banned.

REF No	NAME	CAS No	SCF List	SCF Opinion
71520	PENTACHLOROTHIOPHENOL, ZINC SALT	00117-97-5	8	
71600	PENTAERYTHRITOL	00115-77-5	2	Group TDI: 1 mg/kg b.w. (with dipentaerythritol). (SCF, 17th Series, 1986).
71625	PENTAERYTHRITOL DIMYRISTATE	54381-53-2	7	Needed: hydrolysis data.
71645	PENTAERYTHRITOL MONOMYRISTATE	68818-38-2	7	Needed: hydrolysis data.
71660	PENTAERYTHRITOL MONOOLEATE	10332-32-8	7	Needed: hydrolysis data.
71680	PENTAERYTHRITOL TETRAKIS(3-(3,5-DI-tert-BUTYL-4-HYDROXYPHENYL)PROPIONATE)	06683-19-8	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, 13 June 1989).
71686	PENTAERYTHRITOL TETRAKIS(3-MERCAPTOPROPIONATE)	07575-23-7	8	
71700	N,N,N',N',N''-PENTAMETHYLDIETHYLENETRIAMINE	03030-47-5	8	
71710	PENTAMETHYLENEAMMONIUM-PENTAMETHYLENEDITHIOCARBAMATE	00098-77-1	8	
71720	PENTANE	00109-66-0	3	Volatile.
71950	PERFLUOROALKENYLOXYBENZENESULPHONIC ACID		9	
71960	PERFLUOROOCTANOIC ACID, AMMONIUM SALT	03825-26-1	8	Data exist (but confidential). Provide data.
71970	PERFLUOROOCTANOIC ACID, SODIUM SALT	00335-67-1	8	Data exist (but confidential). Provide data.

REF No	NAME	CAS No	SCF List	SCF Opinion
72046	PERSULPHURIC ACID, AMMONIUM SALT	07727-54-0	8	
72048	PERSULPHURIC ACID, POTASSIUM SALT	07727-21-1	8	
72060	PETROLATUM	08009-03-8	9-D	
72061	PETROLATUM (HYDROGENATED)	-	D	
72062	PETROLATUM (CONVENTIONAL)	08009-03-8	D	
72080	PETROLEUM HYDROCARBON RESINS	-	9	
72082	PETROLEUM HYDROCARBON RESINS (CONVENTIONAL)	-	9	
72095	PETROLEUM WAXES	-	9	
72135	PHENOTHIAZINE	00092-84-2	8	
72145	2-PHENYLIMIDAZOLE	00670-96-2	8	
72160	2-PHENYLINDOLE	00948-65-2	2	TDI: 0.25 mg/kg b.w. 1 and 2-year oral rat studies, migration data. (*Arch. Toxicol.*, 1964, 20, 220-225).
72240	2-PHENYLPHENOL	00090-43-7	D	
72320	4-PHENYLPHENOL	00092-69-3	8	
72400	2-PHENYLPHENOL, SODIUM SALT	00132-27-4	D	Deleted. Covered by 72240.
72480	4-PHENYLPHENOL, SODIUM SALT	03645-61-2	D	Deleted. Covered by 72320.
72560	3-(2-PHENYL)PHENOXY-1,2-EPOXYPROPANE	07144-65-2	6A	
72600	PHENYLUREA	00064-10-8	8	
72620	PHOSPHONIC ACID, ESTERS	-	9	
72640	PHOSPHORIC ACID	07664-38-2	1	MTDI: 70 mg/kg b.w. (as P). (SCF, 25th Series, 1990).

REF No	NAME	CAS No	SCF List	SCF Opinion
72700	PHOSPHORIC ACID, CRESYL DIPHENYL ESTER	26444-49-5	6B	Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, neurotoxicity studies too.
72720	PHOSPHORIC ACID, DI-n-HEXADECYL ESTERS	02197-63-9	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies and neurotoxicity studies too.
72760	PHOSPHORIC ACID, DI-n-NONYL ESTER	03138-43-0	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferations studies and neurotoxicity studies too.
72840	PHOSPHORIC ACID, DIPHENYL-p-TOLYL ESTER	00078-31-9	6B	Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, neurotoxicity studies too.
72880	PHOSPHORIC ACID, ETHANOLAMINE HEXYL BRANCHED AND LINEAR ESTER	97489-40-2	9	Group R: 0.05 mg/kg b.w.
73040	PHOSPHORIC ACID, LITHIUM SALTS	13763-32-1	1-2	L2 for lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for benzoic acid, lithium salt. L1 for phosphoric acid. MTDI: 70 mg/kg b.w. (as P). (SCF, 25th Series, 1991).

REF No	NAME	CAS No	SCF List	SCF Opinion
73120	PHOSPHORIC ACID, MANGANESE SALT	10124-54-6	1-2	L2 for manganese. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for acetic acid, manganese(II) salt. L1 for phosphoric acid. MTDI: 70 mg/kg b.w. (as P) (SCF, 25th Series, 1991)
73160	PHOSPHORIC ACID, MONO- AND DI-n-ALKYL (C16 and C18) ESTERS	-	W7	Available: 2 week oral rat study, 2 mutagenicity tests, negative, hydrolysis and migration data inadequate. Needed: gene mutation test in mammalian cells *in vitro* and migration. If migration exceeds 0.05 mg/kg food, toxicity testing according to SCF guidelines must be performed including test for peroxisome proliferation and neurotoxicity. (TNO, 20 January 1995).
73200	PHOSPHORIC ACID, MONO- AND DIESTERS WITH ALCOHOLS, ALIPH. (C9-C18), DIETHANOLAMINE SALT	-	9	Group R: 0.05 mg/kg b.w.
73280	PHOSPHORIC ACID, MONO AND DIESTERS WITH ALCOHOLS, ALIPH. (C9-C18), SALTS	-	9	Group R: 0.05 mg/kg b.w.
73300	PHOSPHORIC ACID, MONO- AND DIESTERS WITH ALCOHOLS, ALIPHATIC, MONOHYDRIC, SATURATED (C2-C4)	-	9	Group R: 0.05 mg/kg b.w.

REF No	NAME	CAS No	SCF List	SCF Opinion
73320	PHOSPHORIC ACID, MONO- AND DIESTERS WITH ALCOHOLS, MONOHYDRIC, SATURATED, PRIMARY, LINEAR (C12-C18), DIETHANOLAMINE SALT	-	9	Group R: 0.05 mg/kg b.w.
73340	PHOSPHORIC ACID, MONO- AND DIESTERS WITH ALCOHOLS, MONOHYDRIC, SATURATED, PRIMARY, LINEAR (C12-C18), SALTS	-	9	Group R: 0.05 mg/kg b.w.
73360	PHOSPHORIC ACID, MONO-n-HEXADECYL ESTER	03539-43-3	W7	Needed: hydrolysis data.
73440	PHOSPHORIC ACID, MONO-n-HEXYL ESTER	03900-04-7	7	Needed: hydrolysis data.
73480	PHOSPHORIC ACID, NONYL ESTER, SODIUM SALT	-	9	Group R: 0.05 mg/kg b.w.
73520	PHOSPHORIC ACID, OCTADECYL ESTERS	39471-52-8	D	Group R: 0.05 mg/kg b.w.
73570	PHOSPHORIC ACID, TRIALKYL(C4-C16) ESTER	-	9	Group R: 0.05 mg/kg b.w.
73600	PHOSPHORIC ACID, TRIBUTOXYETHYL ESTER	00078-51-3	6B	Group R: 0.05 mg/kg b.w. Available: Ames test, 14-day and 18-week oral rat studies. Needed: Full report of 18 week oral rat study by Monsanto (1987) and tests for gene mutation and chromosome aberration in mammalian cells *in vitro* in the first instance.

REF No	NAME	CAS No	SCF List	SCF Opinion
73680	PHOSPHORIC ACID, TRIBUTYL ESTER	00126-73-8	6B	Group R: 0.05 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 0.05 mg/kg, peroxisome proliferation studies and neurotoxicity studies too.
73720	PHOSPHORIC ACID, TRICHLOROETHYL ESTER	00115-96-8	4	Carcinogenic to rats. (NTP Tech. Rep. Ser. N. 391, May 1991).
73760	PHOSPHORIC ACID, TRIETHANOL ESTER	-	9	Group R: 0.05 mg/kg b.w.
73840	PHOSPHORIC ACID, TRIISOBUTYL ESTER	00126-71-6	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies and neurotoxicity studies too.
73920	PHOSPHORIC ACID, TRIPHENYL ESTER	00115-86-6	6B	Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, neurotoxicity studies too.
73960	PHOSPHORIC ACID, TRIS(ALKOXYALKYL C3-C8) ESTER	-	9	Group R: 0.05 mg/kg b.w.

REF No	NAME	CAS No	SCF List	SCF Opinion
74000	PHOSPHORIC ACID, TRIS(2-ETHYLHEXYL) ESTER	00078-42-2	6B	Group R: 0.05 mg/kg b.w. Available: Ames test, 90-day and 2-year oral mouse and rat studies. Needed: remaining toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies and neurotoxicity studies too.
74010	PHOSPHOROUS ACID, BIS(2,4-DI-tert.-BUTYL-6-METHYLPHENYL) ETHYL ESTER	145650-60-8	3	R: 5 mg/kg of food (covering the sum of phosphite and phosphate). Available: migration data, three *in vitro* mutagenicity tests, Ames/*E. Coli* test with the oxidation product, 28-day oral rat study, 90-day oral rat study, 'limited' delayed neurotoxicity study in hens. (RIVM/TNO SDS, October 1996 = CS/PM/2916).
74020	PHOSPHOROUS ACID, 2-tert-BUTYL-ALPHA-(3-tert-BUTYL-4-HYDROXYPHENYL) p-CUMENYL BIS(4-NONYLPHENYL) ESTER	20227-53-6	6B	Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, neurotoxicity studies too.
74040	PHOSPHOROUS ACID, DIPHENYL ESTER	04712-55-4	6B	Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, neurotoxicity studies too.
74060	PHOSPHOROUS ACID, TRIALKYL(C8-C12) ESTER	-	9	Group R: 0.05 mg/kg b.w.

REF No	NAME	CAS No	SCF List	SCF Opinion
74080	PHOSPHOROUS ACID, TRIISODECYL ESTER	25448-25-3	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies and neurotoxicity studies too.
74160	PHOSPHOROUS ACID, TRIS-2-(CYCLOHEXYLPHENYL) ESTER	13423-78-4	6B	Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, neurotoxicity studies too.
74240	PHOSPHOROUS ACID, TRIS(2,4-DI-tert-BUTYLPHENYL) ESTER	31570-04-4	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 August 1976; LSR 80/CIA 015/111, 21 October 1980; Ciba-Geigy 82 0873, February 1985).
74320	PHOSPHOROUS ACID, TRIS((3-ETHYL-3-OXETANYL)- METHYL) ESTER	39865-35-5	6B	Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, neurotoxicity studies too.
74400	PHOSPHOROUS ACID, TRIS(NONYL-AND/OR DINONYLPHENYL) ESTER (add CAS.N 08012-67-7)	26523-78-4 01333-21-7	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, 8 January 1990).
74480	o-PHTHALIC ACID	00088-99-3	2	Group TDI: 1 mg/kg b.w. Included in the group TDI for phthalic anhydride.

REF No	NAME	CAS No	SCF List	SCF Opinion
74560	PHTHALIC ACID, BENZYL BUTYL ESTER	00085-68-7	2-P	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: *in vivo* peroxisome proliferation study, reproduction and teratogenicity studies.
74600	PHTHALIC ACID, BIS(ALKOXYALKYL C3-C18) ESTER	-	9	Group R: 0.05 mg/kg b.w.
74640	PHTHALIC ACID, BIS(2-ETHYLHEXYL) ESTER	00117-81-7	2	TDI: 0.05 mg/kg b.w. (see the individual report, CS/PM/2161 FINAL).
74720	PHTHALIC ACID, BIS(2-METHOXYETHYL) ESTER	00117-82-8	6B	R: 0.05 mg/kg of food (by analogy with 53860). Suspected of embryotoxicity/teratogenicity. Available: some studies, but inadequate.
74760	PHTHALIC ACID, BIS(METHYLCYCLOHEXYL) ESTER	27987-25-3	9	Group R: 0.05 mg/kg b.w.
74800	PHTHALIC ACID, DIALKYL (C7-C11) ESTERS	68515-42-4	6B	Group R: 0.05 mg/kg b.w. Needed: in first instance specifications on identity. Toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies on specified substances.

REF No	NAME	CAS No	SCF List	SCF Opinion
74880	PHTHALIC ACID, DIBUTYL ESTER	00084-74-2	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: tests for gene mutation and chromosome aberration in mammalian cells *in vitro* and, if migration exceeds 0.05 mg/kg 28-day oral study and peroxisome proliferation study too.
74960	PHTHALIC ACID, DICYCLOHEXYL ESTER	00084-61-7	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	Group t-TDI: 0.15 mg/kg b.w. (with 76120). Available: 3-month oral rat study, teratogenicity study and Ames test negative. (RIVM doc. 11 September 1990, CS/PM/529). Needed: reproduction study, peroxisome proliferation, gene mutation and chromosome aberration in mammalian cells *in vitro*.

REF No	NAME	CAS No	SCF List	SCF Opinion
75100	PHTHALIC ACID, DIESTERS WITH PRIMARY, SATURATED C8-C10 BRANCHED ALCOHOLS, MORE THAN 60 % C9.	-	2-P	t-TDI: 0.03 mg/kg b.w. Available: several 3-month studies in rats and dogs and a 2-year rat study, all by oral exposure, teratogenicity rat oral study, 5 mutagenicity studies negative, peroxisome proliferation studies. Needed: reproduction and teratogenicity studies. (RIVM report, 21 March 1995, CS/PM/2584 and TNO report, 29 August 1995, CS/PM/2654).
75105	PHTHALIC ACID, DIESTERS WITH PRIMARY, SATURATED C9-C11 BRANCHED ALCOHOLS MORE THAN 90 % C10	-	2	t-TDI: 0.05 mg/kg b.w. Available: 3-month oral rat and dog studies, 3 mutagenicity tests negative, peroxisome proliferation studies, teratogenicity study in mice, inadequate. Needed: reproduction and teratogenicity studies (RIVM report, 14 March 1995, CS/PM/2583 and TNO report, 28 August 1995, CS/PM/2653).
75120	PHTHALIC ACID, DIETHYL ESTER	00084-66-2	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: reproduction and teratogenicity study.

REF No	NAME	CAS No	SCF List	SCF Opinion
75200	PHTHALIC ACID, DI-n-HEPTYL ESTER	03648-21-3	6B	Group R: 0.05 mg/kg b.w. Available: Ames test. Needed: remaining toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
75280	PHTHALIC ACID, DIISOBUTYL ESTER	00084-69-5	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
75360	PHTHALIC ACID, DIISODECYL ESTER	26761-40-0	D	This item is changed into a new item (see 75105).
75440	PHTHALIC ACID, DIISONONYL ESTER	28553-12-0	D	This item is changed into a new item (see 75100).
75520	PHTHALIC ACID, DIISOOCTYL ESTER	27554-26-3	9	Group R: 0.05 mg/kg b.w.
75600	PHTHALIC ACID, DIMETHYL ESTER	00131-11-3	6B	Group R: 0.05 mg/kg b.w. Available: limited oral rat chronic toxicity/carcinogenicity study, oral teratogenicity studies in rats and mice, Ames test. Needed: gene mutation and chromosome aberration in mammalian cells *in vitro* and migration data in the first instance.
75640	PHTHALIC ACID, DI-n-DECYL ESTER	00084-77-5	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.

REF No	NAME	CAS No	SCF List	SCF Opinion
75680	PHTHALIC ACID, DI-n-NONYL ESTER	00084-76-4	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
75760	PHTHALIC ACID, DI-n-OCTADECYL ESTER	14117-96-5	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
75840	PHTHALIC ACID, DI-n-OCTYL ESTER	00117-84-0	6B	Group R: 0.05 mg/kg b.w. Available: Ames test, peroxisome proliferation study, oral mouse reproduction study, inadequate oral rat 90-day study, inadequate oral rat chronic toxicity/carcinogenicity study. Needed: gene mutation and chromosome aberration study in mammalian cells *in vitro* and migration data in the first instance.
75850	PHTHALIC ACID DI-n-OCTYL/n-DECYL ESTER	71662-46-9	3	R: 5 mg/kg of food or food simulant. Available: 3 mutagenicity studies negative, 3 months oral rat study, test on liver peroxisome proliferation, migration in aqueous food simulants only. Remark: high migration into fatty food is likely. (RIVM report, 4 September 1995 (= CS/PM/2655).

REF No	NAME	CAS No	SCF List	SCF Opinion
75920	PHTHALIC ACID, DI-n-TRIDECYL ESTER	00119-06-2	6B	Group R: 0.05 mg/kg b.w. Available: Ames test. Needed: remaining toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
76000	PHTHALIC ACID, MIXED ESTERS WITH BUTYL GLYCOLATE AND ALCOHOLS, ALIPH., MONOH., (C1-C4)	-	9	Group R: 0.05 mg/kg b.w.
76005	PHTHALIC ACID, MIXED ESTERS WITH BUTYL GLYCOLATE AND BUTANOL	00085-70-1	6B	Group R: 0.05 mg/kg b.w. Available: 30-day and 1-year oral rat studies and mutagenicity studies – all inadequate. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
76080	PHTHALIC ACID, MIXED ESTERS WITH ETHYL GLYCOLATE AND ALCOHOLS, ALIPH., MONOH., (C1-C4)	-	9	Group R: 0.05 mg/kg b.w.
76085	PHTHALIC ACID, MIXED ESTERS WITH ETHYL GLYCOLATE AND ETHANOL	00084-72-0	6B	Group R: 0.05 mg/kg b.w. Available: 4-month and 2-year rat and 1-year dog studies – all inadequate. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
76120	PHTHALIC ACID, n-HEXADECYL n-OCTADECYL ESTER	68442-70-6	2	Group t-TDI = 0.15 mg/kg b.w. (with 75040). Covered by Group t-TDI for 75040.

REF No	NAME	CAS No	SCF List	SCF Opinion
76160	o-PHTHALIC ACID, n-PENTYL BENZYL ESTER	01240-18-2	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
76320	PHTHALIC ANHYDRIDE	00085-44-9	2	Group TDI: 1 mg/kg b.w. (SCF, 17th Series, 1986).
76400	PIMARICIN	07681-93-8	D	Postponed. Waiting for an answer to the circular letter from EEC (CS/PM/324) asking for information on technological function of the substance. Date limit: 30 June 1990.
76430	PINE OIL	08002-09-3	8	
77030	POLYETHYLENEGLYCOL ALKYL(C12-C14) ETHER SODIUM SULPHATE	68891-38-3	9	
77035	POLYETHYLENEGLYCOL (E0=2-3) ALKYL(C12-C14)ETHER SODIUM SULPHATE	68891-38-3	8-P	
77105	POLYETHYLENEGLYCOL BIS(TALLOW ACYL AMIDO ETHYL)METHYL AMMONIUM METHOSULPHATE	68410-69-5	W8	
77522	POLYETHYLENEGLYCOL (EO = 20-40) ESTER OF CASTOR OIL	61791-12-6	9	
77550	POLYETHYLENEGLYCOL ESTER OF COCONUT OIL FATTY ACIDS	-	2	Group TDI: 10 mg/kg b.w. for all PEG esters of food fatty acids. (CS/PM/1656).
77602	POLYETHYLENEGLYCOL (EO = 40) ESTER OF HYDROGENATED CASTOR OIL	61788-85-0	D	

REF No	NAME	CAS No	SCF List	SCF Opinion
77713	POLYETHYLENEGLYCOL(E0=2) ETHERS OF C18 ALCOHOLS	09005-00-9	9	
77735	POLYETHYLENEGLYCOL ETHER OF DODECYLPHENOL, SODIUM SULPHATE	59269-54-4	9	
77747	POLYETHYLENEGLYCOL ETHER OF OCTYLPHENOL, SODIUM SULPHATE	58853-83-1	9	
77880	POLYETHYLENEGLYCOL ISOTRIDECYL ETHER	09043-30-5	8	
77890	POLYETHYLENEGLYCOL ISOTRIDECYL ETHER SULPHATE, SALTS	-	8	
78140	POLYETHYLENEGLYCOL MONOOCTADECYL ETHER	09005-00-9	8	
78190	POLYETHYLENEGLYCOL MONOOLEYL ETHER	09004-98-2	9	
78440	POLYETHYLENEGLYCOL,4-NONYLPHENYL ETHER	26027-38-3	W7	Needed: in the first instance, information on the composition of the substances used. RIVM doc. CS/PM/2223 (in CS/PM/2223 change title to '4-nonylphenyl-polyethyleneglycol ethers (PM/REF.N.78440)').
79965	POLY(ETHYLENE PROPYLENE)GLYCOL DIOLEATE	67167-17-3	9	
79967	POLY(ETHYLENE PROPYLENE)GLYCOL DISTEARATE	55126-40-4	9	
80365	POLY(ISOBUTYL ACRYLATE)	26335-74-0	9	
80430	POLYMERISATION AIDS (for memo, to be deleted later)	-	D	

REF No	NAME	CAS No	SCF List	SCF Opinion
80895	POLYPROPYLENEGLYCOL ESTERS OF ALIPH., MONOCARB., ACIDS(C6-C22) AND THEIR AMMONIUM AND SODIUM SULPHATES	-	9	
80910	POLYPROPYLENEGLYCOL ETHERS OF MONO-, DI-, AND TRIALKYL(C4-C18)PHENOL	-	9	
81520	POTASSIUM BROMIDE	07758-02-3	1	Group ADI: 1 mg/kg b.w. (as Br) as pesticide residue. See references for ammonium bromide in list 2.
81560	POTASSIUM DITHIONITE	-	8	
81600	POTASSIUM HYDROXIDE	01310-58-3	1	ADI: not specified. (SCF, Rx).
81680	POTASSIUM IODIDE	07681-11-0	1	PMTDI: 0.017 mg/kg b.w. (as I). (JECFA 33 M., 1988).
81720	POTASSIUM SULPHITE	10117-38-1	2	TDI: 0.7 mg/kg b.w. Based on ADI for SO_2. (30th M, JECFA, 1986).
81740	POTATO PROTEIN	-	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
81760	POWDERS, FLAKES AND FIBRES OF BRASS, BRONZE, COPPER, STAINLESS STEEL, TIN AND THEIR ALLOYS	-	2	For copper Group-TDI: 0.5 mg/kg b.w. based upon: PMTDI: 0.5 mg/kg b.w. (JECFA, 26M, 1982). For iron: PMTDI: 0.8 mg/kg b.w. (SCF, 25th Series, 1990). For tin (II): PTWI: 14 mg/kg b.w. (SCF, 25th Series, 1990). For zinc: PMTDI: 1 mg/kg b.w. (SCF, 25th Series, 1990).
81761	POWDERS, FLAKES AND FIBRES OF CHROMIUM, MOLYBDENUM, NICKEL AND THEIR ALLOYS	-	7	Needed: Migration data and justification of use.
81840	1,2-PROPANEDIOL	00057-55-6	1	ADI: 25 mg/kg b.w. (JECFA 17 M., 1973).
81860	1,3-PROPANEDIOL MONO- AND DIALKYL ETHER	-	9	
81880	1-PROPANOL	00071-23-8	3	See references for same substance in monomer report.
81882	2-PROPANOL	00067-63-0	1	t-ADI: 1.5 mg/kg b.w. (SCF, 11th Series, 1981).

REF No	NAME	CAS No	SCF List	SCF Opinion
81920	1-PROPANOL,3-(1,3,3,3-TETRAMETHYL-1-((TRIMETHYL SILYL) OXY) DISILOXANYL)-,HYDROGEN SULPHATE, COMPOUND WITH 2-PROPANAMINE(1:1)	05520-20-7	W	
82000	PROPIONIC ACID	00079-09-4	1	Group ADI: not specified. (SCF, 1st Series, 1974).
82020	PROPIONIC ACID, COBALT SALT	19019-51-3	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.
82050	PROPYLENE CARBONATE	00108-32-7	8	
82080	1.2-PROPYLENEGLYCOL ALGINATE	09005-37-2	1	Group ADI: 25 mg/kg b.w. (JECFA 17 M., 1973).
82160	1,3-PROPYLENEGLYCOL ALGINATE	-	8	
82240	1,2-PROPYLENEGLYCOL DILAURATE	22788-19-8	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	
82400	1,2-PROPYLENEGLYCOL DIOLEATE	00105-62-4	1	Group ADI: 25 mg/kg b.w. (as propyleneglycol) for 1,2-propyleneglycol esters of fatty acids. (JECFA 17 M., 1973).
82480	1,3-PROPYLENEGLYCOL DIOLEATE	00821-69-2	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
82560	1,2-PROPYLENEGLYCOL DIPALMITATE	33587-20-1	1	Group ADI: 25 mg/kg b.w. (as propyleneglycol) for 1,2-propyleneglycol esters of fatty acids. (JECFA 17 M., 1973).
82640	1,2-PROPYLENEGLYCOL DIRICINOLEATE	56414-56-3	7	Needed: hydrolysis and migration data.
82720	1,2-PROPYLENEGLYCOL DISTEARATE	06182-11-2	1	Group ADI: 25 mg/kg b.w. (as propyleneglycol) for 1,2-propyleneglycol esters of fatty acids. (JECFA 17 M., 1973).
82800	1,2-PROPYLENEGLYCOL MONOLAURATE	27194-74-7	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	1,2-PROPYLENEGLYCOL MONOOLEATE	01330-80-9	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	1,2-PROPYLENEGLYCOL MONOPALMITATE	29013-28-3	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	-	8	
83280	1,2-PROPYLENEGLYCOL MONORICINOLEATE	26402-31-3	7	Needed: hydrolysis and migration data.

REF No	NAME	CAS No	SCF List	SCF Opinion
83300	1,2-PROPYLENEGLYCOL MONOSTEARATE	01323-39-3	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).
83375	PROTEINS POSSIBLY HYDROLYSED BY ALKALIS OR ENZYMES, AND THEIR POTASSIUM AND SODIUM SALTS	-	9	
83390	PYROANTIMONIC ACID, POTASSIUM SALT	16210-51-8	6B	R: 0.01 mg/kg of food (as Sb). Needed: actual use in first instance.
83415	PYROMELLITIC ACID TETRAALKYL(C1-C8) ESTER		9	
83440	PYROPHOSPHORIC ACID	02466-09-3	1	MTDI: 70 mg/kg b.w. (as P). (JECFA 26 M., 1982).
83450	PYROPHOSPHORIC ACID, MONODIBUTYLAMINE SALT	59562-58-2	8	Needed: data on dibutylamine according to SCF guidelines.
83455	PYROPHOSPHOROUS ACID	13445-56-2	3	Easily oxidised to phosphoric acid.
83460	PYROPHYLLITE	12269-78-2	3	Inert material.
83470	QUARTZ	14808-60-7	3	Inert material.

REF No	NAME	CAS No	SCF List	SCF Opinion
83480	QUATERNARY AMMONIUM COMPOUNDS, BENZYLBIS(HYDROGENATED TALLOW ALKYL)METHYL, BIS(HYDROGENATED TALLOW ALKYL)DIMETHYLAMMONIUM SALT WITH HECTORITE	121888-67-3	9	
83490	QUATERNARY AMMONIUM COMPOUNDS, BENZYLDIMETHYLOCTADECYL, COMPOUND WITH HECTORITE	-	9	
83500	QUATERNARY AMMONIUM COMPOUNDS, BENZYL(HYDROGENATED TALLOW ALKYL)DIMETHYL, CHLORIDES, COMPOUNDS WITH HECTORITE	71011-26-2	9	
83510	QUATERNARY AMMONIUM COMPOUNDS, BENZYL(HYDROGENATED TALLOW ALKYL)DIMETHYL, CHLORIDES, COMPOUNDS WITH BENTONITE AND SODIUM STEARATE	121888-68-4	9	
83530	QUATERNARY AMMONIUM COMPOUNDS, BENZYL(HYDROGENATED TALLOW ALKYL)DIMETHYL, CHLORIDES, COMPOUNDS WITH BENTONITE	71011-24-0	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
83535	QUATERNARY AMMONIUM COMPOUNDS, COCO ALKYL BIS(HYDROXYETHYL)-METHYL, ETHOXYLATED METHYL SULPHATE	68989-03-7	9	
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	QUATERNARY AMMONIUM COMPOUNDS, BIS(HYDROGENATED TALLOW ALKYL)DIMETHYL, SALTS WITH BENTONITE	68953-58-2	9	
83565	QUATERNARY AMMONIUM COMPOUNDS N,N,N'-TRIS(HYDROXYETHYL)-N,N'-DIMETHYL-N'-TALLOW ALKYLTRIMETHYLENE DI-, BIS(METHYL SULPHATES), SALTS	93572-63-5	W9	
83580/0	RAPESEED OIL (food grade quality)	08002-13-9	D	

REF No	NAME	CAS No	SCF List	SCF Opinion
83580/1	RAPESEED OIL	08002-13-9	3	Food fat.
83595	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	119345-01-6	2	TDI: 0.3 mg/kg b.w. 90-day oral rat study and mutagenicity studies. (Sandoz report 1979).
83610	RESIN ACIDS AND ROSIN ACIDS	73138-82-6	2	Group TDI: 1 mg/kg b.w. (SCF, 17th Series, 1986)
83620	RESIN ACIDS AND ROSIN ACIDS, CERIUM SALTS	-	8	L2 (=1 mg/kg b.w.) for resin acids. L8 for cerium.
83630	RESIN ACIDS AND ROSIN ACIDS, COBALT SALTS	68956-82-1	2-3	L3 for cobalt. R: 0.05 mg/kg of food (as Co). (RIVM, summary data, October 1992) (CS/PM/1707). L2 for resin and rosins acids. TDI: 1 mg/kg b.w.
83640	RESIN ACIDS AND ROSIN ACIDS, LITHIUM SALTS	-	2	L2 (=1 mg/kg b.w.) for resin acids. L2 for lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.

REF No	NAME	CAS No	SCF List	SCF Opinion
83650	RESIN ACIDS AND ROSIN ACIDS, MANGANESE SALTS	09008-34-8	2	L2 (= 1 mg/kg b.w.) for resin acids. L2 for Mn. 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	-	7	L2 (= 1 mg/kg b.w.) for resin acids. L7 for zirconium. See references for 54220.
83670	RICEBRAN OIL, SULPHATED, AMMONIUM, POTASSIUM, OR SODIUM SALT	-	9	
83690	RICINOLEAMIDE	35732-94-6	8	
83700	RICINOLEIC ACID	00141-22-0	2	TDI: 0.7 mg/kg b.w. based on TDI for castor oil. (SCF, 7th Series, 1978).
83720	RICINOLEIC ACID, CERIUM SALT	07492-63-9	8	L2 (=0.7 mg/kg b.w.) for ricinoleic acid. L8 for cerium.
83730	RICINOLEIC ACID, COBALT SALT	?	1-3	L2 (=0.7 mg/kg b.w.) 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	

REF No	NAME	CAS No	SCF List	SCF Opinion
83790	RICINOLEIC ACID, LITHIUM SALT	15467-06-8	2	L2 (= 0.7 mg/kg b.w.) for ricinoleic acid. L2 for lithium. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.
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 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	?	7	L2 (=0.7 mg/kg b.w.) for ricinoleic acid. L7 for zirconium. See references for 54220.
83840	ROSIN	08050-09-7	2	Group TDI: 1 mg/kg b.w. (SCF, 17th Series, 1986).
83920	ROSIN DERIVATIVES	-	9	
84000	ROSIN, ESTER WITH GLYCEROL	08050-31-5	1	ADI = 12.5 mg/kg b.w. (SCF, 32th Series, 1992).
84080	ROSIN, ESTER WITH PENTAERYTHRITOL	08050-26-8	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).

REF No	NAME	CAS No	SCF List	SCF Opinion
84210	ROSIN HYDROGENATED	65997-06-0	2	Group TDI: 1 mg/kg b.w. Included in the TDI for 24070/24130/24190/83610/83840/84080/ 84320/84400/84420. (SCF, 17th Series, 1986).
84240	ROSIN, HYDROGENATED, ESTER WITH GLYCEROL	65997-13-9	3	Toxicologically acceptable.
84320	ROSIN, HYDROGENATED, ESTER WITH METHANOL	08050-15-5	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	ROSIN, HYDROGENATED, ESTER WITH PENTAERYTHRITOL	64365-17-9	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).
84420	ROSIN, PARTIALLY HYDROGENATED	65997-06-0	2	Group TDI: 1 mg/kg b.w. Included in the TDI for 24070/24130/24190/83610/83840/84080/84210 84320/84400. (SCF, 17th Series, 1986).
84440	ROTAMO	-	9	
84640	SALICYLIC ACID	00069-72-7	3	Naturally occurring in food in low concentration.
84720	SALICYLIC ACID, BENZYL ESTER	00118-58-1	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
84800	SALICYLIC ACID, 4-tert-BUTYLPHENYL ESTER	00087-18-3	2	TDI: 0.2 mg/kg b.w. 2-year oral rat study. (RIVM, March 1972).
84880	SALICYLIC ACID, METHYL ESTER	00119-36-8	1	ADI: 0.5 mg/kg b.w. (JECFA 11 M., 1967).
84960	SALICYLIC ACID, PHENYL ESTER	00118-55-8	7	Needed: hydrolysis data.
84990	SATIN WHITE	12344-48-8	9	
85040	SEBACIC ACID, ALKYL (C6-C12) ESTERS	-	9	Group R: 0.05 mg/kg b.w.
85120	SEBACIC ACID, BIS(2-ETHYLHEXYL) ESTER	00122-62-3	6B	Group R: 0.05 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 0.05 mg/kg, peroxisome proliferation studies too.
85200	SEBACIC ACID, BIS(6-METHYLHEPTYL) ESTER	27214-90-0	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
85280	SEBACIC ACID, BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDYL) ESTER	52829-07-9	7	Available: 4 mutagenicity studies. Needed: migration data, use, stability during production and use.

REF No	NAME	CAS No	SCF List	SCF Opinion
85360	SEBACIC ACID, DIBUTYL ESTER	00109-43-3	3	Toxicologically acceptable (hydrolyses in intestinal fluid to sebacic acid and butanol). Available: migration data in olive oil; hydrolysis data; inadequate semichronic oral rat and chronic oral rat and reproduction study; inadequate Ames test; inadequate Drosophila study; inadequate micronucleus assay; three adequate *in vitro* mutagenicity studies; peroxisome proliferations study. (RIVM/TNO July 1996, = CS/PM/2860)
85440	SEBACIC ACID, DIMETHYL ESTER	00106-79-6	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
85520	SEBACIC ACID, DI-n-OCTYL ESTER	02432-87-3	6B	Group R: 0.05 mg/kg b.w. Available: 'data inadequate' (extract from Lefaux book'. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
85550	SHELLAC	09000-59-3	1	ADI: acceptable. (SCF, 26th Series, 1992).

REF No	NAME	CAS No	SCF List	SCF Opinion
85570	SILANE COUPLED SILICA PREPARED FROM THE REACTION OF MICROCRYSTALLINE QUARTZ WITH N-BETA-(N-VINYL-BENZYLAMINO)ETHYL-GAMMA-AMINOPROPYLTRIMETHOXYSILANE, MONOHYDROGEN CHLORIDE	-	9	
85600	SILICATES, NATURAL (with the exception of asbestos)	-	3	Inert material. Some specific silicates have been allocated an ADI, not specified (25th Series report).
85610	SILICATES, NATURAL, SILANATED (with the exception of asbestos)	-	3	Inert material.
85680	SILICIC ACID	01343-98-2	2	TDI: not specified based on ADI: not specified for silicon dioxide.
85700	SILICIC ACID, BARIUM SALT	12650-28-1	3	L3 for silicic acid. L3 for barium. R: 1 mg/kg in food. (RIVM doc., May 1992 (CS/PM/1584)).

REF No	NAME	CAS No	SCF List	SCF Opinion
85760	SILICIC ACID, LITHIUM ALUMINIUM SALT(2:1:1)	12068-40-5	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 b.w. (as Al) based on PTWI: 7 mg/kg b.w. (as Al). (SCF, 25th Series, 1991). L3 for silicic acid. Inert, insoluble material.
85840	SILICIC ACID, LITHIUM MAGNESIUM SODIUM SALT	53320-86-8	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.
85920	SILICIC ACID, LITHIUM SALT	12627-14-4	2-3	Group TDI: 0.01 mg/kg b.w. (as Li). See references for benzoic acid, lithium salt. L3 for silicic acid. Inert and insoluble material.
85980	SILICIC ACID, SALTS	-	2	TDI: not specified, based on ADI: not specified for silicon dioxide.
86000	SILICIC ACID, SILANATED	-	3	Inert material.
86030	SILICIC ACID, TETRABUTYL ESTER	04766-57-8	8	
86050	SILICIC ACID, TETRAETHYL ESTER	00078-10-4	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
86080	SILICIC ACID, ZIRCONIUM SALT	10101-52-7	7	L3 for silicic acid. L7 for zirconium. See references for 54220.
86160	SILICON CARBIDE	00409-21-2	3	Inert material.
86240	SILICON DIOXIDE	07631-86-9	1	ADI: not specified. (SCF, Rx).
86260	SILICON DIOXIDE AMORPHOUS, FLUORINATED	-	8	
86280	SILICON DIOXIDE AMORPHOUS, SILANATED	-	3-D	Inert material.
86285	SILICON DIOXIDE, SILANATED	-	3	Inert material.
86300	SILICONE OILS	63148-62-9	9	
86340	SILICON OXIDE	11126-22-0	9	
86402	SILOXANES AND SILICONES, DIMETHYL, HEXADECYLMETHYL, METHYL OCTADECYL	68037-78-5	9	
86404	SILOXANES AND SILICONES, DIMETHYL, HEXADECYLMETHYL, OCTADECYL METHYL, 11-METHOXY-11-OXOUNDECYLMETHYL	-	9	
86406	SILOXANES AND SILICONES, DIMETHYL, 3-HYDROXYPROPYL METHYL, ETHOXYLATED	68937-54-2	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
86408	SILOXANES AND SILICONES, DIMETHYL, 3-HYDROXYPROPYL METHYL, ETHOXYLATED PROPOXYLATED	68937-55-3	9	
86410	SILOXANES AND SILICONES, DIMETHYL, HYDROXY-TERMINATED, ETHERS WITH POLYETHYLENE-POLYPROPYLENEGLYCOL MONOBUTYL ETHER	129893-29-4	9	
86412	SILOXANES AND SILICONES, DIMETHYL, HYDROXY-TERMINATED, ETHERS WITH POLYPROPYLENEGLYCOL MONOBUTYL ETHER	67762-96-3	9	
86414	SILOXANES AND SILICONES, DIMETHYL, HYDROXY-TERMINATED, ETHOXYLATED PROPOXYLATED	64365-23-7	9	
86416	SILOXANES AND SILICONES, DIMETHYL, METHYLOCTADECYL	67762-83-8	9	
86418	SILOXANES AND SILICONES, DIMETHYL, POLYMERS WITH METHYLSILSESQUIOXANES, ETHOXY-TERMINATED	68554-66-5	9	
86420	SILOXANES AND SILICONES, DIMETHYL, POLYMERS WITH METHYLSILSESQUIOXANES, HYDROXY-TERMINATED	68554-67-6	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
86422	SILOXANES AND SILICONES, DIMETHYL, POLYMERS WITH METHYLSILSESQUIOXANES AND POLYETHYLENE-POLYPROPYLENEGLYCOL MONOBUTYL ETHER	68554-65-4	9	
86424	SILOXANES AND SILICONES, DIMETHYL, POLYMERS WITH METHYLSILSESQUIOXANES AND POLYPROPYLENEGLYCOL MONOBUTYL ETHER	68554-64-3	9	
86440	SODIUM ALUMINATE	?	2	TDI: 1 mg/kg b.w. (as Al) based on PTWI: 7 mg/kg b.w. (as Al). (SCF, 25th Report, 1991).
86480	SODIUM BISULPHITE	07631-90-5	1	Group ADI: 0.7 mg/kg b.w. (JECFA 27 M., 1983).
86560	SODIUM BROMIDE	07647-15-6	1	Group ADI: 1 mg/kg b.w. (as Br) as pesticide residue. See references for ammonium bromide in list 2.
86640	SODIUM CARBOXYMETHYLCELLULOSE	09004-32-4	D	Group TDI not specified for natural, regenerated and modified cellulose (SCF, 7th Report, 1978 and JECFA 17 M., 1973 and following).
86655	SODIUM DIALKYLSULPHONIMIDES	-	9	
86670	SODIUM DITHIONITE	07775-14-6	8	
86720	SODIUM HYDROXIDE	01310-73-2	1	ADI: not specified. (SCF, Rx).
86800	SODIUM IODIDE	07681-82-5	1	PMTDI: 0.017 mg/kg b.w. (as I) (JECFA 33 M., 1988).

REF No	NAME	CAS No	SCF List	SCF Opinion
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.
86920	SODIUM NITRITE	07632-00-0	3	R: 0.01 mg/kg b.w. based on allowing one tenth of t-TDI for food packaging uses. (SCF, 26th Series, 1992).
86960	SODIUM SULPHITE	07757-83-7	1	Group ADI: 0.7 mg/kg b.w. (JECFA 27 M., 1983).
87040	SODIUM TETRABORATE	01330-43-4	2	Group TDI: 0.2 mg/kg b.w. (as B). See references for boric acid.
87120	SODIUM THIOSULPHATE	07772-98-7	1	Group ADI: 0.7 mg/kg b.w. as SO2. Included in the group ADI for sulphites. (JECFA 27 M., 1983).
87200	SORBIC ACID	00110-44-1	1	ADI: 25 mg/kg b.w. (SCF, 6th Series, 1978).
87280	SORBITAN DIOLEATE	29116-98-1	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	SORBITAN ISOSTEARATE	71902-01-7	9	
87520	SORBITAN MONOBEHENATE	62568-11-0	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	54392-26-6	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
87600	SORBITAN MONOLAURATE	01338-39-2	1	Group ADI: 5 mg/kg b.w. for sorbitan monolaurate and sorbitan monooleate. (SCF, 7th Series, 1978).
87680	SORBITAN MONOOLEATE	01338-43-8	1	Group ADI: 5 mg/kg b.w. for sorbitan monolaurate and sorbitan monooleate. (SCF, 7th Series, 1978).
87760	SORBITAN MONOPALMITATE	26266-57-9	1	Group ADI: 25 mg/kg b.w. for sorbitan monostearate, sorbitan monopalmitate and sorbitan tristearate. (SCF, 7th Series, 1978).
87840	SORBITAN MONOSTEARATE	01338-41-6	1	Group ADI: 25 mg/kg b.w. for sorbitan monostearate, sorbitan monopalmitate and sorbitan tristearate. (SCF, 7th Series, 1978).
87880	SORBITAN SESQUIOLEATE	08007-43-0	7	Needed: hydrolysis data.
87920	SORBITAN TETRASTEARATE	61752-68-9	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	SORBITAN TRIISOSTEARATE	54392-27-7	9	
88080	SORBITAN TRIOLEATE	26266-58-0	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	SORBITAN TRIPALMITATE	54140-20-4	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).

REF No	NAME	CAS No	SCF List	SCF Opinion
88240	SORBITAN TRISTEARATE	26658-19-5	1	Group ADI: 25 mg/kg b.w. for sorbitan monostearate, sorbitan monopalmitate and sorbitan tristearate. (SCF, 7th Series, 1978).
88320	SORBITOL	00050-70-4	1	Acceptable. (SCF, 16th Series, 1985).
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.
88510	SORBITOL, ESTERS WITH LAURIC ACID	?	7	Needed: hydrolysis data.
88520	SORBITOL, ESTERS WITH LINOLEIC ACID	?	7	Needed: hydrolysis data.
88530	SORBITOL, ESTERS WITH MYRISTIC ACID	?	7	Needed: hydrolysis data.
88540	SORBITOL, ESTERS WITH OLEIC ACID	?	7	Needed: hydrolysis data.
88550	SORBITOL, ESTERS WITH PALMITIC ACID	?	7	Needed: hydrolysis data.
88570	SORBITOL, ESTERS WITH PELARGONIC ACID	?	7	Needed: hydrolysis data.
88580	SORBITOL, ESTERS WITH RICINOLEIC ACID	?	7	Needed: hydrolysis data.
88590	SORBITOL, ESTERS WITH STEARIC ACID	?	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
88600	SORBITOL MONOSTEARATE	26836-47-5	2	TDI = not specified based on the ADI for sorbitol. (SCF, 17th Series, 1986).
88615/0	SOYA PROTEIN	68153-28-6	0	
88615/1	SOYA PROTEIN	68153-28-6	9	
88630/0	SOYBEAN OIL (food grade quality)	08001-22-7	D	
88630/1	SOYBEAN OIL	08001-22-7	3	Food fat.

REF No	NAME	CAS No	SCF List	SCF Opinion
88640	SOYBEAN OIL, EPOXIDISED	08013-07-8	2	The SCF-WG confirmed that the specification for soya bean oil should be maintained because it is toxicologically relevant. The oxirane figure reflects the degree of epoxidisation and the iodine number reflects the degree of unsaturation of the material toxicologically tested. TDI: 1 mg/kg b.w. Available: 15-week and 2-year oral rat studies and 1-year oral dog study, reproduction and teratogenicity studies. ADIs and TDIs are allocated in the light of lifelong average exposure and allowing for sporadic intakes above the set limits. For infants, however, the actual consumption pattern surveys have revealed intakes for prolonged periods of time which may exceed the TDI. (BIBRA report No 515/86; summary report prepared by the United Kingdom, January 1988).
88680	SPERMACETI WAX	08002-23-1	8	
88710	SPERM OIL	08002-24-2	8	
88720	SPERM OIL, HYDROGENATED	-	8	
88740	SPERM OIL, SULPHATED, AMMONIUM, POTASSIUM, OR SODIUM SALT	-	9	
88800	STARCH, EDIBLE	09005-25-8	0	
88880	STARCH, HYDROLYSED	68412-29-3	0	
88910	STARCH, MODIFIED	-	9	
88960	STEARAMIDE	00124-26-5	3	Same references as 68960.

REF No	NAME	CAS No	SCF List	SCF Opinion
89040	STEARIC ACID	00057-11-4	1	ADI: not specified. (SCF, 25th Series, 1990).
89120	STEARIC ACID, BUTYL ESTER	00123-95-5	7	Needed: hydrolysis data.
89150	STEARIC ACID, CERIUM SALT	10119-53-6	8	L1 (= not specified) for stearic acid. L8 for cerium.
89165	STEARIC ACID, COBALT SALT	13586-84-0	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	STEARIC ACID, COBALT SALT	13586-84-0	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.
89200	STEARIC ACID, COPPER SALT	07617-31-4	2	Group-TDI: 0.5 mg/kg b.w. (as Cu). Based upon PMTDI 0.5 mg/kg b.w. (JECFA 26 M., 1982).
89240	STEARIC ACID, DIGLYCERIDE	01323-83-7	D	
89280	STEARIC ACID, DODECYL ESTER	05303-25-3	7-P	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
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	STEARIC ACID, ESTERS WITH PENTAERYTHRITOL	08045-34-9	7	Needed: hydrolysis data.
89600	STEARIC ACID, ETHYL ESTER	00111-61-5	7	Needed: hydrolysis data.
89680	STEARIC ACID, 2-ETHYLHEXYL ESTER	22047-49-0	7	Needed: hydrolysis data.
89840	STEARIC ACID, HEPTYL ESTER	24466-84-0	7	Needed: hydrolysis data.
89920	STEARIC ACID, HEXADECYL ESTER	01190-63-2	7	Needed: hydrolysis data.
89950	STEARIC ACID, HEXYL ESTER	03460-37-5	7	Needed: hydrolysis data.
90000	STEARIC ACID, ISOBUTYL ESTER	00646-13-9	7	Needed: hydrolysis data.
90080	STEARIC ACID, ISODECYL ESTER	31565-38-5	8	
90260	STEARIC ACID, LITHIUM SALT	04485-12-5	1-2	L1 (= not specified) for stearic acid. L2 for Li. Group TDI: 0.01 mg/kg b.w. (as Li). See references for 38000 in L2 in this report.
90290	STEARIC ACID, MANGANESE SALT	10476-84-3	1-2	L1 for stearic acid. ADI: not specified. See references for stearic acid. L2 for Mn. Group TDI: 0.01 mg/kg b.w. (as Mn). See references for 30180 in L2 in this report.
90305	STEARIC ACID, NONYL ESTER	28084-19-7	9	
90320	STEARIC ACID, OCTADECYL ESTER	02778-96-3	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
90400	STEARIC ACID, OCTYL ESTER	00109-36-4	7	Needed: hydrolysis data.
90480	STEARIC ACID, PENTYL ESTER	06382-13-4	7	Needed: hydrolysis data
90560	STEARIC ACID, 2-STEARAMIDOETHYL ESTER	14351-40-7	7	Needed: hydrolysis data.
90600	STEARIC ACID, TIN(II) SALT	06994-59-8	1-1	L1 for the stearic acid. ADI: not specified. See references for stearic acid. L1 for Tin. PTWI: 14 mg/kg b.w. (33rd, JECFA, 1989)
90640	STEARIC ACID, TRIDECYL ESTER	31556-45-3	7	Needed: hydrolysis data.
90680	STEARIC ACID, ZIRCONIUM SALT	15844-92-5	7	L1 (= not specified) for stearic acid. L7 for zirconium. See references for 54220.
90720	STEAROYLBENZOYLMETHANE	58446-52-9	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).
90800	STEAROYL-2-LACTYLIC ACID, CALCIUM SALT	05793-94-2	1	ADI: 20 mg/kg b.w. (SCF, 7th Series, 1978).
90880	N-STEAROYLSARCOSINE	00142-48-3	8	
90960	SUCCINIC ACID	00110-15-6	1	ADI: not specified. (SCF, 25th Series, 1990).
91040	SUCCINIC ACID, DIISODECYL ESTER	28801-70-9	8	
91120	SUCCINIC ACID, DIISOOCTYL ESTER	28880-24-2	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
91135	SUCCINIC ACID, DIMETHYL ESTER	00106-65-0	7	Needed: hydrolysis data.
91170	SUCCINIC ANHYDRIDE	00108-30-5	2	TDI: not specified based on ADI (= not specified) for succinic acid.
91185	SUCROSE	00057-50-1	0	
91200	SUCROSE ACETATE ISOBUTYRATE	00126-13-6	1	ADI: 10 mg/kg b.w. (SCF, Series, in press) (CS/PM/1561).
91280	SUCROSE ESTERS OF MONOCARB. ACIDS	-	9	
91360	SUCROSE OCTAACETATE	00126-14-7	3	Bitter taste.
91440	SULPHORICINIC ACID, SALTS	-	9	
91480	SULPHORICINOLEIC ACID	?	8	
91520	SULPHOSUCCINIC ACID	05138-18-1	8	
91540	SULPHOSUCCINIC ACID, ALKYL(C4-C20) ESTERS, SALTS	-	9-P	Group R: 0.05 mg/kg b.w.
91560	SULPHOSUCCINIC ACID, BIS(1,3-DIMETHYLBUTYL) ESTER, SODIUM SALT	02373-38-8	6B-P	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies.
91570	SULPHOSUCCINIC ACID, BIS(2-ETHYLHEXYL)ESTER	10041-19-7	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
91580	SULPHOSUCCINIC ACID, DICYCLOHEXYL ESTER, SODIUM SALT	23386-52-9	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
91630	SULPHOSUCCINIC ACID, DIHEXYL ESTER, SODIUM SALT	03006-15-3	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
91650	SULPHOSUCCINIC ACID, DIISOBUTYL ESTER, SODIUM SALT	00127-39-9	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
91665	SULPHOSUCCINIC ACID, DIISODECYL ESTER, SODIUM SALT	29857-13-4	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
91672	SULPHOSUCCINIC ACID, DIISOTRIDECYL ESTER, SODIUM SALT	55184-72-0	6B-P	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
91680	SULPHOSUCCINIC ACID, DIOCTYL ESTER, SODIUM SALT	01639-66-3	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
91720	SULPHOSUCCINIC ACID, DIPENTYL ESTER, SODIUM SALT	00922-80-5	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.

REF No	NAME	CAS No	SCF List	SCF Opinion
91760	SULPHOSUCCINIC ACID, DITRIDECYL ESTER, SODIUM SALT	02673-22-5	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
91780	SULPHOSUCCINIC ACID, 4-(2-((12-HYDROXY-1-OXOOLEYL)-AMINO)ETHYL)ESTER, DISODIUM SALT	67893-42-9	W8	
91800	SULPHOSUCCINIC ACID, ISODECYL ESTER, DISODIUM SALT	37294-49-8	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
91840	SULPHUR	07704-34-9	3	Inert material.
91920	SULPHURIC ACID	07664-93-9	1	ADI: not specified. (SCF, Rx).
92000	SULPHURIC ACID, BARIUM SALT	07727-43-7	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	SULPHURIC ACID, CHROMIUM (III) POTASSIUM SALT (2:1:1)	10141-00-1	7	Needed: migration data in the first instance.

REF No	NAME	CAS No	SCF List	SCF Opinion
92030	SULPHURIC ACID, COPPER SALT	10124-44-4	2	L1 for sulphuric acid. ADI = not specified. See references for sulphuric acid in list 1. L2 for copper(II). Group-TDI: 0.5 mg/kg b.w. for copper Based upon PMTDI 0.5 mg/kg b.w. (JECFA, 26M, 1982).
92060	SULPHURIC ACID, TIN(II) SALT	07488-55-3	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	TALC	14807-96-6	1	ADI: not specified. (SCF, Rx).
92100	TALLOW	61789-97-7	3	Toxicologically acceptable.
92120	TALLOW, SULPHATED, AMMONIUM, POTASSIUM, OR SODIUM SALT	-	9	
92140	TAMARIND SEED GUM	39386-78-2	9	
92150	TANNIC ACIDS	01401-55-4	3	Toxicologically acceptable with JECFA specifications. (Doc. 1 February1995 = CS/PM/2536)
92160	TARTARIC ACID	00087-69-4	1	ADI: 30 mg/kg b.w. (SCF, Rx).
92180	TARTARIC ACID, DIBUTYL ESTER	00087-92-3	7	Needed: hydrolysis data.

REF No	NAME	CAS No	SCF List	SCF Opinion
92195	TAURINE SALTS	-	0	
92205	TEREPHTHALIC ACID, DIESTER WITH 2,2'-METHYLENEBIS(4-METHYL-6-tert-BUTYLPHENOL)	57569-40-1	2	TDI: 1 mg/kg b.w. A 90-day oral rat study. (CIVO report 5569, December 1977).
92220	TERPENE RESINS	-	9	
92250	TETRABUTYLPHOSPHONIUM ACETATE	30345-49-4	8	
92300	1-TETRADECANOL	00112-72-1	3	Included in 33120. Same references as 25070.
92350	TETRAETHYLENEGLYCOL	00112-60-7	1	ADI: 10 mg/kg b.w. (SCF, 17th Series, 1986).
92400	N.N'-TETRAETHYLTHIURAM DISULPHIDE	00097-77-8	8	
92430	TETRAHYDROFURAN	00109-99-9	2	See references for same substance in monomer report.
92450	TETRAHYDROFURFUROL	00097-99-4	8	
92480	TETRAKIS(2,4-DI-tert-BUTYLPHENYL)-2,4'-BIPHENYLYLENE DIPHOSPHONITE	-	7	Needed: neurotoxicity study in hens.
92560	TETRAKIS(2,4-DI-tert-BUTYL-PHENYL)-4,4'-BIPHENYLYLENE DIPHOSPHONITE	38613-77-3	2	TDI: 0.3 mg/kg b.w. 90-day oral rat study and mutagenicity studies. (Sandoz report 1979).
92640	N.N.N.'N'-TETRAKIS(2-HYDROXYPROPYL)ETHYLENEDIAMINE	00102-60-3	2	TDI: 1 mg/kg b.w. (SCF, 17th Series, 1986).
92670	TETRAMETHYLAMMONIUMCHLORIDE	00075-57-0	8	
92685	2,4,7,9-TETRAMETHYL-5-DECYNE-4,7-DIOL	00126-86-3	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
92695	1,1,7,7-TETRAMETHYLDIETHYLENETRIAMINE	40538-81-6	8	
92705	N,N,N',N'-TETRAMETHYLHEXAMETHYLENEDIAMINE	00111-18-2	8	
92720	N.N'-TETRAMETHYLTHIURAM DISULPHIDE	00137-26-8	8	
92740	TETRAPROPYLENE BENZENE SULPHONIC ACID, SODIUM SALT	11067-82-6	8	
92800	4,4'-THIOBIS(6-tert-BUTYL-3-METHYLPHENOL)	00096-69-5	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).
92860	THIOCYANIC ACID, AMMONIUM SALT	01762-95-4	8	
92880	THIODIETHANOL BIS(3-(3,5-DI-tert-BUTYL-4-HYDROXY PHENYL) PROPIONATE	41484-35-9	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).
92930	THIODIETHANOL-BIS(5-METHOXYCARBONYL-2-6-DIMETHYL-1,4-DIHYDROPYRIDINE-3-CARBOXYLATE)	120218-34-0	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).
92960	THIODIPROPIONIC ACID	00111-17-1	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
93000	THIODIPROPIONIC ACID, BIS(2-ETHYLHEXYL) ESTER	10526-15-5	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
93040	THIODIPROPIONIC ACID, DIBEHENYL ESTER	-	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
93200	THIODIPROPIONIC ACID, DIHEXADECYL ESTER	03287-12-5	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
93360	THIODIPROPIONIC ACID, DITETRADECYL ESTER	16545-54-3	6B	Group R: 0.05 mg/kg b.w. Needed: toxicological data depending on migration level (see SCF guidelines) and, if migration exceeds 0.05 mg/kg, peroxisome proliferation studies too.
93375	THIOPHENOXYPHENYLSULPHONIUM HEXAFLUOROANTIMONATE	71449-78-0	8	
93390	THIOPHENOXYPHENYLSULPHONIUM HEXAFLUOROPHOSPHATE	68156-13-8	8	
93415	TIN(II) CHLORIDE	07772-99-8	1	PTWI: 14 mg/kg b.w. (JECFA 1989)....
93420	TIN(IV) CHLORIDE	07646-78-8	1	PTWI: 14 mg/kg b.w. (JECFA 33rd Report 1989).
93440	TITANIUM DIOXIDE	13463-67-7	1	Acceptable. (SCF, 1st Series, 1975).
93470	TITANIUM HYDROXIDE	20338-08-3	8	

REF No	NAME	CAS No	SCF List	SCF Opinion
93490	TITANIUM OXIDE	51745-87-0	9	
93520	alpha-TOCOPHEROL	00059-02-9 10191-41-0	1	Acceptable. (SCF, 22th Series, 1989).
93540	TOLUENE	00108-88-3	3	R: 1.2 mg/kg of food. See references for the same substance (PM REF. 25205) in monomer report.
93560	TOLUENESULPHONIC ACIDS	-	9	
93585	p-TOLUENESULPHONIC ACID	00104-15-4	8	
93595	p-TOLUENESULPHONIC ACID, METHYL ESTER	00080-48-8	8	
93610	p-TOLUENESULPHONIC ACID, MORPHOLINE SALT	13732-62-2	5	Due to morpholine component.
93630	TOLUENESULPHONYL CHLORIDE		9	
93680	TRAGACANTH GUM	09000-65-1	1	ADI: not specified. (SCF, 21th Series, 1989).
93720	2,4,6-TRIAMINO-1,3,5-TRIAZINE	00108-78-1	2	TDI: 0.5 mg/kg b.w. (SCF, 17th Series, 1986).
93790	TRIBUTYLAMINE	00102-82-9	8	
93840	TRICHLOROCYANURIC ACID	00087-90-1	D	Postponed. Waiting for an answer to the circular letter from EEC (CS/PM/324) asking for information on technological function of the substance. Date limit: 30 June 1990.
93920	TRICHLOROFLUOROMETHANE	00075-69-4	7	Needed: migration data and specifications.
93940	TRICHLOROPHENOL, POTASSIUM SALT	01320-78-1	9	
93950	TRICHLOROPHENOL, SODIUM SALT	01320-79-2	9	

REF No	NAME	CAS No	SCF List	SCF Opinion
93970	TRICYCLODECANEDIMETHANOL BIS(HEXAHYDROPHTHALATE)	Not available	W7	Available: Inadequate migration data, 30-day oral rat study, 4 mutagenicity studies. Needed: solubility, analytical data and information on impurities in first instance. (RIVM SDS CS/PM/2426; TNO 29 April 1995 = CS/PM/2590).
93980	1-TRIDECANOL	00112-70-9	3	See references for 'Alcohols, aliphatic, monohydric, saturated, linear, primary, (C4-C24)' (PM/REF.N.33120) in SCF list 3.
94000	TRIETHANOLAMINE	00102-71-6	8	
94040	TRIETHANOLAMINE ALKYL(C8-C14)SULPHATE	85665-45-8	D	
94060	TRIETHANOLAMINE ALKYL(C12-C14)SULPHATE	90583-18-9	D	
94080	TRIETHANOLAMINE ALKYLSULPHURIC ACIDS, SALTS	-	D	
94081	TRIETHANOLAMINE ALKYL(C8-C22)SULPHURIC ACIDS, LINEAR, PRIMARY, EVEN NUMBERED AND ITS SALTS	-	8	For alkyl(C8-C22)sulphuric acids, linear, primary, even numbered. L3. Toxicologically acceptable. Same references as for 34281. For triethanolamine. L8.

REF No	NAME	CAS No	SCF List	SCF Opinion
94100	TRIETHANOLAMINE OLEATE	02717-15-9	8	L8 for triethanolamine. L1 for oleic acid. ADI: not specified. (SCF, 25th Series, 1990).
94160	TRIETHOXYMETHANE	00122-51-0	8	
94240	TRIETHYL ACETYLCITRATE	00077-89-4	8	
94270	TRIETHYLAMINE	00121-44-8	8	
94300	TRIETHYLENEDIAMINE	00280-57-9	8	
94320	TRIETHYLENEGLYCOL	00112-27-6	2	Group TDI: 5 mg/kg b.w. (with polyethyleneglycol). (SCF, 17th Series, 1986).
94400	TRIETHYLENEGLYCOL BIS(3-(3-tert-BUTYL-4-HYDROXY -5-METHYLPHENYL) PROPIONATE)	36443-68-2	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, 1 September 1989).
94480	TRIFLUOROTRICHLOROETHANE	26523-64-8	7	Needed: migration data and specification.
94520	2,4,5-TRIHYDROXYBUTYROPHENONE	01421-63-2	8	
94560	TRIISOPROPANOLAMINE	00122-20-3	3	R: 5 mg/kg of food. Available: migration, 3 negative mutagenicity tests, 90-day oral rat and dog studies. (CS/PM/2324). Hydrophilic so no data on bioaccumulation required.
94680	TRIMELLITIC ACID, TRIALKYL(C1-C8) ESTER	-	9	Group R = 0.05 mg/kg b.w.
94720	TRIMELLITIC ACID, TRIALKYL(C7-C9) ESTER	68515-60-6	W9	Group R: 0.05 mg/kg b.w.

REF No	NAME	CAS No	SCF List	SCF Opinion
94760	TRIMELLITIC ACID, TRIISOOCTYL ESTER	27251-75-8	9	Group R: 0.05 mg/kg b.w.
94800	TRIMELLITIC ACID, TRIS(2-ETHYLHEXYL) ESTER	03319-31-1	W6 B	Group R: 0.05 mg/kg b.w. Available: Ames test and indication of peroxisome proliferation. Needed: peroxisome proliferation study and tests for gene mutation and chromosome aberrations in mammalian cells *in vitro*.
94840	TRIMETHYLAMMONIUM CHLORIDE	00593-81-7	8	
94880	TRIMETHYLETHANOLAMMONIUM CHLORIDE	00067-48-1	8	
94960	1,1,1-TRIMETHYLOLPROPANE	00077-99-6	2	TDI = 0.1 mg/kg b.w. (SCF, 17th Series, 1986).
95040	2,3,6-TRIMETHYLPYRIDINE	01462-84-6	8	
95120	2,4,6-TRIMETHYLPYRIDINE	00108-75-8	8	
95200	1,3,5-TRIMETHYL-2,4,6-TRIS(3,5-DI-tert-BUTYL-4-HYDROXYBENZYL)BENZENE	01709-70-2	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).
95230	TRIPHENYLPHOSPHINE	00603-35-0	8	
95280	1,3,5-TRIS(4-tert-BUTYL-3-HYDROXY-2,6-DIMETHYLBENZYL)-1,3,5-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE	40601-76-1	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.

REF No	NAME	CAS No	SCF List	SCF Opinion
95360	1,3,5-TRIS(3,5-DI-tert-BUTYL-4-HYDROXYBENZYL)-1,3,5-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE	27676-62-6	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	2,4,6-TRIS((DIMETHYLAMINO)METHYL)PHENOL	00090-72-2	8	
95440	TRIS(2-ETHYLHEXYL) ACETYLCITRATE	00144-15-0	6B	Group R: 0.05 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	1,1,3-TRIS(2-METHYL-4-DITRIDECYL PHOSPHITE-5-tert-BUTYLPHENYL) BUTANE	68958-97-4	8	
95680	VANILLIN	00121-33-5	1	ADI: 10 mg/kg b.w. (JECFA 11 M., 1967).
95710	VEGETABLE OILS, FROM FOOD SOURCES, HYDROGENATED OR NOT	-	3	Food fats or similar to food fats.
95725	VERMICULITE, REACTION PRODUCT WITH CITRIC ACID, LITHIUM SALT	110638-71-6*	2	Group TDI: 0.01 mg/kg b.w. as Li (see references for 38000). Available: Migration data, 28-day oral rat study, Ames test, *in vivo* micronucleus test. No further data needed in view of its mineral nature. (RIVM SDS CS/PM/2423).
95810	VINYLPYRROLIDONE	00088-12-0	6A	
95855	WATER	07732-18-5	0	Specification: Impurity levels not to exceed those set in the drinking water directive.

REF No	NAME	CAS No	SCF List	SCF Opinion
95859	WAXES, HIGHLY REFINED, DERIVED FROM PETROLEUM BASED OR SYNTHETIC HYDROCARBON FEEDSTOCKS	-	2	Group ADI: 20 mg/kg b.w. for waxes conforming to the following specification: Viscosity not less than 11 centiStokes at 100 °C; Carbon number not less than 25 at the 5 % boiling point. Average molecular weight not less than 500.
95870	WHEAT PROTEIN	-	0	
95880	WHITE MINERAL OIL	08042-47-5	9	
95881	WHITE MINERAL OIL (HYDROGENATED)	-	D	
95882	WHITE MINERAL OIL (CONVENTIONAL)	08042-47-5	D	
95883	WHITE MINERAL OILS, PARAFFINIC, DERIVED FROM PETROLEUM BASED HYDROCARBON FEEDSTOCKS	-	2	Group ADI = 4 mg/kg b.w. for oils conforming to the following specifications: Viscosity: not less than 8.5 centiStokes at 100 °C; Carbon number: not less than 25 at the 5 % boiling point; Average molecular weight: not less than 480.
95905	WOLLASTONITE	13983-17-0	3	Inert material.
95920	WOOD FLOUR AND FIBRES, UNTREATED	-	3	Inert material.
95921	WOOD FLOUR AND FIBRES	-	9	Confirmed.
95935	XANTHAN GUM	11138-66-2	1	ADI: not specified. (30th, JECFA, 1986).

REF No	NAME	CAS No	SCF List	SCF Opinion
95945	XYLENE	01330-20-7	3	Group R: 0.02 mg/kg b.w. (with 95947, 95949, 95951) based on allowing one tenth of TDI for food contact materials. 2-year oral rat study, mutagenicity test negative. (WHO draft, Geneva, September 1952) (CS/PM/1712).
95990	ZEIN	09010-66-6	0	
96000	ZINC ALKYLARYLDITHIOCARBAMATE	-	9	
96080	ZINC DIALKYLDITHIOCARBAMATE	-	9	
96160	ZINC DIBUTYLDITHIOCARBAMATE	00136-23-2	8	
96170	ZINC DIETHYLDITHIOCARBAMATE	14324-55-1	8	
96180	ZINC DUST	-	2	Group TDI = 1 mg/kg b.w.(as Zn) based on JECFA PMTDI = 1 mg/kg b.w. (as Zn) (JECFA, 26M, 1982).
96190	ZINC HYDROXIDE	20427-58-1	2	Same reference as for 96180.
96200	ZINC HYDROXYPHOSPHITE	55799-16-1	2-3	L2 for Zn For zinc the same reference as for 96180. L3 for phosphite. Phosphite easily oxidised to phosphate.
96240	ZINC OXIDE	01314-13-2	2	Same reference as for 96180.
96320	ZINC SULPHIDE	01314-98-3	2	Same reference as for 96180.
96400	ZIRCONIUM OXIDE	53801-45-9	7	L7 for zirconium. See references for 54220.
96480	ZIRCONYL AMMONIUM CARBONATE	32535-84-5	7	See references for 54220.

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The members are independent persons, highly qualified in fields associated with medicine, nutrition, toxicology, biology, chemistry, or other similar disciplines.

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