Rec'd 8/18/69

MCA MANUFACTURING CHEMISTS ASSOCIATION
1825 CONNECTICUT AVENUE, N. W. • WASHINGTON, D. C. 20009 • (202) 483-6126

August 13, 1969

TO: Food, Drug, and Cosmetic Chemicals Committee

SUBJECT: Tentative Agenda for September 11, 1969 Meeting

Gentlemen:

Enclosed is a copy of the agenda for the September 11, 1969 meeting which will be held in the sixth floor conference room of the American Cyanamid Company, Time-Life Building, New York City, starting at 10:00 a.m. The Time-Life Building is on the Avenue of the Americas opposite the Radio City Music Hall.

Sincerely yours,

M. M. Hoover, Secretary
Food, Drug, and Cosmetic
Chemicals Committee

MMH:gr
Attachment

Distribution "B"

ASI 00002260

Manufacturing Chemists Association

Tentative Agenda for Meeting

FOOD, DRUG, AND COSMETIC CHEMICALS COMMITTEE

American Cyanamid Conference Room

Sixth Floor Time-Life Building New York, N. Y.

September 11, 1969

Starting Time - 10:00 a.m.

1.	Introductions	- Chairman
2.	Minutes of Last Meeting	- Chairman
3.	Personnel	
	a. Membership	- Secretary
	b. Report of Nominating Committee	- Dr. Spencer
	c. Election of Vice Chairman	- Chairman
4.	Liaison Activities	
	a. MCA Board of Directors	- Mr. Graham - Chairman
	b. MCA Environmental Health Advisory Committee	- Dr. White
	c. NAS Food Protection Committee	- Mr. Mulford - Mr. Aalto
5.	Other Committee Activities	
	a. International Food Standards	- Dr. Spencer - Mr. Ruark - Mr. Meyer
	b. Good Manufacturing Practice Regulations	- Secretary
	c. Proposed Food Additives Procedural Regulations	- Dr. Knapp
	d. Protocols for Safety Evaluation	- Secretary
6.	Other Items	
	a. NCI Research Data	- Chairman
	b. EC Directive on Emulsifiers-Stabilizers, Thickening and Gelling Agents	- Secretary
	c. Next Meeting	- Chairman

No revised prior sanction regulations have [illegible] issued. The Food Protection Committee of NAS has suggested that additives used for 5 yrs at levels up to 0.1 ppm in total diet are "toxicologically insignificant".

[illegible] proposal suggests exemption of materials that migrate up to 0.05 ppm in specific foods and of minor ingredients for additives intended for general use. The exemption for specific foods rather than total diet was challenged by industry.

The Committee has suggested that substances migrating above the 0.1 ppm cut-off level be reviewed by "analogy" for possible exemption up to 1.0 ppm. Where analogy with known non-toxic substances is made then insignificant levels of 1/10 to 1/20 of the lowest safe level of all analogous substances are suggested.

It is presumed that FDA will initiate conversations with food packaging industry after Food Protection Committee statements have been thoroughly considered.

Further details will, as to possible policy decisions prior to further revision of proposed prior sanction regulations as outlined in Food Chemical News of Feb 3, 1969 pgs 29-35.

DJK 4/14/69

NCA - FDCC Committee - Letter of 6/27/69

List No 1 - GRAS Chemicals

(a) Disodium dihydrogen pyrophosphate - in Salmon article
Potassium bisulfite - why not use sodium bisulfite data -
Sodium bisulfite or metabisulfite

(b) Potassium phosphate monobasic - is this not the same compound
as that in (6) which was x'd out

(c) Sodium acid pyrophosphate as either monosodium or the which
was x'd out above

(d) Ammonium phosphate (monobasic dibasic) - presume that
this is not desired in view of large use of diammonium
phosphate in animal feeds

(e) Magnesium oxide - why cannot hydroxide also be used?
(f) Citric tartaric acid and sodium potassium tartrate x'd
do not see why ADI for potassium acid tartrate
cannot be checked

(f) Do not see why ADI for sulfuric acid and sodium sulfates
cannot be set? based upon what?

List No. 2

121.1012 Sodium lauryl sulfate - what about dioctyl etc.
121.1057 Methylene chloride - why cannot
an ADI be calculated from TLV?
(see also several other solvents including
octafluorocyclobutane and dichlorodifluoromethane) (cont.

JUL 1 1969

MANUFACTURING CHEMISTS ASSOCIATION
1825 CONNECTICUT AVENUE, N. W. • WASHINGTON, D. C. 20009 • (202) 483-6126

June 27, 1969

TO: Food, Drug, and Cosmetic Chemicals Committee

SUBJECT: Inclusion of Food Additives Produced by MCA Member Companies in International Food Standards

Gentlemen:

As you know, the Codex Alimentarius Commission will before long take action on a number of commodity standards which will undoubtedly have a pronounced effect on both foreign and domestic usage of food additives produced by MCA member companies.

At the April 2, 1969 meeting of the FDCC Committee, it was voted unanimously to request the secretary to notify member companies of those food additives sanctioned for use in this country for which acceptable daily intakes have not been determined by the FAO/WHO Joint Expert Committee on Food Additives, so as to signal those food additives for which toxicological data (and specifications) are needed for consideration by the Expert Committee. Inclusion of specific food additives in commodity standards by the Commission depends on endorsement by the Codex Committee on Food Additives, which can act only after receipt of acceptable daily intakes from the Expert Committee.

So it is requested that you note from the lists attached to this letter those additives for which toxicological data (and specifications) are needed, and send to this office such freely available data as you may have for forwarding to the Expert Committee.

List No. 1 shows the "generally recognized as safe" substances as listed on pages 67 through 71 of the Code of Federal Regulations, Title 21 - Food and Drugs, Parts 120 to 129 (Revised as of January 1, 1968).

List No. 2 shows the list of "Food Additives Permitted in Food for Human Consumption" taken from pages 51-52 of the same publication, with the newer items added at the end. 56-58 of 1/1/69 ed.

In each of these two lists, an "x" is placed in front of those additives for which an acceptable daily intake has been established by th Expert Committee. The remaining (about 75% of both lists)

represent those for which toxicological data are needed for an acceptable daily intake to be established.

Since this marking is probably not 100% accurate, it is suggested that you refer to List No. 3 as well. This list shows those substances for which acceptable daily intakes have been established by the Expert Committee as reported in the Tenth and Eleventh Reports of the Joint FAO/WHO Expert Committee on Food Additives.

This letter is being sent to all on the complete mailing list for the FDCC Committee. So, in some cases, it will be received by more than one in a company.

It is suggested that your data be sent to this office within the next two months.

Sincerely yours,

M. M. Hoover, Secretary
Food, Drug, and Cosmetic
Chemicals Committee

MMH:gr

Enclosures (Lists Nos. 1, 2, 3)

Distribution "A"

LIST NO. 1—SUBSTANCES GENERALLY RECOGNIZED AS SAFE

(Substances not x'd out are those for which toxicological data are needed.)

(1) ANTICAKING AGENTS

Aluminum calcium silicate
Calcium silicate
Calcium silicate
Magnesium silicate
*Sodium aluminosilicate (sodium silicoaluminate).
*Sodium calcium aluminosilicate, hydrated (sodium calcium silicoaluminate).
Tricalcium silicate

(2) CHEMICAL PRESERVATIVES

Ascorbic acid
Ascorbyl palmitate
Benzoic acid
Butylated hydroxyanisole

Butylated hydroxytoluene
Calcium ascorbate
Calcium propionate
*Calcium sorbate
Caprylic acid
Dilauryl thiodipropionate

Erythorbic acid
Gum guaiac

*Methylparaben (methyl-*p*-hydroxybenzoate).
Nordihydroguaiaretic acid

Potassium bisulfite

Potassium metabisulfite
Potassium sorbate
Propionic acid
Propyl gallate

*Propylparaben (propyl *p*-hydroxybenzoate).
Sodium ascorbate
Sodium benzoate
Sodium bisulfite
Sodium metabisulfite
Sodium propionate
Sodium sorbate
Sodium sulfite
Sorbic acid
*Stannous chloride
Sulfur dioxide
Thiodipropionic acid

*Tocopherols

(3) EMULSIFYING AGENTS

Cholic acid
Desoxycholic acid
Diacetyl tartaric acid esters of mono- and diglycerides of edible fats or oils, or edible fat-forming fatty acids.
Glycocholic acid

Mono- and diglycerides of edible fats or oils, or edible fat-forming acids.
Monosodium phosphate derivatives of mono and diglycerides of edible fats or oils, or edible fat-forming fatty acids.
Propylene glycol
Ox bile extract
Taurocholic acid (or its sodium salt)

(4) NONNUTRITIVE SWEETENERS

*Ammonium saccharin
Calcium cyclamate (calcium cyclohexyl sulfamate).
Calcium saccharin
*Magnesium cyclamate (magnesium cycloheryl sulfamate).
*Potassium cyclamate (potassium cycloheryl sulfamate).
Saccharin
Sodium cyclamate (sodium cyclohexyl sulfamate).
Sodium saccharin

(5) NUTRIENTS AND/OR DIETARY SUPPLEMENTS [1]

*Alanine (L- and DL-forms)
*Arginine (L- and DL-forms)
Ascorbic acid
*Aspartic acid (L- and DL-forms)
*Biotin
Calcium carbonate
*Calcium citrate
*Calcium glycerophosphate
Calcium oxide
Calcium pantothenate
Calcium phosphate (mono-, di-, tribasic).
*Calcium pyrophosphate
Calcium sulfate
Carotene
*Choline bitartrate
*Choline chloride
Copper gluconate
Cuprous iodide

*Cysteine (L- form)
*Cystine (L- and DL- forms)
Ferric phosphate
Ferric pyrophosphate
Ferric sodium pyrophosphate
*Ferrous gluconate
*Ferrous lactate
Ferrous sulfate
*Glycine (aminoacetic acid)
*Histidine (L- and DL- forms)
*Inositol
Iron, reduced
*Isoleucine (L- and DL-forms)
*Leucine (L- and DL-forms)
*Linoleic acid (prepared from edible fats and oils and free from chick-edema factor).
Lysine (L- and DL-forms)
*Magnesium oxide
*Magnesium phosphate (di-, tribasic)
*Magnesium sulfate
*Manganese chloride
*Manganese citrate
*Manganese gluconate
*Manganese glycerophosphate
*Manganese hypophosphite
*Manganese sulfate
*Manganous oxide
*Mannitol
*Methionine
*Methionine hydroxy analog and its calcium salts.
Niacin
Niacinamide
D-Pantothenyl alcohol
*Phenylalanine (L- and DL-forms)
Potassium chloride
*Potassium glycerophosphate
Potassium iodide

*Proline (L- and DL-forms)
Pyridoxine hydrochloride
Riboflavin
Riboflavin-5-phosphate
*Serine (L- and DL-forms)
Sodium pantothenate
Sodium phosphate (mono-, di-, tribasic).
Sorbitol
Thiamine hydrochloride
Thiamine mononitrate
*Threonine (L- and DL-forms)
Tocopherols
a-Tocopherol acetate
*Tryptophane (L- and DL-forms)
*Tyrosine (L- and DL- forms)
*Valine (L- and DL-forms)
Vitamin A
Vitamin A acetate
Vitamin A palmitate
Vitamin B_{12}
Vitamin D_2
Vitamin D_3
*Zinc sulfate
*Zinc gluconate
*Zinc chloride
*Zinc oxide
*Zinc stearate (prepared from stearic acid free from chickedema factor).

(6) SEQUESTRANTS [1]

Calcium acetate
Calcium chloride
Calcium citrate
Calcium diacetate
Calcium gluconate
Calcium hexametaphosphate
Calcium phosphate, monobasic
Calcium phytate
Citric acid
Dipotassium phosphate
Disodium phosphate
Isopropyl citrate
Monoisopropyl citrate
Potassium citrate
Sodium acid phosphate
Sodium citrate
Sodium diacetate
Sodium gluconate
Sodium hexametaphosphate
Sodium metaphosphate
Sodium phosphate (mono-, di-, tribasic).
Sodium potassium tartrate
Sodium pyrophosphate
Sodium pyrophosphate, tetra
Sodium tartrate
Sodium thiosulfate
Sodium tripolyphosphate
Stearyl citrate
Tartaric acid

(7) STABILIZERS

*Acacia (gum arabic)
Agar-agar
*Ammonium alginate
*Calcium alginate
Caroh bean gum (locust bean gum)
Chondrus extract (carrageenin)
*Ghatti gum
Guar gum
*Potassium alginate
*Sodium alginate
*Sterculia gum (karaya gum)
*Tragacanth (gum tragacanth)

(8) MISCELLANEOUS AND/OR GENERAL PURPOSE FOOD ADDITIVES

Acetic acid
*Adipic acid
Aluminum ammonium sulfate
Aluminum potassium sulfate
Aluminum sodium sulfate
Aluminum sulfate
Ammonium bicarbonate
Ammonium carbonate
Ammonium hydroxide
Ammonium phosphate (mono- and dibasic).
*Ammonium sulfate
*Beeswax (yellow wax)
*Beeswax, bleached (white wax)
*Bentonite
Butane
Caffeine
Calcium carbonate
Calcium chloride
Calcium citrate
Calcium gluconate
Calcium hydroxide
Calcium lactate
Calcium oxide
Calcium phosphate (mono-, di-, tribasic).
Caramel
Carbon dioxide
Carnauba wax
Citric acid
*Dextrans (of average molecular weight below 100,000).
Ethyl formate
*Glutamic acid
*Glutamic acid hydrochloride
Glycerin
Glyceryl monostearate
Helium
*Hydrochloric acid
*Hydrogen peroxide
Lactic acid
*Lecithin
Magnesium carbonate
Magnesium hydroxide
Magnesium oxide
Magnesium stearate

*Malic acid
*Methylcellulose (U.S.P. methylcellulose, except that the methoxy content shall not be less than 27.5 percent and not more than 31.5 percent on a dry-weight basis).
Monoammonium glutamate
*Monopotassium glutamate
Nitrogen
*Nitrous oxide

Papain
Phosphoric acid
Potassium acid tartrate
Potassium bicarbonate
Potassium carbonate
Potassium citrate
Potassium hydroxide
*Potassium sulfate
Propane
Propylene glycol
*Rennet (rennin)
*Silica aerogel (finely powdered microcellular silica foam having a minimum silica content of 89.5 percent).
Sodium acetate
Sodium acid pyrophosphate
Sodium aluminum phosphate
Sodium bicarbonate
Sodium carbonate
Sodium citrate
*Sodium carboxymethylcellulose (the sodium salt of carboxymethylcellulose not less than 99.5 percent on a dry-weight basis, with maximum substitution of 0.95 carboxymethyl groups per anhydroglucose unit, and with a minimum viscosity of 25 centipoises for 25 percent by weight aqueous solution at 25° C.).
*Sodium caseinate
Sodium citrate
Sodium hydroxide
*Sodium pectinate
Sodium phosphate (mono-, di-, tribasic).
Sodium potassium tartrate
Sodium sesquicarbonate
Sodium tripolyphosphate
*Succinic acid
Sulfuric acid
Tartaric acid
Triacetin (glyceryl triacetate)
Triethyl citrate

ASI 00002266

LIST NO. 2-FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION

(Substances not x'd out are those for which toxicological data are needed.)

121.1001 Ethoxyquin.
121.1002 Buquinolate (ethyl-4-hydroxy-6, 7-diisobutoxy - 3 - quinoline - carboxylate).
121.1003 Neomycin, polymyxin, hydrocortisone acetate, hydrocortisone sodium succinate in milk from dairy cows.
X121.1004 Glyceryl-lacto esters of fatty acids.
121.1005 Bacitracin, zinc bacitracin, manganese bacitracin, bacitracin methylene disalicylate.
121.1006 Maleic hydrazide.
121.1007 Reserpine.
X121.1008 Polyoxyethylene (20) sorbitan tristearate.
121.1009 Polysorbate 80.
121.1010 Gibberellic acid and its potassium salt.
121.1011 Oleandomycin.
121.1012 Sodium lauryl sulfate.
121.1013 Zoalene.
121.1014 Chlortetracycline.
121.1015 Propylene glycol alginate.
121.1016 Oxystearin.
121.1017 Calcium disodium EDTA.
121.1018 Acetylated monoglycerides.
121.1019 Partially defatted, cooked cottonseed flour or similar products derived from cottonseed intended for human consumption.
121.1020 Inorganic bromide.
X121.1021 Hydroxypropyl methylcellulose.
121.1022 Amprolium.
X121.1023 Acetone peroxides.
121.1024 Hygromycin B.
121.1025 Streptomycin.
121.1026 Penicillin.
X121.1027 Hydroxylated lecithin.
121.1028 Castor oil.
X121.1029 Sorbitan monostearate.
121.1030 Polysorbate 60 (polyoxyethylene (20) sorbitan monostearate).
121.1031 Food starch-modified.
121.1032 Yellow prussiate of soda.
121.1033 Novobiocin.
X121.1034 BHT.
X121.1035 BHA.
121.1036 Monoglyceride citrate.
121.1037 Calcium pantothenate, calcium chloride double salt.
121.1038 Tetradifon.
121.1039 Methylene chloride.
121.1040 Ethylene dichloride.
121.1041 Trichloroethylene.
121.1042 Acetone.
121.1043 Isopropyl alcohol.
121.1044 Methyl alcohol residues.
121.1045 Hexane.
121.1046 Oxytetracycline.
121.1047 Calcium stearyl-2-lactylate.
121.1048 Lactylic esters of fatty acids.
121.1049 Tylosin.
121.1050 Coumarone-indene resin.
121.1051 Dihydrostreptomycin.
121.1052 Metaldehyde.
X121.1053 Sorbitol.
121.1054 Promazine hydrochloride.
121.1055 Nystatin.
121.1056 Disodium EDTA.
121.1057 Polyethylene glycol 6000.
121.1058 Silicon dioxide.
121.1059 Chewing gum base.
121.1060 Combustion product gas.
121.1061 Captan.
121.1062 Methyl formate.
X121.1063 Sodium nitrate.
X121.1064 Sodium nitrite.
121.1065 Octafluorocyclobutane.
X121.1066 Carrageenan.
121.1067 Salts of carrageenan.
X121.1068 Furcelleran.
121.1069 Salts of furcelleran.
121.1070 Fatty acids.
121.1071 Salts of fatty acids.
121.1072 Hydrogen cyanide.
121.1073 Potassium iodide.
121.1074 Piperonyl butoxide.
121.1075 Pyrethrins.
121.1076 Propylene oxide.
121.1077 Terpene resin.
121.1078 Ronnel
121.1079 Paraformaldehyde.
121.1080 Stearyl monoglyceridyl citrate.
121.1081 Quinine.
121.1082 Modified hop extract.
121.1083 Methyl chloride.
121.1084 Glycerol ester of wood rosin.
121.1085 Azodicarbonamide
121.1086 Sugar beet extract flavor base.
121.1087 Ethyl cellulose.
121.1088 Boiler water additives.
121.1089 Dehydroacetic acid.
121.1090 Disodium inosinate.
121.1091 Chemicals used in washing fruits and vegetables.
121.1092 Acrylamide-acrylic acid resin.
121.1093 DDT.
121.1093a DDT and its related degradation products in manufactured dairy products.
121.1094 Furaltadone.
121.1095 Nicotinamide-ascorbic acid complex.
X121.1096 Ethyl formate.
121.1097 Safrole-free extract of sassafras.
121.1098 Rice bran wax.
121.1099 Defoaming agents.
121.1100 Iron-choline citrate complex.
121.1101 Sperm oil, hydrogenated.
121.1102 Calcium lignosulfonate.
121.1103 Nihydrazone.
121.1104 Neomycin.
121.1105 Morpholine.
121.1106 Ethopabate.
121.1107 Bithionol.
121.1108 Methiotriazamine.
121.1109 Disodium guanylate.
121.1110 Polyvinylpolypyrrolidone.
121.1111 Synthetic glycerin produced by the hydrogenolysis of carbohydrates.
X121.1112 Methyl ethyl cellulose.
X121.1113 Propylene glycol mono- and diesters of fats and fatty acids.
121.1114 Xylitol.
X121.1115 Mannitol.
121.1116 THBP.
121.1117 Diethyl pyrocarbonate.
121.1118 Diethylstilbestrol.
121.1119 Polyacrylamide.
X121.1120 Polyglycerol esters of fatty acids.
121.1121 Polyethylene glycol minimum molecular weight 1,300.
121.1123 D-Pantothenamide.
121.1124 Sulfamethazine.
121.1125 Dried yeasts.
121.1126 Ethion.
121.1127 Progesterone.
121.1128 Estradiol benzoate.
121.1129 Testosterone propionate.
X121.1130 Fumaric acid and salts of fumaric acid.
121.1131 Chlorobutanol.
X121.1132 Potassium nitrate.
121.1133 Fumigants for grain-mill machinery.
121.1134 Pteroylglutamic acid.
121.1135 Calcium silicate.
121.1136 Methacrylic acid-divinyl-benzene copolymer.
121.1137 Dioctyl sodium sulfosuccinate.
121.1138 Arsenic.
121.1139 Polyvinylpyrrolidone.
121.1140 Salicylic acid.
121.1141 Aluminum nicotinate.
121.1142 Polyethylene, oxidized.
121.1143 Erythromycin.
121.1144 Sulfaethoxypyridazine.
121.1145 Furazolidone.
121.1146 White mineral oil.
121.1147 Prednisolone.
121.1148 Ion-exchange resins.
121.1149 Kelp.
121.1150 Estradiol monopalmitate.
121.1151 Methyl glucoside-coconut oil ester.
121.1152 Fumigants for processed grains used in production of fermented malt beverages.
121.1153 Thiabendazole.
121.1154 Synthetic isoparaffinic petroleum hydrocarbons.
121.1155 Chemicals used for the control of micro-organisms in cane-sugar mills.
121.1156 Petroleum wax.
121.1157 Prednisone.
121.1158 Methylparaben.
121.1159 Propylparaben.
121.1160 Hydroxypropyl cellulose.
121.1161 Ethylene oxide polymer.
121.1162 Calcium lactobionate.
121.1163 Natural flavoring substances and natural substances used in conjunction with flavors.
121.1164 Synthetic flavoring substances and adjuvants.
121.1165 Rhizopus oryzae.
121.1166 Petrolatum.
121.1167 Dimetridazole.
121.1168 3,5-Dinitrobenzamide.
121.1169 Acetyl(p-nitrophenyl)sulfanilamide.
121.1170 Bacterial catalase.
121.1171 Sodium methyl sulfate.
121.1172 Malathion.
121.1173 Dienestrol diacetate.
121.1174 Arabinogalactan.
121.1175 Chlorhexidine.
121.1176 1,3-Butylene glycol.
121.1177 2-Chloro-4-nitrobenzamide.
121.1178 Aluminum phosphide.
121.1179 Coatings on fresh citrus fruit.
121.1180 Ion-exchange membranes.
121.1181 Chloropentafluoroethane.
121.1182 Odorless light petroleum hydrocarbons.
121.1183 Sodium stearyl fumarate.
121.1184 Ethylenediamine.
121.1185 Polyethylene glycol 400.
121.1186 n-Heptyl p-hydroxybenzoate.
121.1187 Medroxyprogesterone acetate.
121.1188 Hexachlorophene.
121.1189 Phenothiazine.
121.1190 Iron ammonium citrate.
121.1192 Modified polyacrylamide resin.
121.1193 Carrageenan with polysorbate 80.
121.1194 Potassium bromate.
121.1195 Succinylated monoglycerides.
121.1196 Toxaphene.
121.1197 Succistearin (stearoyl propylene glycol hydrogen succinate).
121.1198 Sodium carbonate with sodium mono- and dimethyl naphthalene sulfonates.
121.1199 Fermentation-derived, milk-clotting enzyme.
121.1200 Sodium sulfachloropyrazine monohydrate.
121.1201 Testosterone.
121.1202 Whole fish protein concentrate.
121.1203 Petroleum naphtha.
121.1204 2,4-D.
121.1205 *N*-octylbicycloheptene dicarboximide.
121.1206 Coordination product of zinc ion and maneb.
121.1207 1,1-Bis (*p*-chlorophenyl) 2,2,2-trichloroethanol.
121.1208 4-Hydroxymethyl-2, 6-di - *tert*-butylphenol.
121.1209 Dichlorodifluoromethane.
121.1211 Sodium stearoyl-2-lactylate.
121.1212 Sulfamerazine.

121.1213 Stannous chloride
121.1214 Melengestrol acetate
121.1215 Sulfachlorpyridazine
121.1216 Sulfadimethoxine
121.1217 Sulfomyxin
121.1224 Xanthan gum
121.1225 Adjuvants for pesticide use dilutions
121.1218 1-Methoxycarbonyl-1-propen-2-yl dimethylphosphate and its beta isomer.
121.1220 2,2-Dichlorovinyl dimethyl phosphate
121.1221 Ethoxylated mono- and diglycerides (polyoxyethyle (20) mono- and diglycerides of fatty acids).
121.1222 Metoserpate hydrochloride
121.1223 Clopidol

ASI 00002267

LIST NO. 3–SUBSTANCES FOR WHICH ADI's HAVE BEEN ESTABLISHED BY EXPERT COMMITTEE

ACIDS AND BASES

Acids

- Acetic Acid
- Adipic Acid
- Citric Acid
- Fumaric Acid
- Gluconic Acid (see Glucono-delta-Lactone)
- Glucono-delta-Lactone (Gluconic Acid)
- Hydrochloric Acid
- DL-Lactic Acid
- DL-Malic Acid
- Monocalcium Phosphates
- Phosphoric Acid
- Tartaric Acid

Bases

- Ammonium Carbonate
- Ammonium Hydrogen Carbonate
- Ammonium Hydroxide
- Calcium Carbonate
- Calcium Hydroxide
- Calcium Oxide
- Magnesium Carbonate
- Magnesium Hydroxide
- Magnesium Oxide
- Potassium Carbonate
- Potassium Hydrogen Carbonate
- Potassium Hydroxide
- Sodium Carbonate
- Sodium Hydrogen Carbonate
- Sodium Hydroxide

ANTIMICROBIAL PRESERVATIVES

- Benzoic Acid
- Benzoate, Potassium
- Benzoate, Sodium
- Benzoate, *p*-Hydroxy-, Butyl
- Benzoate, *p*-Hydroxy-, Ethyl
- Benzoate, *p*-Hydroxy-, Methyl
- Benzoate, *p*-Hydroxy-, Propyl
- Boric Acid
- Borax
- Diethyl Pyrocarbonate
- Diphenyl
- Formic Acid
- Hexamethylenetetramine
- Hydrogen Peroxide
- Nitrate, Potassium
- Nitrate, Sodium
- Nitrite, Potassium
- Nitrite, Sodium
- *o*-Phenylphenol
- *o*-Phenylphenolate, Sodium
- Propionic Acid
- Propionate, Calcium
- Propionate, Potassium
- Propionate, Sodium
- Salicylic Acid
- Sodium Diacetate
- Sorbic Acid
- Sorbate, Calcium
- Sorbate, Potassium
- Sulfur Dioxide

Other sources of sulfur dioxide

- Potassium Metabisulfite
- Sodium Hydrogen Sulfite
- Sodium Metabisulfite
- Sodium Sulfite

- Thiodipropionic Acid
- Thiodipropionate, Dilauryl

ANTIOXIDANTS AND ANTIOXIDANT SYNERGISTS

- Ascorbic Acid
- Ascorbate, Sodium
- Ascorbic Acid, Iso-
- Ascorbate, Iso-
- Ascorbyl Palmitate
- Butylated Hydroxyanisole (BHA)
- Butylated Hydroxytoluene (BHT)
- Citric Acid
- Citrate, Stearyl
- Ethylenediaminetetraacetate, Calcium Disodium
- Ethylenediaminetetraacetate, Disodium
- Gallate, Dodecyl
- Gallate, Octyl
- Gallate, Propyl
- Guaiac, Gum
- Isopropyl Citrate Mixture
- Monoisopropyl Citrate (see Isopropyl Citrate Mixture)
- Nordihydroguaiaretic Acid (NDGA)
- Phosphoric Acid
- Tartaric Acid
- Tocopherol, Alpha
- Tocopherols, Mixed concentrate

EMULSIFIERS AND STABILIZERS

Natural Stabilizers

- Agar
- Alginic Acid
- Alginate, Ammonium
- Alginate, Calcium
- Alginate, Potassium
- Alginate, Sodium
- Carrageen
- Furcellaran
- Gum, Arabic
- Gum, Carob bean
- Gum, Guar
- Gum, Karaya
- Gum, Oat
- Gum, Tragacanth

Stabilizers made by modifying natural materials

- Alginate, Propylene glycol
- Cellulose, Hydroxypropylmethyl-
- Cellulose, Methyl-
- Cellulose, Methylethyl-
- Cellulose, Carboxymethyl-, Sodium

Fatty Emulsifiers

- Glycerides, Mono- and Di-
- Acetic Acid and Fatty Acid Esters of Glycerol
- Citric Acid and Fatty Acid Esters of Glycerol
- Diacetyltartaric Acid and Fatty Acid Esters of Glycerol
- Lactic Acid and Fatty Acid Esters of Glycerol
- Mixed Tartaric and Acetic Acid and Fatty Acid Esters of Glycerol
- Sulfoacetic Acid and Fatty Acid Esters of Glycerol (Sodium Salt)
- Polyglycerol Esters of Fatty Acids
- Polyoxyethylene (20) Sorbitan Monolaurate
- Polyoxyethylene (20) Sorbitan Monooleate
- Polyoxyethylene (20) Sorbitan Monopalmitate
- Polyoxyethylene (20) Sorbitan Monostearate
- Polyoxyethylene (20) Sorbitan Tristearate
- Polyoxyethylene (8) Stearate
- Polyoxyethylene (40) Stearate
- Propylene Glycol Esters of Fatty Acids
- Propylene Glycol Monopalmitate
- Propylene Glycol Monostearate
- Sorbitan Monopalmitate
- Sorbitan Monostearate
- Sorbitan Tristearate
- Sucrose Esters of Fatty Acids

Steroid Emulsifiers

- Cholic Acid (and Sodium Salt)
- Cholic Acid, Deoxy- (and Sodium Salt)

Miscellaneous Emulsifiers

- Lecithin
- Lecithin, Hydroxylated

Salts

- Acetate, Calcium
- Chloride, Calcium
- Citrate, Calcium
- Citrate, Potassium
- Citrate, Sodium
- Phosphate, Monosodium
- Phosphate, Disodium
- Phosphate, Trisodium
- Phosphate, Monopotassium
- Phosphate, Dipotassium
- Phosphate, Tripotassium
- Phosphate, Di-
  - Disodium
  - Tetrasodium
- Phosphate, Tri-, Pentasodium
- Phosphate, Poly-, Sodium
- Tartrate, Sodium
- Tartrate, Potassium Sodium

(CONTINUED)

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FLOUR TREATMENT AGENTS

Azodicarbonamide
Bromate, Potassium
Chlorine
Chlorine Dioxide
Iodate, Calcium
Iodate, Potassium
Monocalcium Phosphates
Nitrogen, Oxides of
Peroxides, Acetone
Peroxide, Benzoyl
Peroxide, Calcium
Persulfate, Ammonium
Persulfate, Potassium
Stearyl-2-Lactylate, Calcium
Stearyl Tartrate

FOOD COLOURS

Colours in toxicological categories A, B, and CI

Amaranth
Brilliant Blue FCF
Canthaxanthine
Beta-Apo-8′-Carotenal
Beta-Carotene
Beta-Apo-8′-Carotenoic Acid, Methyl or Ethyl Ester
Citrus Red No. 2
Erythrosine
Fast Green FCF
Idanthrene Blue RS
Indigotine
Orange I
Patent Blue V
Ponceau 4R
Quercetin and Quercitron
Quinoline Yellow
Sunset Yellow FCF
Tartrazine
Titanium Dioxide
Wool Green BS

Colours in toxicological categories CII[a], CIII[a], which are used in some countries

Acid Fuchsin FB
Azo Rubine
Benzyl Violet 4B
Black 7984
Blue VRS
Brilliant Black BN " Specially Pure "
Brown FK
Chocolate Brown HT
Chrysoine
Eosine
Fast Red E
Fast Yellow AB
Light Green SF Yellowish
Methyl Violet
Naphthol Yellow S
Orange G
Orange GGN
Ponceau 2R
Ponceau 6R
Red 10B
Red 2G
Rhodamine B
Scarlet GN " Specially Pure "
Sudan G
Sudan Red G
Violet 5 BN
Yellow 27 175N " Specially Pure "

OTHERS

Brominated vegetable oils
Mannitol
Polyvinylpyrrolidone
Propylene Glycol
Sorbitol

FLAVOURING SUBSTANCES AND NON-NUTRITIVE SWEETENING AGENTS

Isoamyl Butyrate
trans-Anethole
Benzaldehyde
Benzyl Acetate
(+)-Carvone and (−)-Carvone
Cinnamaldehyde
Citral
Citronellol, 90% and 96% total alcohols
Ethyl Acetate
Ethyl Butyrate
Ethyl Formate
Ethyl Heptanoate
Ethyl Lactate
Ethyl Laurate
Ethyl Methylphenylglycidate
Ethyl Nonanoate
Ethyl Vanillin
Eugenol
Geranyl Acetate
α-Ionone
β-Ionone
Linalol, 90% and 95%
Linalyl Acetate, 90% and 96%
Maltol
(±)-Menthol and (−)-Menthol
Methyl Anthranilate
Methyl Salicylate
γ-Nonalactone
Nonanal
Octanal
Piperonal
γ-Undecalactone
Vanillin
Calcium Cyclamate, Sodium Cyclamate
p-Phenetylcarbamide (Dulcin)[c]
Saccharin, Calcium Saccharin, Sodium Saccharin

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