Commission Regulation (EU) No 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance)

ANNEX I

Substances

1. [F1]... List of authorised monomers, other starting substances, macromolecules obtained from microbial fermentation, additives and polymer production aids

Table 1 contains the following information:

Column 1 (FCM substance No): the unique identification number of the substance

Column 2 (Ref. No): the EEC packaging material reference number

Column 3 (CAS No): the Chemical Abstracts Service (CAS) registry number

Column 4 (Substance Name): the chemical name

Column 5 (Use as additive or polymer production aid (PPA) (yes/no)): an indication if the substance is authorised to be used as additive or polymer production aid (yes) or if the substance is not authorised to be used as additive or polymer production aid (no). If the substance is only authorised as PPA it is indicated (yes) and in the specifications the use is restricted to PPA.

Column 6 (Use as monomer or other starting substance or macromolecule obtained from microbial fermentation (yes/no)): an indication if the substance is authorised to be used as monomer or other starting substance or macromolecule obtained from microbial fermentation (yes) or if the substance is not authorised to be used as monomer or other starting substance or macromolecule obtained from microbial fermentation (no). If the substance is authorised as macromolecule obtained from microbial fermentation it is indicated (yes) and in the specifications it is indicated that the substance is a macromolecule obtained from microbial fermentation.

Column 7 (FRF applicable (yes/no)): an indication if for the substance the migration results can be corrected by the Fat Consumption Reduction Factor (FRF) (yes) or if they cannot be corrected by the FRF (no).

[[F2]Column 8 (SML [mg/kg]): the specific migration limit applicable for the substance. It is expressed in mg substance per kg food. It is marked as ND (‘ not-detectable ’) if the substance is one in respect of which no migration is permitted, to be determined in accordance with Article 11(4).**]**

Textual Amendments

F2 Substituted by Commission Regulation (EU) 2016/1416 of 24 August 2016 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

Column 9 (SML(T) [mg/kg] (group restriction No)): contains the identification number of the group of substances for which the group restriction in Column 1 in Table 2 of this Annex applies.

Column 10 (Restrictions and specifications): contains other restrictions than the specific migration limit specifically mentioned and it contains specifications related to the substance. In case detailed specifications are set out a reference to Table 4 is included.

Column 11 (Notes on verification of compliance): contains the Notes number which refers to the detailed rules applicable for verification of compliance for this substance included in Column 1 in Table 3 of this Annex.

If a substance appearing on the list as an individual compound is also covered by a generic term, the restrictions applying to this substance shall be those indicated for the individual compound.

F3 ...

Textual Amendments

F3 Deleted by Commission Regulation (EU) 2016/1416 of 24 August 2016 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

TABLE 1

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
FCM substance No	**Ref. No**	**CAS No**	**Substance name**	**Use as additive or polymer production aid(yes/no)**	**Use as monomer or other starting substance or macromolecule obtained from microbial fermentation(yes/no)**	**FRF applicable(yes/no)**	**SML[mg/kg]**	**SML(T)[mg/kg] (Group restriction No)**	**Restrictions and specifications**	**Notes on verification of compliance**
1	12310	0266309-43-7	albumin	no	yes	no				
2	12340	—	albumin, coagulated by formaldehyde	no	yes	no				
3	12375	—	alcohols, aliphatic, monohydric, saturated, linear, primary (C_4-C_{22})	no	yes	no				
4	22332	—	mixture of (40 % w/w) 2,2,4-trimethylhexane-1,6-diisocyanate and	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety.	(10)

			(60 % w/w) 2,4,4-trimethylhexane-1,6-diisocyanate							
5	25360	—	trialkyl(C_{13}-C_{15})acetic acid, 2,3-epoxypropyl ester		yes	no	ND		1 mg/kg in final product expressed as epoxygroup. Molecular weight is 43 Da.	
6	25380	—	trialkyl acetic acid (C_7-C_{17}), vinyl esters	no	yes	no	0,05			(1)
7	30370	—	acetylacetic acid, salts	yes	no	no				
8	30401	—	acetylated mono- and diglycerides of fatty acids	yes	no	no		(32)		
9	30610	—	acids, C_2-C_{24}, aliphatic, linear, monocarboxylic from natural oils and fats, and their mono-, di- and triglycerol esters	yes	no	no				

			(branched fatty acids at naturally occuring levels are included)							
10	30612	—	acids, C_2-C_{24}, aliphatic, linear, monocarboxylic, synthetic and their mono-, di- and triglycerol esters	yes	no	no				
11	30960	—	acids, aliphatic, monocarboxylic (C_6-C_{22}), esters with polyglycerol	yes	no	no				
12	31328	—	acids, fatty, from animal or vegetable food fats and oils	yes	no	no				
13	33120	—	alcohols, aliphatic, monohydric, saturated, linear, primary (C_4-C_{24})	yes	no	no				
14	33801	—	n-alkyl(C_{10}-	yes	no	no	30			

			C_{13})benzenesulphonic acid							
15	34130	—	alkyl, linear with even number of carbon atoms (C_{12}-C_{20}) dimethylamines	yes	no	yes	30			
16	34230	—	alkyl(C_8-C_{22})sulphonic acids	yes	no	no	6			
17	34281	—	alkyl(C_8-C_{22})sulphuric acids, linear, primary with an even number of carbon atoms	yes	no	no				
18	34475	—	aluminium calcium hydroxide phosphite, hydrate	yes	no	no				
19	39090	—	N,N-bis(2-hydroxyethyl)alkyl(C_8-C_{18})amine	yes	no	no		(7)		
20	39120	—	N,N-bis(2-hydroxyethyl)alkyl(C_8-C_{18})amine hydrochlorides	yes	no	no		(7)	SML(T) expressed excluding HCl	
21	42500	—	carbonic acid, salts	yes	no	no				
22	43200	—	castor oil, mono-	yes	no	no				

			and diglycerides							
23	43515	—	chlorides of choline esters of coconut oil fatty acids	yes	no	no	0,9			(1)
24	45280	—	cotton fibers	yes	no	no				
25	45440	—	cresols, butylated, styrenated	yes	no	no	12			
26	46700	—	5,7-di-tert-butyl-3-(3,4- and 2,3-dimethylphenyl)-3H-benzofuran-2-one containing: a) 5,7-di-tert-butyl-3-(3,4-dimethylphenyl)-3H-benzofuran-2-one (80 to 100 % w/w) and b) 5,7-di-tert-butyl-3-(2,3-dimethylphenyl)-3H-benzofuran-2-one (0 to 20 % w/w)	yes	no	no	5			
27	48960	—	9,10-dihydroxy stearic	yes	no	no	5			

			acid and its oligomers							
28	50160	—	di-n-octyltin bis(n-alkyl(C_{10}-C_{16}) mercaptoacetate)	yes	no	no		(10)		
29	50360	—	di-n-octyltin bis(ethyl maleate)	yes	no	no		(10)		
30	50560	—	di-n-octyltin 1,4-butanediol bis(mercaptoacetate)	yes	no	no		(10)		
31	50800	—	di-n-octyltin dimaleate, esterified	yes	no	no		(10)		
32	50880	—	di-n-octyltin dimaleate, polymers (n = 2-4)	yes	no	no		(10)		
33	51120	—	di-n-octyltin thiobenzoate 2-ethylhexyl mercaptoacetate	yes	no	no		(10)		
34	54270	—	ethylhydroxymethylcellulose	yes	no	no				
35	54280	—	ethylhydroxypropylcellulose	yes	no	no				
36	54450	—	fats and oils, from animal or vegetable food sources	yes	no	no				
37	54480	—	fats and	yes	no	no				

			oils, hydrogenated, from animal or vegetable food sources							
38	55520	—	glass fibers	yes	no	no				
39	55600	—	glass microballs	yes	no	no				
40	56360	—	glycerol esters with acetic acid	yes	no	no				
41	56486	—	glycerol esters with acids, aliphatic, saturated, linear, with an even number of carbon atoms (C_{14}-C_{18}) and with acids, aliphatic, unsaturated, linear, with an even number of carbon atoms (C_{16}-C_{18})	yes	no	no				
42	56487	—	glycerol esters	yes	no	no				

			with butyric acid							
43	56490	—	glycerol esters with erucic acid	yes	no	no				
44	56495	—	glycerol esters with 12-hydroxystearic acid	yes	no	no				
45	56500	—	glycerol esters with lauric acid	yes	no	no				
46	56510	—	glycerol esters with linoleic acid	yes	no	no				
47	56520	—	glycerol esters with myristic acid	yes	no	no				
48	56535	—	glycerol esters with nonanoic acid	yes	no	no				
49	56540	—	glycerol esters with oleic acid	yes	no	no				
50	56550	—	glycerol esters with palmitic acid	yes	no	no				
51	56570	—	glycerol esters with	yes	no	no				

			propionic acid						
52	56580	—	glycerol esters with ricinoleic acid	yes	no	no			
53	56585	—	glycerol esters with stearic acid	yes	no	no			
54	57040	—	glycerol monooleate, ester with ascorbic acid	yes	no	no			
55	57120	—	glycerol monooleate, ester with citric acid	yes	no	no			
56	57200	—	glycerol monopalmitate, ester with ascorbic acid	yes	no	no			
57	57280	—	glycerol monopalmitate, ester with citric acid	yes	no	no			
58	57600	—	glycerol monostearate, ester with ascorbic acid	yes	no	no			
59	57680	—	glycerol monostearate, ester with citric acid	yes	no	no			

60	58300	—	glycine, salts	yes	no	no				
62	64500	—	lysine, salts	yes	no	no				
63	65440	—	manganese pyrophosphite	yes	no	no				
64	66695	—	methylhydroxymethylcellulose	yes	no	no				
65	67155	—	mixture of 4-(2-benzoxazolyl)-4′-(5-methyl-2-benzoxazolyl)stilbene, 4,4′-bis(2-benzoxazolyl) stilbene and 4,4′-bis(5-methyl-2-benzoxazolyl)stilbene	yes	no	no			Not more than 0,05 % (w/w) (quantity of substance used/ quantity of the formulation). Mixture obtained from the manufacturing process in the typical ratio of (58-62 %): (23-27 %): (13-17 %).	
66	67600	—	mono-n-octyltin tris(alkyl(C_{10}-C_{16}) mercaptoacetate)	yes	no	no		(11)		
67	67840	—	montanic acids and/or their esters with ethyleneglycol and/or with 1,3-butanediol	yes	no	no				

			and/or with glycerol						
68	73160	—	phosphoric acid, mono- and di-n-alkyl (C_{16} and C_{18}) esters	yes	no	yes	0,05		
69	74400	—	phosphorous acid, tris(nonyl- and/or dinonylphenyl) ester	yes	no	yes	30		
70	76463	—	polyacrylic acid, salts	yes	no	no	(22)		
71	76730	—	polydimethylsiloxane, γ-hydroxypropylated	yes	no	no	6		
72	76815	—	polyesters of adipic acid with glycerol or pentaerythritol, esters with even numbered, unbranched C_{12}-C_{22} fatty acids	yes	no	no	(32)	The fraction with molecular weight below 1 000 Da [F2shall] not exceed 5 % (w/w)	
73	76866	—	polyesters of 1,2-propanediol and/or 1,3- and/or 1,4-butanediol	yes	no	yes	(31) (32)		

			and/or polypropyleneglycol with adipic acid, which may be end-capped with acetic acid or fatty acids C_{12}-C_{18} or n-octanol and/or n-decanol							
74	77440	—	polyethyleneglycol diricinoleate	yes	no	yes	42			
75	77702	—	polyethyleneglycol esters of aliph. monocarb. acids (C_6-C_{22}) and their ammonium and sodium sulphates	yes	no	no				
76	77732	—	polyethyleneglycol (EO = 1-30, typically 5) ether of butyl 2-cyano 3-(4-hydroxy-3-	yes	no	no	0,05		Only for use in PET	

			methoxyphenyl) acrylate						
77	77733	—	polyethyleneglycol (EO = 1-30, typically 5) ether of butyl-2-cyano-3-(4-hydroxyphenyl) acrylate	yes	no	no	0,05	Only for use in PET	
78	77897	—	polyethyleneglycol (EO = 1-50) monoalkylether (linear and branched, C_8-C_{20}) sulphate, salts	yes	no	no	5		
79	80640	—	polyoxyalkyl (C_2-C_4) dimethylpolysiloxane	yes	no	no			
80	81760	—	powders, flakes and fibres of brass, bronze, copper, stainless steel, tin, iron and alloys of copper, tin and iron	yes	no	no			
81	83320	—	propylhydroxyethylcellulose	yes	no	no			
82	83325	—	propylhydroxymethylcellulose	yes	no	no			

83	83330	—	propylhydroxypropylcellulose	yes	no	no				
84	85601	—	silicates, natural (with the exception of asbestos)	yes	no	no				
85	85610	—	silicates, natural, silanated (with the exception of asbestos)	yes	no	no				
86	86000	—	silicic acid, silylated	yes	no	no				
[F2 87	86285		Silicon dioxide, silanated	yes	no	no			For synthetic amorphous silicon dioxide, silanated: primary particles of 1–100 nm which are aggregated to a size of 0,1–1 μm and may form agglomerates within the size distribution of 0,3 μm to the mm size.]	

88	86880	—	sodium monoalkyl dialkylphenoxybenzenedisulphonate	yes	no	no	9			
89	89440	—	stearic acid, esters with ethyleneglycol	yes	no	no		(2)		
90	92195	—	taurine, salts	yes	no	no				
91	92320	—	tetradecyl polyethyleneglycol(EO = 3-8) ether of glycolic acid	yes	no	yes	15			
92	93970	—	tricyclodecanedimethanol bis(hexahydrophthalate)	yes	no	no	0,05			
93	95858	—	waxes, paraffinic, refined, derived from petroleum based or synthetic hydrocarbon feedstocks, low viscosity	yes	no	no	0,05		Not to be used for articles in contact with fatty foods for which [F2 simulant D1 and/ or D2] is laid down. Average molecular weight not less than 350 Da. Viscosity at 100 °C not less	

									than 2,5 cSt ($2,5 \times 10^{-6}$ m^2/s). Content of hydrocarbons with Carbon number less than 25, not more than 40 % (w/w).	
94	95859	—	waxes, refined, derived from petroleum based or synthetic hydrocarbon feedstocks, high viscosity	yes	no	no			Average molecular weight not less than 500 Da. Viscosity at 100 °C not less than 11 cSt (11×10^{-6} m^2/s). Content of mineral hydrocarbons with Carbon number less than 25, not more than 5 % (w/w).	

95	95883	—	white mineral oils, paraffinic, derived from petroleum based hydrocarbon feedstocks	yes	no	no			Average molecular weight not less than 480 Da. Viscosity at 100 °C not less than 8,5 cSt (8,5 × 10^{-6} m^2/s). Content of mineral hydrocarbons with Carbon number less than 25, not more than 5 % (w/w).	
96	95920	—	wood flour and fibers, untreated	yes	no	no				
97	72081/10	—	petroleum hydrocarbon resins (hydrogenated)	yes	no	no			Petroleum hydrocarbon resins, hydrogenated are produced by the catalytic or thermalpolymerisation of dienes and olefins	

									of the aliphatic, alicyclic and/or monobenzenoidarylalkene types from distillates of cracked petroleum stocks with a boiling range not greater than 220 °C, as well as the pure monomers found in these distillation streams, subsequently followed by distillation, hydrogenation and additional processing. Properties: — Viscosity at 120 °C: > 3 Pa.s, — Softening point: > 95 °C as determined by ASTM Method

									—	E 28-67, Bromine number: < 40 (ASTM D1159),
									—	The colour of a 50 % solution in toluene < 11 on the Gardner scale,
									—	Residual aromatic monomer ≤ 50 ppm,
98	17260 54880	00000500-00-0	formaldehyde	yes	yes	no		(15)		
99	19460 62960	00000500-21-5	lactic acid	yes	yes	no				
100	24490 88320	00000500-36-4	sorbitol	yes	yes	no				
101	36000	00000500-81-7	ascorbic acid	yes	no	no				
102	17530	00000500-99-7	glucose	no	yes	no				
103	18100 55920	00000556-85-5	glycerol	yes	yes	no				
104	58960	00000570-09-0	hexadecyltrimethylammonium bromide	yes	yes	no	6			
105	22780 70400	00000570-10-3	palmitic acid	yes	yes	no				
106	24550 89040	00000570-14-7	stearic acid	yes	yes	no				

107	25960	00000057-13-6	urea	no	yes	no				
108	24880	00000057-50-1	sucrose	no	yes	no				
109	23740 81840	00000057-55-6	1,2-propanediol	yes	yes	no				
110	93520	00000059-02-9 00101911-40-0	α-tocopherol	yes	no	no				
111	53600	00000060-00-4	ethylenediaminetetraacetic acid	no		no				
112	64015	00000060-33-3	linoleic acid	yes	no	no				
113	16780 52800	00000064-17-5	ethanol	yes	yes	no				
114	55040	00000064-18-6	formic acid	yes	no	no				
115	10090 30000	00000064-19-7	acetic acid	yes	yes	no				
116	13090 37600	00000065-85-0	benzoic acid	yes	yes	no				
117	21550	00000067-56-1	methanol	no	yes	no				
118	23830 81882	00000067-63-0	propanol	yes	yes	no				
119	30295	00000067-64-1	acetone	yes	no	no				
120	49540	00000067-68-5	dimethyl sulphoxide	yes	no	no				
121	24270 84640	00000069-72-7	salicylic acid	yes	yes	no				
122	23800	00000071-23-8	propanol	no	yes	no				
123	13840	00000071-36-3	butanol	no	yes	no				
124	22870	00000071-41-0	pentanol	no	yes	no				
125	16950	00000074-85-1	ethylene	no	yes	no				
126	10210	00000074-86-2	acetylene	no	yes	no				
127	26050	00000075-01-4	vinyl chloride	no	yes	no	ND		1 mg/kg in final product	

128	10060	000007-07-0	acetaldehyde	no	yes	no		(1)		
129	17020	000075-21-8	ethylene oxide	no	yes	no	ND		1 mg/kg in final product	(10)
130	26110	000075-35-4	vinylidene chloride	no	yes	no	ND			(1)
131	48460	000075-37-6	1,1-difluoroethane	yes	no	no				
132	26140	000075-38-7	vinylidene fluoride	no	yes	no	5			
133	14380 23155	000075-44-5	phosgene	no	yes	no	ND		1 mg/kg in final product	(10)
134	43680	000075-45-6	chlorodifluoromethane	yes	no	no	6		Content of chlorofluoromethane less than 1 mg/kg of the substance	
135	24010	000075-56-9	propylene oxide	no	yes	no	ND		1 mg/kg in final product	
136	41680	000076-22-2	camphor	yes	no	no				(3)
137	66580	000077-62-3	2,2′-methylenebis(4-methyl-6-(1-methylcyclohexyl)phenol)	yes	no	yes		(5)		
138	93760	000077-90-7	tri-n-butyl acetyl citrate	yes	no	no		(32)		
139	14680 44160	000077-92-9	citric acid	yes	yes	no				
140	44640	000077-93-0	citric acid, triethyl ester	yes	no	no		(32)		

141	13380 25600 94960	00000077-99-6	1,1,1-trimethylolpropane	yes	yes	no	6			
142	26305	0000078-08-0	vinyltriethoxysilane	yes	yes	no	0,05		Only to be used as a surface treatment agent	[F9(1)]
143	62450	0000078-78-4	isopentane	yes	no	no				
144	19243 21640	0000078-79-5	methyl-1,3-butadiene	no	yes	no	ND		1 mg/kg in final product	
145	10630	0000079-06-1	acrylamide	no	yes	no	ND			
146	23890 82000	0000079-09-4	propionic acid	yes	yes	no				
147	10690	0000079-10-7	acrylic acid	no	yes	no		(22)		
148	14650	0000079-38-9	chlorotrifluoroethylene	yes	yes	no	ND			(1)
149	19990	0000079-39-0	methacrylamide	yes	yes	no	ND			
150	20020	0000079-41-4	methacrylic acid	yes	yes	no		(23)		
[F6151	13480 13607]	00000080-05-7	2,2-bis(4-hydroxyphenyl)propane	no	yes	no	0,05		Not to be used for the manufacture of polycarbonate infant f feeding bottles g. Not to be used for the manufacture of polycarbonate drinking cups or	

									bottles which, due to their spill proof characteristics, are intended for infants [i] and young children [j].	
152	15610	000008047-9	4,4'-dichlorodiphenyl sulphone	no	yes	no	0,05			
153	15267	000008048-0	4,4'-diaminodiphenyl sulphone	no	yes	no	5			
154	13617 16090	000008049-1	4,4'-dihydroxydiphenyl sulphone	no	yes	no	0,05			
155	23470	000008056-8	α-pinene	no	yes	no				
156	21130	000008062-6	methacrylic acid, methyl ester	no	yes	no		(23)		
157	74880	000084-74-2	phthalic acid, dibutyl ester	yes	no	no	0,3	(32)	Only to be used as: (a) plasticiser in repeated use materials and articles contacting non-fatty foods; (b) technical support agent in	(7)

										polyolefins in concentrations up to 0,05 % in the final product.
158	23380 76320	000008[illegible]	[illegible]alic anhydride	yes	yes	no				
159	74560	000008[illegible]	[illegible]alic acid, benzyl butyl ester	yes	no	no	30	(32)	Only to be used as: (a) (b)	(7) plasticiser in repeated use materials and articles; plasticiser in single-use materials and articles contacting non-fatty foods except for infant formulae and follow-on formulae as defined by Directive 2006/141/EC or processed cereal-

									(c)	based foods and baby foods for infants and young children as defined by Directive 2006/125/EC; technical support agent in concentrations up to 0,1 % in the final product.
160	84800	0000087-18-3	salicylic acid, 4-tert-butylphenyl ester	yes	no	yes	12			
[F10161	92160	000087-69-4	L-(+)-tartaric acid	yes	no	no]				
162	65520	0000087-78-5	mannitol	yes	no	no				
163	66400	0000088-24-4	2,2′-methylene bis(4-ethyl-6-tert-butylphenol)	yes	no	yes		(13)		
164	34895	0000088-68-6	2-aminobenzamide	yes	no	no	0,05		Only for use in PET for water and beverages	

165	23200 74480	00000088-99-3	phthalic acid	yes	yes	no				
166	24057	00000089-32-7	pyromellitic anhydride	yes	no	no	0,05			
167	25240	00000091-08-7	2,6-toluene diisocyanate	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
168	13075 15310	00000091-76-9	2,4-diamino-6-phenyl-1,3,5-triazine	no	yes	no	5			[F9(1)]
169	16240	00000091-97-4	3,3′-dimethyl-4,4′-diisocyanatobiphenyl	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
170	16000	00000092-88-6	4,4′-dihydroxybiphenyl	no	yes	no	6			
171	38080	00000093-58-3	benzoic acid, methyl ester	yes	no	no				
172	37840	00000093-89-0	benzoic acid, ethyl ester	yes	no	no				
173	60240	00000094-13-3	3-hydroxybenzoic acid, propyl ester	yes	no	no				
174	14740	00000095-48-7	o-cresol	no	yes	no				
175	20050	00000096-05-9	methacrylic acid, allyl ester	yes	no	no	0,05			

176	11710	00000096-33-3	acrylic acid, methyl ester	no	yes	no		(22)		
177	16955	00000096-49-1	ethylene carbonate	no	yes	no	30		SML expressed as ethyleneglycol. Residual content of 5 mg ethylene carbonate per kg of hydrogel with max 10 g of hydrogel in contact with 1 kg of food.	
178	92800	00000096-69-5	4,4′-thiobis(6-tert-butyl-3-methylphenol)	yes	no	yes	0,48			
179	48800	00000097-23-4	2,2′-dihydroxy-5,5′-dichlorodiphenylmethane	yes	no	yes	12			
[F11 180	17160	00000097-53-0	eugenol	no	yes	no		(33)]		
181	20890	00000097-62-1	methacrylic acid, ethyl ester	yes	no			(23)		
182	19270	00000097-65-4	itaconic acid	no	yes	no				
183	21010	00000097-86-9	methacrylic acid, isobutyl ester	yes	no			(23)		
184	20110	00000097-88-1	methacrylic acid,	yes	no			(23)		

			butyl ester							
185	20440	00000977-90-5	methacrylic acid, diester with ethyleneglycol	no	yes	no	0,05			
186	14020	00000985-4	4-tert-butylphenol	no	yes	no	0,05			
187	22210	00000998-83-9	α-methylstyrene	no	yes	no	0,05			
188	19180	00000999-63-8	isophthalic acid dichloride	no	yes	no		(27)		
189	60200	00000999-76-3	4-hydroxybenzoic acid, methyl ester	yes	no	no				
190	18880	00000999-96-7	*p*-hydroxybenzoic acid	no	yes	no				
191	24940	00001000-20-9	terephthalic acid dichloride	no	yes	no		(28)		
192	23187	—	phthalic acid	no	yes	no		(28)		
193	24610	00001000-42-5	styrene	no	yes	no				
194	13150	00001000-51-6	benzyl alcohol	no	yes	no				
195	37360	00001000-52-7	benzaldehyde	no	no	no				(3)
196	18670 59280	00001000-97-0	hexamethylenetetramine	yes	no	no		(15)		
197	20260	00001013-43-9	methacrylic acid, cyclohexyl ester	no	yes	no	0,05			
198	16630	00001016-87-8	diphenylmethane-4,4′-diisocyanate	no	yes	no		(17)	1 mg/kg in final product expressed as	(10)

									isocyanate moiety	
199	24073	00001014-99-6	resorcinol diglycidyl ether	no	yes	no	ND		Not to be used for articles in contact with fatty foods for which [F2simulant D1 and/ or D2] is laid down. For indirect food contact only, behind a PET layer.	(8)
200	51680	00001021-08-9	1,3-diphenylthiourea	yes	no	yes	3			
201	16540	00001022-09-0	diphenyl carbonate	no	yes	no	0,05			
202	23070	00001023-39-6	(3,3′-phenylenedioxy)diacetic acid	no	yes	no	0,05			[F9(1)]
203	13323	00001024-47-9	1,3-bis(2-hydroxyethoxy)benzene	no	yes	no	0,05			
204	25180 92640	00001024-62-8	N,N,N′,N′-tetrakis(2-hydroxypropyl)ethylenediamine	yes	yes	no				
205	25385	00001024-73-1	triethylamine	no	yes	no			40 mg/ kg hydrogel at a ratio of 1 kg food	

									to a maximum of 1,5 grams of hydrogel. Only to be used in hydrogels intended for non-direct food contact use.	
206	11500	00001033-11-7	acrylic acid, 2-ethylhexyl ester	no	yes	no	0,05			
207	31920	00001033-23-1	azelaic acid, bis(2-ethylhexyl) ester	yes	no	yes	18	(32)		(2)
208	18898	00001037-99-2	N-(4-hydroxyphenyl) acetamide	no	yes	no	0,05			
209	17050	00001047-7	6-7 ethyl-1-hexanol	no	yes	no	30			
210	13390 14880	00001051-08-8	1,4-bis(hydroxymethyl)cyclohexane	no	yes	no				
211	23920	00001053-83-4	propionic acid, vinyl ester	no	yes	no		(1)		
212	14200 41840	00001056-60-2	ε-caprolactam	yes	yes	no		(4)		
213	82400	00001062-64-4	propyleneglycol dioleate	yes	no	no				

214	61840	00001061-24-9	12-hydroxystearic acid	yes	no	no				
215	14170	00001063-31-0	benzoic anhydride	no	yes	no				
216	14770	00001064-44-5	*p*-cresol	no	yes	no				
217	15565	00001065-46-7	1,2-dichlorobenzene	no	yes	no	12			
218	11590	00001066-63-2	benzoic acid, isobutyl ester	no	yes	no		(22)		
219	14570 16750	00001067-89-8	epichlorohydrin	yes	no	no	ND		1 mg/kg in final product	(10)
220	20590	00001068-91-2	methacrylic acid, 2,3-epoxypropyl ester	yes	no	no	0,02			(10)
221	40570	00001069-97-8	butane	yes	no	no				
222	13870	00001070-88-9	1-butene	no	yes	no				
223	13630	00001070-99-0	butadiene	no	yes	no	ND		1 mg/kg in final product	
224	13900	00001072-20-7	2-butene	no	yes	no				
225	12100	00001071-13-1	acrylonitrile	yes	no	no	ND			
226	15272 16960	00001071-15-3	ethylenediamine	yes	no	no	12			
227	16990 53650	00001071-21-1	ethylene glycol	yes	no	no		(2)		
228	13690	00001071-28-0	1,3-butanediol	no	yes	no				
229	14140	00001071-93-6	benzoic acid	no	yes	no				
230	16150	00001080-10-0	dimethylaminoethanol	no	no	no	18			

231	10120	000010[illegible]8-05-4	acetic acid, vinyl ester	no	yes	no	12			
232	10150 30280	000010[illegible]8-24-7	acetic anhydride	yes	yes	no				
233	24850	000010[illegible]8-30-5	succinic anhydride	no	yes	no				
234	19960	000010[illegible]8-31-6	maleic anhydride	no	yes	no		(3)		
235	14710	000010[illegible]8-39-4	*m*-cresol	no	yes	no				
[F12]236	23050	000010[illegible]8-45-2	1,3-phenylenediamine	no	yes	no	ND			(28)]
237	15910 24072	000010[illegible]8-46-3	1,3-dihydroxybenzene	no	yes	no	2,4			
238	18070	000010[illegible]8-55-4	glutaric anhydride	no	yes	no				
[F13]239	19975 25420 93720]	000010[illegible]8-78-6	2,4,6-triamino-1,3,5-triazine	yes	yes	no	2,5			
240	45760	000010[illegible]8-91-8	cyclohexylamine	yes	no	no				
[F10]241	22960	000010[illegible]8-95-2	phenol	no	yes	no	3]			
242	85360	000010[illegible]9-43-3	sebacic acid, dibutyl ester	yes	no	no		(32)		
243	19060	000010[illegible]9-53-5	isobutyl vinyl ether	no	yes	no	0,05			(10)
244	71720	000010[illegible]9-66-0	pentane	yes	no	no				
245	22900	000010[illegible]9-67-1	1-pentene	no	yes	no	5			
246	25150	000010[illegible]9-99-9	tetrahydrofuran	yes	no	no	0,6			
247	24820 90960	000011[illegible]0-15-6	succinic acid	yes	yes	no				
248	19540 64800	000011[illegible]0-16-7	maleic acid	yes	yes	no		(3)		

249	17290 55120	0000110-17-8	fumaric acid	yes	yes	no				
250	53520	0000110-30-5	N,N-ethylenebisstearamide	yes	no	no				
251	53360	0000110-31-6	N,N-ethylenebisoleamide	yes	no	no				
252	87200	0000110-44-1	sorbic acid	yes	no	no				
253	15250	0000110-60-1	1,4-diaminobutane	no	yes	no				
254	13720 40580	0000110-63-4	1,4-butanediol	yes	yes	no		(30)		
255	25900	0000110-88-3	trioxane	no	yes	no	5			
256	18010 55680	0000110-94-1	glutaric acid	yes	yes	no				
[F1 1]257	13550 16660 51760]	0000110-98-5 0025265-71-8	dipropyleneglycol	yes	yes	no				
258	70480	0000111-06-8	palmitic acid, butyl ester	yes	no	no				
259	58720	0000111-14-8	heptanoic acid	yes	no	no				
260	24280	0000111-20-6	sebacic acid	no	yes	no				
261	15790	0000111-40-0	ethylenediamine	yes	no	no	5			
262	35284	0000111-41-1	N-(2-aminoethyl)ethanolamine	yes	no	no	0,05		Not to be used for articles in contact with fatty foods for which [F2 simulant D1 and/	

									or D2] is laid down. For indirect food contact only, behind a PET layer.	
263	13326 15760 47680	0000111-46-6	diethyleneglycol	yes	yes	no		(2)		
264	22660	0000111-66-0	1-octene	no	yes	no	15			
265	22600	0000111-87-5	1-octanol	no	yes	no				
266	25510 94320	0000112-27-6	triethyleneglycol	yes	yes	no				
267	15100	0000112-30-1	1-decanol	no	yes	no				
268	16704	0000112-41-4	1-dodecene	no	yes	no	0,05			
269	25090 92350	0000112-60-7	tetraethyleneglycol	yes	yes	no				
270	22763 69040	0000112-80-1	oleic acid	yes	yes	no				
271	52720	0000112-84-5	erucamide	yes	no	no				
272	37040	0000112-85-6	behenic acid	yes	no	no				
273	52730	0000112-86-7	erucic acid	yes	no	no				
274	22570	0000112-96-9	octadecyl isocyanate	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
275	23980	0000115-07-1	propylene	no	yes	no				

276	19000	00001151-11-7	1-dodecene	no	yes	no			
277	18280	00001152-27-5	hexachloroendomethylene tetrahydrophthalic anhydride	no	yes	no	ND		
278	18250	00001152-28-6	hexachloroendomethylene tetrahydrophthalic acid	no	yes	no	ND		
279	22840 71600	00001157-77-5	pentaerythritol	no	yes	no			
280	73720	00001196-78-9	phosphonic acid, trichloroethyl ester	yes	no	no	ND		
281	25120	00001164-11-3	tetrafluoromethylene	no	yes	no	0,05		
282	18430	00001116-15-4	hexafluoropropylene	no	yes	no	ND		
283	74640	00001177-81-7	phthalic acid, bis(2-ethylhexyl) ester	yes	no	no	1,5	(32)	Only to be used as: (a) plasticiser in repeated use materials and articles contacting non-fatty foods; (b) technical support agent in concentrations up to 0,1 % in the final product.	(7)
284	84880	00001119-36-8	salicylic acid, methyl ester	yes	no	no	30			
285	66480	00001119-47-1	2,2'-methylene bis(4-	yes	no	yes		(13)		

			methyl-6-tert-butylphenol)							
286	38240	00001190-61-2	benzophenone	no	no	yes	0,6			
287	60160	00001204-28-7	yes hydroxybenzoic acid, ethyl ester	no	no					
288	24970	00001206-61-6	terephthalic acid, dimethyl ester	yes	no					
289	15880 24051	00001207-20-9	no 1,2-dihydroxybenzene	yes	no	6				
290	55360	00001211-29-6	yes gallic acid, propyl ester	no	no		(20)			
291	19150	00001211-91-5	isophthalic acid	no	yes	no		(27)		
292	94560	00001222-83-2	tris(2-hydroxypropyl)amine	no	no	5				
293	23175	00001224-22-9	phosphorous acid, triethyl ester	no	yes	no	ND		1 mg/kg in final product	(1)
294	93120	00001238-23-8	3,3'-thiodipropionic acid, didodecyl ester	yes	no	yes		(14)		
295	15940 18867 48620	00001243-34-1	3,4-dihydroxybenzene	yes	yes	no	0,6			
296	23860	00001243-38-5	propionaldehyde	yes	no					
297	23950	00001243-62-9	propionic anhydride	no	yes	no				
298	14110	00001243-72-8	benzylaldehyde	yes	no					
299	63840	00001243-76-2	levulinic acid	yes	no	no				
300	30045	00001243-86-4	abietic acid, butyl ester	yes	no	no				

301	89120	0000123-95-5	stearic acid, butyl ester	yes	no	no				
302	12820	0000123-99-9	azelaic acid	no	yes	no				
303	12130 31730	0000124-04-9	adipic acid	yes	yes	no				
304	14320 41960	0000124-07-2	capryl ic acid	yes	yes	no				
305	15274 18460	0000124-09-4	hexamethylenediamine	yes	no	no	2,4			
306	88960	0000124-26-5	stearamide	yes	no	no				
307	42160	0000124-38-9	carbon dioxide	yes	no	no				
308	91200	0000126-13-6	sucrose acetate isobutyrate	yes	no	no				
309	91360	0000126-14-7	sucrose octaacetate	yes	no	no				
310	16390 22437	0000126-30-7	2,2-dimethyl-1,3-propanediol	no	yes	no	0,05			
311	16480 51200	0000126-58-9	dipentaerythritol	yes	no	no				
312	21490	0000126-98-7	methacrylonitrile	yes	no	no	ND			
313	16650 51570	0000127-63-9	diphenyl sulphone	yes	yes	no	3			
314	23500	0000127-91-3	β-pinene	no	yes	no				
315	46640	0000128-37-0	2,6-di-tert-butyl-p-cresol	yes	no	no	3			
316	23230	0000131-17-9	phthalic acid, diallyl ester	no	yes	no	ND			

317	48880	00001312-3	2,2′-3 dihydroxy-4-methoxybenzophenone	yes	no	yes		(8)		
318	48640	00001314-6	2,4-6 dihydroxybenzophenone	yes	no	no		(8)		
319	61360	00001315-7	2-hydroxy-4-methoxybenzophenone	yes	no	yes		(8)		
320	37680	00001360-7	benzoic acid, butyl ester	yes	no	no				
321	36080	00001377-6	L-6-O-palmitate	yes	no	no				
322	63040	00001382-7	lactic acid, butyl ester	yes	no	no				
323	11470	00001408-5	abietic acid, ethyl ester	no	yes	no		(22)		
324	83700	00001411-0	ricinoleic acid	yes	no	yes	42			
325	10780	00001412-1	acrylic acid, n-butyl ester	no	yes	no		(22)		
326	12763 35170	00001424-3	2-aminoethanol	yes	yes	no	0,05		Not to be used for articles in contact with fatty foods for which [F2 simulant D1 and/or D2] is laid down.	

									For indirect food contact only, behind a PET layer.	
327	30140	000014	lactic acid, ethyl ester	yes	no	no				
328	65040	000014	malonic acid	yes	no	no				
329	59360	000014	hexanoic acid	yes	no	no				
330	19470 63280	000014	lauric acid	yes	yes	no				
331	22480	000014	nonanol	no	yes	no				
332	69760	000014	octyl alcohol	yes	no	no				
333	22775 69920	000014	oxalic acid	yes	yes	no	6			
334	17005	000015	ethylenimine	no	yes	no	ND			
335	68960	000030	decanoic acid amide	yes	no	no				
336	15095 45940	000033	n-decanoic acid	yes	yes	no				
337	15820	000034	2,2′,4,4′-tetrahydroxy-5,5′-difluorobenzophenone	no	yes	no	0,05			
338	71020	000037	palmitoleic acid	yes	no	no				
339	86160	000040	silicon carbide	yes	no	no				
[F14340	47440	000046	benzanodiamide	no	no	no	60]			
341	13180 22550	000049	bicyclo[2.2.1]hept-2-ene	yes	no	no	0,05			
342	14260	000050	caprolactone	no	yes	no		(29)		
343	23770	000050	1,3-propanediol	no	yes	no	0,05			

[F10344	13810 21821]	00005051-65-7	1,3-butanediol formal	no	yes	no	0,05	15 30		(21)
345	35840	00005064-19-7	behenic acid	yes	no	no				
346	10030	00005143-07-7	abietic acid	no	yes	no				
347	13050 25540	00005284-66-7	trimellitic acid	no	yes	no		(21)		
348	22350 67891	00005440-53-8	myristic acid	yes	yes	no				
349	25550	00005526-37-7	trimellitic anhydride	no	yes	no		(21)		
350	63920	00005577-59-5	lignoceric acid	yes	no	no				
351	21730	00005634-78-2	3-methyl-1-butene	no	yes	no	ND		Only to be used in polypropylene	(1)
352	16360	0000576-26-1	2,6-dimethylphenol	no	yes	no	0,05			
353	42480	00005843-08-8	carbonic acid, rubidium salt	yes	no	no	12			
354	25210	00005873-54-1	toluene diisocyanate	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
355	20170	00005919-74-2	methacrylic acid, tert-butyl ester	no	yes	no		(23)		
356	18820	00005921-41-6	1-hexene	no	yes	no	3			
357	13932	00005933-32-3	buten-2-ol	no	yes	no	ND		Only to be used	(1)

									as a co-monomer for the preparation of polymeric additive	
358	14841	00005994-64-4	4-cumylphenol	no	yes	no	0,05			
359	15970 48720	00006114-99-4	2,4-dihydroxybenzophenone	yes	yes	no		(8)		
360	57920	00006209-67-7	glyceryl triheptanoate	yes	no	no				
361	18700	00006291-16-8	1,6-hexanediol	no	yes	no	0,05			
362	14350	00006300-08-0	carbon monoxide	no	yes	no				
363	16450	00006461-06-0	1,3-dioxolane	no	yes	no	5			
[F10364	15404	00006521-67-3	1,4:3,6-dianhydrosorbitol	no	yes	no	5		Only to be used as: (a) (b)	a co-monomer in poly(ethylene-co-isosorbide terephthalate); a co-monomer at levels of up to 40 mole % of the diol component in

										combination with ethylene glycol and/ or 1,4-bis(hydroxymethyl)cyclohe for the production of polyesters. Polyesters made using dianhydrosorbitol together with 1,4-bis(hydroxymethyl)cyclohexane shall not be used in contact with foods containing more than 15 % alcohol.]
365	11680	00006891-12-5	acrylic acid, isopropyl ester	no	yes	no		(22)		
366	22150	00006914-37-2	methyl-1-pentene	no	yes	no	0,05			
367	16697	00006938-23-7	dodecanedioic acid	no	yes	no				
368	93280	00006938-37-3	3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionic acid, dioctadecyl ester	no	yes	no		(14)		

369	12761	00006931-27-2	12-aminododecanoic acid	no	yes	no	0,05			
370	21460	00007604-99-0	methacrylic anhydride	no	yes	no		(23)		
371	11510 11830	00008187-57-0	acrylic acid, monoester with ethyleneglycol	no	yes	no		(22)		
372	18640	00008220-06-0	hexamethylene diisocyanate	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
373	22390	00008406-05-3	2,6-naphthalenedicarboxylic acid, dimethyl ester	no	yes	no	0,05			
374	21190	00008677-43-9	methacrylic acid, monoester with ethyleneglycol	no	yes	no		(23)		
375	15130	00008721-05-9	1-decene	no	yes	no	0,05			
[F13376	66905	00008721-50-4	N-methylpyrrolidone	yes	no	no	60]			
377	12786	00009194-33-0	3-aminopropyltriethoxysilane	no	yes	no	0,05		Residual extractable content of 3-aminopropyltriethoxysilane to be less than 3 mg/kg filler when used for the reactive surface	

									treatment of inorganic fillers. SML = 0,05 mg/kg when used for the surface treatment of materials and articles.	
378	21970	000092302-4	N-methylolmethacrylamide	no	yes	no	0,05			
379	21940	000092442-5	N-methylolacrylamide	no	yes	no	ND			
380	11980	000092560-1	acrylic acid, propyl ester	no	yes	no		(22)		
381	15030	000093188-4	n-octane	no	yes	no	0,05		Only to be used in polymers contacting foods for which simulant A is laid down	
382	19490	000094704-6	lauryllactam	no	yes	no	5			
383	72160	000094826-2	2-phenylindole	yes	no	yes	15			
384	40000	000099284-1	2,4-bis(octylmercapto)-6-(4-hydroxy-3,5-di-tert-butylanilino)-1,3,5-triazine	yes	no	yes	30			

385	11530	00009999-61-1	acrylic acid, 2-hydroxypropyl ester	no	yes	no	0,05		SML expressed as the sum of acrylic acid, 2-hydroxypropyl ester and acrylic acid, 2-hydroxyisopropyl ester. It may contain up to 25 % (m/m) of acrylic acid, 2-hydroxyisopropyl ester (CAS No 0002918-23-2).	(1)
386	55280	00010340-11-1	gallic acid, octyl ester	yes	no	no		(20)		
387	26155	00010724-63-5	1-vinylimidazole	no	yes	no	0,05			[F9(1)]
388	25080	00011201-36-1	1-tetradecene	no	yes	no	0,05			
389	22360	00011412-38-4	2,6-naphthalenedicarboxylic acid	no	yes	no	5			
390	55200	00011663-52-5	gallic acid, dodecyl ester	yes	no	no		(20)		
[F2391	22932	00011879-93-5	perfluoromethyl perfluorovinyl ether	no	yes	no	0,05		Only to be used in:	

									— anti-stick coatings; — fluoro- and perfluoropolymers intended for repeated use applications where the contact ratio is 1 dm^2 surface in contact with at least 150 kg food.]	
392	72800	000124-94-7	phosphonic acid, diphenyl 2-ethylhexyl ester	yes	no	yes	2,4			
393	37280	000130-27-8	zinc oxide	yes	no	no				
394	41280	000130-62-3	calcium hydroxide	yes	no	no				
395	41520	000130-78-9	calcium oxide	yes	no	no				
396	64640	000130-42-8	magnesium hydroxide	yes	no	no				
397	64720	000130-48-4	magnesium oxide	yes	no	no				
[F12 398	35760	000130-64-4	antimony trioxide	yes	no	no				(6)]
399	81600	000131-58-3	potassium hydroxide	yes	no	no				

400	86720	0001310-73-2	sodium hydroxide	yes	no	no				
401	24475	0001313-82-2	sodium sulphide	no	yes	no				
402	96240	0001314-13-2	zinc oxide	yes	no	no				
403	96320	0001314-98-3	zinc sulphide	yes	no	no				
404	67200	0001317-33-5	molybdenum disulphide	yes	no	no				
405	16690	0001321-74-0	divinylbenzene	yes	no	no	ND		SML expressed as the sum of divinylbenzene and ethylvinylbenzene. It may contain up to 45 % (m/m) of ethylvinylbenzene.	(1)
406	83300	0001323-39-3	1,2-propyleneglycol monostearate	yes	no	no				
407	87040	0001330-43-4	sodium tetraborate	yes	no	no		(16)		
408	82960	0001330-80-9	1,2-propyleneglycol monooleate	yes	no	no				
409	62240	0001332-37-2	iron oxide	yes	no	no				
[F10410	62720	0001332-58-7	kaolin	yes	no	no			Particles can be thinner than 100 nm only if incorporated at a quantity of less than 12 % w/w	

									in an ethylene vinyl alcohol copolymer (EVOH) inner layer of a multi-layer structure, in which the layer in direct contact with the food provides a functional barrier preventing migration of particles into the food.]
411	42080	0001333-86-4	carbon black	yes	no	no			Primary particles of 10 – 300 nm which are aggregated to a size of 100 – 1 200 nm which may form agglomerates within the size

									distribution of 300 nm – mm. Toluene extractables: maximum 0,1 %, determined according to ISO method 6209. UV absorption of cyclohexane extract at 386 nm: < 0,02 AU for a 1 cm cell or < 0,1 AU for a 5 cm cell, determined according to a generally recognised method of analysis. Benzo(a)pyrene content: max 0,25 mg/kg carbon black. Maximum use level of carbon black in the polymer:

									2,5 % w/w.	
412	45200	000133523-5	copper iodide	yes	no	no		(6)		
413	35600	000133621-6	ammonium hydroxide	yes	no	no				
414	87600	000133830-2	sorbitan monolaurate	yes	no	no				
415	87840	000133841-6	sorbitan monostearate	yes	no	no				
416	87680	000133843-8	sorbitan monooleate	yes	no	no				
417	85680	000134398-2	succinic acid	yes	no	no				
418	34720	000134428-1	aluminium oxide	yes	no	no				
419	92150	000140155-4	tannic acids	yes	no	no			According to the JECFA specifications	
420	19210	000145993-4	isophthalic acid, dimethyl ester	no	yes	no	0,05			
[F14421	13000	000147715-0	benzenedimethanamine	no	yes	no		(34)]		
422	38515	000153444-5	4,4'-bis(2-benzoxazolyl)stilbene	yes	no	yes	0,05			(2)
423	22937	000162358-8	perfluoropropylperfluorovinyl ether	no	yes	no	0,05			
424	15070	000164711-6	1,9-decadiene	no	yes	no	0,05			
425	10840	000166339-4	abietic acid, tert-butyl ester	no	yes	no		(22)		
426	13510 13610	000167552-3	2,2-bis(4-hydroxyphenyl)propane bis(2,3-epoxypropyl) ether	no	yes	no			In compliance with Commission Regulation (EC)	

									No 1895/2005[a]	
427	18896	00016794-51-2	(hydroxymethyl)-1-cyclohexene	no	yes	no	0,05			
428	95200	00017091-76-2	1,3,5-trimethyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl)benzene	yes	no	no				
429	13210	00017619-73-8	1,3-bis(4-aminocyclohexyl)methane	no	yes	no	0,05			
430	95600	00018437-03-4	1,3,5-tris(2-methyl-4-hydroxy-5-tert-butylphenyl) butane	yes	no	yes	5			
431	61600	00018432-05-6	2-hydroxy-4-n-octyloxybenzophenone	yes	no	yes		(8)		
432	12280	00020357-25-8	adipic anhydride	no	yes	no				
433	68320	00020823-79-1	octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	yes	no	yes	6			
434	20410	00020882-04-6	2-methacrylic acid, diester with 1,4-butanediol	no	yes	no	0,05			
435	14230	00021239-24-2	caprolactam, sodium salt	no	yes	no		(4)		
436	19480	00021469-14-9	lauric acid, vinyl ester	no	yes	no				
437	11245	00021560-93-0	acrylic acid,	no	yes	no	0,05			(2)

			dodecyl ester							
[F13438	13303	000216	2,6-bis(2,6-diisopropylphenyl) carbodiimide	no	yes	no	0,05		Expressed as the sum of bis(2,6-diisopropylphenyl)carbodiimide and its hydrolysis product 2,6-diisopropylaniline	]
439	21280	000217	7-octenoic acid, phenyl ester	no	yes	no		(23)		
440	21340	000221	2-methacrylic acid, propyl ester	no	yes	no		(23)		
441	38160	000231	5-benzoic acid, propyl ester	yes	no	no				
442	13780	000242	1,4-butanediol bis(2,3-epoxypropyl)ether	no	yes	no	ND		Residual content = 1 mg/kg in final product expressed as epoxygroup. Molecular weight is 43 Da.	(10)
443	12788	000243	11-aminoundecanoic acid	no	yes	no	5			
444	61440	000244	2-(2′-hydroxy-5′-methylphenyl)benzotriazole	yes	no	no		(12)		
445	83440	000246	pyrophosphoric acid	yes	no	no				

446	10750	0002495-35-4	acrylic acid, benzyl ester	no	yes	no		(22)		
447	20080	0002495-37-6	methacrylic acid, benzyl ester	no	yes	no		(23)		
448	11890	0002499-59-4	acrylic acid, n-octyl ester	no	yes	no		(22)		
[F11 449	49840	0002500-88-1	dioctadecyl disulphide	yes	no	yes	0,05]			
450	24430	0002561-88-8	sebacic anhydride	no	yes	no				
451	66755	0002682-20-4	2-methyl-4-isothiazolin-3-one	yes	no	no	0,5		Only to be used in aqueous polymer dispersions and emulsions	
[F13 452	38885	0002725-22-6	2,4-bis(2,4-dimethylphenyl)-6-(2-hydroxy-4-n-octyloxyphenyl)-1,3,5-triazine	yes	no	no	5]			
453	26320	0002768-02-7	vinyltrimethoxysilane	no	yes	no	0,05			(10)
454	12670	0002855-13-2	1-amino-3-aminomethyl-3,5,5-trimethylcyclohexane	no	yes	no	6			
455	20530	0002867-47-2	methacrylic acid, 2-(dimethylamino)-ethyl ester	no	yes	no	ND			
456	10810	0002998-08-5	acrylic acid, sec-	no	yes	no		(22)		

			butyl ester							
457	20140	000299	8-18-7	methacrylic acid, sec-butyl ester	yes	no		(23)		
458	36960	000306	1-75-4	ε-caprolactam	yes	no	no			
459	46870	000313	53-18-0	3,5-di-tert-butyl-4-hydroxybenzylphosphonic acid, dioctadecyl ester	yes	no	no			
460	14950	000317	3-53-3	2-ethyl-1-hexyl isocyanate	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
461	22420	000317	3-72-6	1,5-naphthalene diisocyanate	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
462	26170	000319	5-17-8	1-vinyl-N-methylacetamide	no	yes	no	0,02			[F9(1)]
463	25840	000329	0-92-4	1,2,4-trimethylolpropane trimethacrylate	no	yes	no	0,05			
464	61280	000329	3-97-8	2-hydroxy-4-n-hexyloxybenzophenone	yes	no	yes		(8)		
465	68040	000333	7-62-8	2-[2-H-naphtho-(1,2-D)triazol-2-yl]-3-phenylcoumarin	yes	no	no				

466	50640	000364[illegible]8-8	di-n-octyltin dilaurate	yes	no	no		(10)		
[F15 467	14800 45600]	3724-65-0	crotonic acid	yes	yes	no		(35)		
468	71960	000382[illegible]5-26-1	perfluorooctanoic acid, ammonium salt	no	no				Only to be used in repeated use articles, sintered at high temperatures	
469	60480	000386[illegible]4-90-1	2-(2′-hydroxy-3,5′-di-tert-butylphenyl)-5-chlorobenzotriazole	yes	no	yes		(12)		
470	60400	000389[illegible]6-21-5	2-(2′-hydroxy-3′-tert-butyl-5′-methylphenyl)-5-chlorobenzotriazole	yes	no	yes		(12)		
471	24888	000396[illegible]5-55-7	sulphoisophthalic acid, monosodium salt, dimethyl ester	no	yes	no	0,05			
472	66560	000406[illegible]2-02-8	2,2′-methylenebis(4-methyl-6-cyclohexylphenol)	yes	no	yes		(5)		
473	12265	000407[illegible]4-90-2	adipic acid, divinyl ester	no	yes	no	ND		5 mg/kg in final product. Only to be used as co-monomer.	(1)
474	43600	000408[illegible]13-3	1-(3-chloroallyl)-3,5,7-	yes	no	no	0,3			

			triaza-1-azoniaadamantane chloride							
475	19110	000409817-9	1-isocyanato-3-isocyanatomethyl-3,5,5-trimethylcyclohexane	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
476	16570	000412873-8	3-phenylether-4,4'-diisocyanate	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
477	46720	000413072-2	2,6-di-tert-butyl-4-ethylphenol	yes	no	yes	4,8			(1)
478	60180	000419147-3	5-hydroxybenzoic acid, isopropyl ester	yes	no	no				
479	12970	000419695-6	azelaic anhydride	no	yes	no				
480	46790	000422138-5	3,5-di-tert-butyl-4-hydroxybenzoic acid, 2,4-di-tert-butylphenyl ester	yes	no	no				
481	13060	000442195-5	1,3,5-benzenetricarboxylic acid trichloride	no	yes	no	0,05		SML expressed as 1,3,5-benzenetricarboxylic acid	[F9(1)]
482	21100	000465-34-9	methacrylic acid,	no	yes	no		(23)		

			isopropyl ester							
483	68860	000472-48-5	octylphosphonic acid	yes	no	no	0,05			
484	13395	000476-20-7	2,2-bis(hydroxymethyl)propionic acid	no	yes	no	0,05			(1)
485	13560 15700	000512-43-0	4,4′-cyclohexylmethane diisocyanate	no				(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
486	54005	000513-44-7	ethylene-N-palmitamide-N′-stearamide	yes	no	no				
487	45640	000523-22-6	2-cyano-3,3-diphenylacrylic acid, ethyl ester	yes	no	no	0,05			
488	53440	000518-18-3	N,N′-ethylenebispalmitamide	yes	no	no				
489	41040	000557-05-1	zinc butyrate	yes	no	no				
490	16600	000587-54-1	diphenylmethane-2,4′-diisocyanate	no				(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
491	82720	000618-73-2	1,2-propyleneglycol distearate	yes	no	no				
492	45650	000619-72-0	2-cyano-3,3-diphenylacrylic acid, 2-	yes	no	no	0,05			

			ethylhexyl ester							
493	39200	000620[illegible]	bis(2-hydroxyethyl)-2-hydroxypropyl-3-(dodecyloxy)methylammonium chloride	yes	no	no	1,8			
494	62140	000630[illegible]	hypophosphorous acid	yes	no	no				
495	35160	000664263	1-5 amino-1,3-dimethyluracil	yes	no	no	5			
496	71680	000668[illegible]	pentaerythrityl tetrakis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)-propionate]	yes	no	no				
497	95020	000684625	2,2,4-trimethyl-1,3-pentanediol diisobutyrate	yes	no	no	5		Only to be used in single-use gloves	
498	16210	000686433	7-5 dimethyl-4,4′-diaminodicyclohexylmethane	no	yes	no	0,05		Only to be used in polyamides	(5)
499	19965 65020	000691[illegible]	malic acid	yes	yes	no			In case of use as a monomer only to be used as a co-monomer in aliphatic polyesters up to maximum level of 1 % on a	

									molar basis	
500	38560	000712826-4	2,5-bis(5-tert-butyl-2-benzoxazolyl)thiophene	yes	no	yes	0,6			
501	34480	—	aluminium fibers, flakes and powders	yes	no	no				
502	22778	000745648-0	4,4'-oxybis(benzenesulphonyl azide)	no	yes	no	0,05			[F9(1)]
503	46080	000758-39-9	β-dextrin	yes	no	no				
504	86240	000763-86-9	silicon dioxide	yes	no	no			For synthetic amorphous silicon dioxide: primary particles of 1 – 100 nm which are aggregated to a size of 0,1 – 1 µm which may form agglomerates within the size distribution of 0,3 µm to the mm size.	
505	86480	000763-90-5	sodium bisulphite	yes	no	no		(19)		

506	86920	0007632-00-0	sodium nitrite	yes	no	no	0,6			
507	59990	0007647-01-0	hydrochloric acid	yes	no	no				
508	86560	0007647-15-6	sodium bromide	yes	no	no				
509	23170 72640	0007664-38-2	phosphoric acid	yes	yes	no				
510	12789 35320	0007664-41-7	ammonia	yes	yes	no				
511	91920	0007664-93-9	sulphuric acid	yes	no	no				
512	81680	0007681-11-0	potassium iodide	yes	no	no		(6)		
513	86800	0007681-82-5	sodium iodide	yes	no	no		(6)		
514	91840	0007704-34-9	sulphur	yes	no	no				
515	26360 95855	0007732-18-5	water	yes	yes	no			In compliance with Directive 98/83/EC[b]	
516	86960	0007757-82-6	sodium sulphite	yes	no	no		(19)		
517	81520	0007758-02-3	potassium bromide	yes	no	no				
518	35845	0007771-44-0	lactidonic acid	yes	no	no				
519	87120	0007772-98-7	sodium thiosulphate	yes	no	no		(19)		
520	65120	0007773-01-5	manganese chloride	yes	no	no				
521	58320	0007782-42-5	graphite	yes	no	no				
522	14530	0007782-50-5	chlorine	no	yes	no				
523	45195	0007787-70-4	copper bromide	yes	no	no				
524	24520	0008001-22-7	soybean oil	no	yes	no				
525	62640	0008001-39-6	japan wax	yes	no	no				

526	43440	000800	1ecithin	yes	no	no				
527	14411 42880	000800	1castor oil	yes	yes	no				
528	63760	000800	2lecithin	yes	no	no				
529	67850	000800	2montan wax	yes	no	no				
530	41760	000800	6candelilla wax	yes	no	no				
531	36880	000801	2beeswax	yes	no	no				
532	88640	000801	3soybean oil, epoxidised	yes	no	no	60 30(*)	(32)	(*)	In the case of PVC gaskets used to seal glass jars containing infant formulae and follow-on formulae as defined by Directive 2006/141/EC or processed cereal-based foods and baby foods for infants and young children as defined

									Oxirane < 8 %, iodine number < 6.	by Directive 2006/125/EC, the SML is lowered to mg/30 kg.
533	42720	00080158-6-9	carnauba wax	yes	no	no				
534	80720	00080171-6-1	polyphosphoric acids	yes	no	no				
535	24100 24130 24190 83840	00080500-9-7	rosin	yes	yes	no				
536	84320	00080501-5-5	rosin, hydrogenated, ester with methanol	yes	no	no				
537	84080	00080502-3-8	rosin, ester with pentaerythritol	yes	no	no				
538	84000	00080503-1-5	rosin, ester with glycerol	yes	no	no				
539	24160	00080521-6-6	rosin tall oil	no	yes	no				
540	63940	00080621-5-5	lignosulphonic acid	yes	no	no	0,24		Only to be used as dispersant for plastics dispersions	

541	58480	0009000-01-5	gum arabic	yes	no	no				
542	42640	0009000-11-7	carboxymethylcellulose	yes	no	no				
543	45920	0009000-16-2	carrageenan	yes	no	no				
544	58400	0009000-30-0	guar gum	yes	no	no				
545	93680	0009000-65-5	tragacanth gum	yes	no	no				
546	71440	0009000-69-9	pectin	yes	no	no				
547	55440	0009000-70-8	gelatin	yes	no	no				
548	42800	0009000-71-9	casein	yes	no	no				
549	80000	0009002-88-4	polyethylene wax	yes	no	no				
550	81060	0009003-07-0	polypropylene wax	yes	no	no				
551	79920	0009003-11-6 0106392-12-5	poly(ethylene-propylene) glycol	yes	no	no				
552	81500	0009003-39-8	polyvinylpyrrolidone	yes	no	no			The substance shall meet the purity criteria as laid down in Commission Directive 2008/84/EC[c]	
553	14500 43280	0009004-34-6	cellulose	yes	yes	no				
554	43300	0009004-36-8	cellulose acetate butyrate	yes	no	no				
555	53280	0009004-57-3	ethylcellulose	yes	no	no				
556	54260	0009004-58-4	hydroxyethylcellulose	yes	no	no				
557	66640	0009004-59-5	methylethylcellulose	yes	no	no				
558	60560	0009004-62-0	hydroxyethylcellulose	yes	no	no				
559	61680	0009004-64-2	hydroxypropylcellulose	yes	no	no				

560	66700	000904	methylhydroxypropylcellulose	yes	no	no				
561	66240	000904	methylcellulose	yes	no	no				
562	22450	000904	microcellulose	no	yes	no				
563	78320	000904	polyethyleneglycol monoricinoleate	no	yes	no	42			
564	24540 88800	000905	sizes, edible	yes	yes	no				
565	61120	000905	hydroxyethyl starch	yes	no	no				
566	33350	000905	algin acid	yes	no	no				
567	82080	000905	propyleneglycol alginate	yes	no	no				
568	79040	000905	polyethyleneglycol sorbitan monolaurate	yes	no	no				
569	79120	000905	polyethyleneglycol sorbitan monooleate	yes	no	no				
570	79200	000905	polyethyleneglycol sorbitan monopalmitate	yes	no	no				
571	79280	000905	polyethyleneglycol sorbitan monostearate	yes	no	no				
572	79360	000905	polyethyleneglycol sorbitan trioleate	yes	no	no				
573	79440	000905	polyethyleneglycol sorbitan tristearate	yes	no	no				
574	24250 84560	000906	rubber, natural	yes	yes	no				
575	76721	006314	polydimethylsiloxane (Mw > 6 800 Da)	yes	no	no			Viscosity at 25 °C not less than 100 cSt (100 ×	

									10^{-6} m^2/s)	
576	60880	000903	2-hydroxyethylmethylcellulose	yes	no	no				
577	62280	000904	isobutylene-1-butene copolymer	yes	no	no				
578	79600	000904	polyethyleneglycol (EO ≤ 11) tridecyl ether phosphate	yes	no	no	5		For materials and articles intended for contact with aqueous foods only. Polyethyleneglycol (EO ≤ 11) tridecyl ether phosphate (mono- and dialkyl ester) with a maximum 10 % content of polyethyleneglycol (EO ≤ 11) tridecylether.	
579	61800	000904	hydroxypropyl starch	yes	no	no				
580	46070	001001	α-cyclodextrin	yes	no	no				
581	36800	001002	barium nitrate	yes	no	no				
582	50240	001003	di-n-octyltin bis(2-ethylhexyl maleate)	yes	no	no		(10)		

583	40400	0010043-11-5	boron nitride	yes	no	no		(16)		
584	13620 40320	0010043-35-3	boric acid	yes	yes	no		(16)		
585	41120	0010043-52-4	calcium chloride	yes	no	no				
586	65280	0010043-84-2	manganese hypophosphite	yes	no	no				
587	68400	0010094-45-8	octadecyl erucamide	yes	no	yes	5			
588	64320	0010377-51-2	lithium iodide	yes	no	no		(6)		
589	52645	0010436-08-5	cis-11-eicosenamide	yes	no	no				
590	21370	0010595-80-9	methacrylic acid, 2-sulphoethyl ester	no	yes	no	ND			(1)
591	36160	0010605-09-1	ascorbyl stearate	yes	no	no				
592	34690	0011097-59-9	aluminium magnesium carbonate hydroxide	yes	no	no				
593	44960	0011104-61-3	cobalt oxide	yes	no	no				
594	65360	0011129-60-5	manganese oxide	yes	no	no				
595	19510	0011132-73-3	lignocellulose	no	yes	no				
596	95935	0011138-66-2	xanthan gum	yes	no	no				
597	67120	0012001-26-2	mica	yes	no	no				
598	41600	0012004-14-7 0037293-22-4	calcium sulphoaluminate	yes	no	no				
599	36840	0012007-55-5	barium tetraborate	yes	no	no		(16)		
600	60030	0012072-90-1	hydromagnesite	yes	no	no				
601	35440	0012124-97-9	ammonium bromide	yes	no	no				
602	70240	0012198-93-5	ozokerite	yes	no	no				
603	83460	0012269-78-2	pyrophyllite	yes	no	no				

604	60080	0012304-65-3	hydrotalcite	yes	no	no				
605	11005	0012542-30-2	acrylic acid, dicyclopentenyl ester	no	yes	no	0,05			(1)
606	65200	0012626-88-9	manganese hydroxide	yes	no	no				
607	62245	0012751-22-3	iron phosphide	yes	no	no			Only to be used in PET polymers and copolymers	
608	40800	0013003-12-8	4,4′-butylidene-bis(6-tert-butyl-3-methylphenyl-ditridecyl phosphite)	yes	no	yes	6			
609	83455	0013445-56-2	pyrophosphorous acid	yes	no	no				
610	93440	0013463-67-7	titanium dioxide	yes	no	no				
611	35120	0013560-49-1	3-aminocrotonic acid, diester with thiobis (2-hydroxyethyl) ether	yes	no	no				
612	16694	0013811-50-2	N,N′-divinyl-2-imidazolidinone	no	yes	no	0,05			(10)
613	95905	0013983-17-0	wollastonite	yes	no	no				
614	45560	0014464-46-1	cristobalite	yes	no	no				
615	92080	0014807-96-6	talc	yes	no	no				
616	83470	0014808-60-7	quartz	yes	no	no				
617	10660	0015214-89-8	2-acrylamido-2-	no	yes	no	0,05			

			methylpropanesulphonic acid							
618	51040	00155357-79-2	octyltin mercaptoacetate	yes	no	no		(10)		
619	50320	00155716-58-1	octyltin bis(2-ethylhexyl mercaptoacetate)	yes	no	no		(10)		
620	50720	00155716-60-5	octyltin dimaleate	yes	no	no		(10)		
621	17110	00162119-75-3	ethylidenebicyclo[2,2,1]hept-2-ene	no	yes	no	0,05			(9)
622	69840	00162608-09-6	oleylpalmitamide	no	no	yes	5			
623	52640	00163898-88-1	dolomite	yes	no	no				
624	18897	00167126-64-4	hydroxy-2-naphthalenecarboxylic acid	no	yes	no	0,05			
625	36720	00171944-00-2	lanthanum hydroxide	yes	no	no				
626	57800	00186419-57-1	glycerol tribehenate	yes	no	no				
627	59760	00195698-21-2	hafnate	yes	no	no				
628	96190	00204275-58-1	zinc hydroxide	yes	no	no				
629	34560	00216450-51-2	aluminium hydroxide	yes	no	no				
630	82240	00227881-12-8	propyleneglycol dilaurate	yes	no	no				
631	59120	00231284-74-7	hexamethylene-bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamide)	yes	no	yes	45			
632	52880	00236764-09-7	ethoxybenzoic acid,	yes	no	no	3,6			

			ethyl ester							
633	53200	00239492-66-8	2-ethoxy-2′-ethyloxanilide	yes	no	yes	30			
634	25910	00248004-44-0	tripropyleneglycol	yes	no					
635	40720	00250131-16-5	3-tert-butyl-4-hydroxyanisole	yes	no	no	30			
636	31500	00251342-51-4	acrylic acid, acrylic acid, 2-ethylhexyl ester, copolymer	yes	no	no	0,05	(22)	SML expressed as acrylic acid, 2-ethylhexyl ester	
637	71635	00251519-96-6	pentaerythritol dioleate	yes	no	no	0,05		Not to be used for articles in contact with fatty foods for which [F2simulant D1 and/or D2] is laid down	
638	23590 76960	00253228-68-3	polyethyleneglycol	yes	yes	no				
639	23651 80800	00253229-69-4	polypropyleneglycol	yes	yes	no				
640	54930	00253597-01-5	formaldehyde-1-naphthol, copolymer	no	no	no	0,05			
[F2641	22331	00255136-64-8	mixture of (35-45 % w/w) 1,6-	no	yes	no	0,05]			

			diamino-2,2,4-trimethylhexane and (55-65 % w/ w)1,6-diamino-2,4,4-trimethylhexane							
642	64990	0025736-64-2	maleic anhydride-styrene, copolymer, sodium salt	yes	no	no			The fraction with molecular weight below 1 000 Da [F2shall] not exceed 0,05 % (w/w)	
643	87760	0026266-57-9	sorbitan monopalmitate	yes	no	no				
644	88080	0026266-58-0	sorbitan trioleate	yes	no	no				
645	67760	0026401-86-5	mono-n-octyltin tris(isooctyl mercaptoacetate)	yes	no	no		(11)		
646	50480	0026401-97-8	di-n-octyltin bis(isooctyl mercaptoacetate)	yes	no	no		(10)		
647	56720	0026402-22-3	glycerol monohexanoate	yes	no	no				
648	56880	0026402-26-7	glycerol monooctanoate	yes	no	no				
649	47210	0026427-05-6	dodecylthiostannoic acid polymer	no	no	no			Molecular unit = $(C_8H_{18}S_3Sn_2)n$ (n = 1,5-2)	
650	49600	0026636-01-1	dimethyltin bis(isooctyl mercaptoacetate)	yes	no	no		(9)		

651	88240	0026658-19-5	sorbitan tristearate	yes	no	no				
652	38820	0026741-53-7	bis(2,4-di-tert-butylphenyl) pentaerythritol diphosphite	yes	no	yes	0,6			
653	25270	0026747-90-0	2,4-toluene diisocyanate dimer	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
654	88600	0026836-47-5	sorbitol monostearate	yes	no	no				
655	25450	0026896-48-0	tricyclodecanedimethanol	no	yes	no	0,05			
656	24760	0026914-43-2	styrenesulphonic acid	no	yes	no	0,05			
657	67680	0027107-89-7	mono-n-octyltin tris(2-ethylhexyl mercaptoacetate)	yes	no	no		(11)		
658	52000	0027176-87-0	dodecylbenzenesulphonic acid	yes	no	no	30			
659	82800	0027194-74-7	1,2-propyleneglycol monolaurate	yes	no	no				
660	47540	0027458-90-8	di-tert-dodecyl disulphide	yes	no	yes	0,05			
661	95360	0027676-62-6	1,3,5-tris(3,5-di-tert-butyl-4-hydroxybenzyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	yes	no	yes	5			
662	25927	0027955-94-8	1,1,1-tris(4-hydroxyphenol)ethane	no	yes	no	0,005		Only to be used in polycarbonates	[F9(1)]

663	64150	00282901-79-1	alpha-linolenic acid	yes	no	no				
664	95000	00289311-67-1	trimethylolpropane trimethacrylate-methyl methacrylate copolymer	no	no	no				
665	83120	00290312-28-3	propyleneglycol monopalmitate	yes	no	no				
666	87280	00291608-81-1	sorbitan dioleate	yes	no	no				
667	55190	00292004-02-2	gadoleic acid	yes	no	no				
668	80240	00298935-69-7	polyglycerol ricinoleate	yes	no	no				
669	56610	00302336-26-8	glycerol monobehenate	yes	no	no				
670	56800	00308997-52-8	glycerol monolaurate diacetate	yes	no	no		(32)		
671	74240	00315078-84-4	phosphorous acid, tris(2,4-di-tert-butylphenyl)ester	yes	no	no				
672	76845	00318312-53-5	polyester of 1,4-butanediol with caprolactone	yes	no	no		(29) (30)	The fraction with molecular weight below 1 000 Da [F2shall] not exceed 0,5 % (w/w)	
673	53670	00325099-06-9	ethylene glycol bis[3,3-bis(3-tert-butyl-4-hydroxyphenyl)butyrate]	yes	no	yes	6			

674	46480	00326474-67-9	dibenzylidene sorbitol	yes	no	no				
675	38800	00326877-8-8	bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionyl)hydrazide	yes	no	yes	15			
676	50400	00335684-99-9	octyltin bis(isooctyl maleate)	yes	no	no		(10)		
677	82560	00335871-20-1	propyleneglycol dipalmitate	yes	no	no				
678	59200	00350741-76-2	hexamethylene-bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	yes	no	yes	6			
679	39060	00359581-30-6	bis(2-hydroxy-3,5-di-tert-butylphenyl)ethane	yes	no	yes	5			
680	94400	00364433-68-2	methylenebis[3-(3-tert-butyl-4-hydroxy-5-methylphenyl) propionate]	yes	no	no	9			
681	18310	00366531-82-4	hexadecanol	no	yes	no				
682	53270	00372059-89-5	ethylcarboxymethylcellulose	yes	no	no				
683	66200	00372061-01-2	methylcarboxymethylcellulose	yes	no	no				
684	68125	00372449-96-5	nepheline syenite	yes	no	no				
685	85950	00372963-97-2	silicic acid, magnesium-sodium-fluoride salt	yes	no	no	0,15		SML expressed as fluoride. Only to be used	

									in layers of multi-layer materials not coming into direct contact with food.	
686	61390	0037353-59-6	hydroxymethylcellulose	yes	no	no				
687	13530 13614	0038103-06-9	2,2-bis(4-hydroxyphenyl)propane bis(phthalic anhydride)	no	yes	no	0,05			
688	92560	0038613-77-3	tetrakis(2,4-di-tert-butylphenyl)-4,4′-biphenylylene diphosphonite	yes	no	yes	18			
689	95280	0040601-76-1	2,4,6-tris(4-tert-butyl-3-hydroxy-2,6-dimethylbenzyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	yes	no	yes	6			
690	92880	0041484-35-9	1,6-hexamethylene bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate)	yes	no	yes	2,4			
691	13600	0047465-97-4	3,3-bis(3-methyl-4-hydroxyphenyl)-2-indolinone	no	yes	no	1,8			
692	52320	0052047-25-3	3-(4-dodecylphenyl)indole	yes	no	yes	0,06			

693	88160	005414	sorbitan tripalmitate	yes	no	no				
694	21400	005427	methacrylic acid, sulphopropyl ester	yes	no	no	0,05			(1)
695	67520	005484	monomethyltin tris(isooctyl mercaptoacetate)	yes	no	no		(9)		
696	92205	005756	terephthalic acid, diester with 2,2′-methylenebis(4-methyl-6-tert-butylphenol)	yes	no	no				
697	67515	005758	monomethyltin tris(ethylhexyl mercaptoacetate)	yes	no	no		(9)		
698	49595	005758	dimethyltin bis(ethylhexyl mercaptoacetate)	yes	no	no		(9)		
699	90720	005844	stearoylbenzoylmethane	yes	no	no				
700	31520	006116	acrylic acid, 2-tert-butyl-6-(3-tert-butyl-2-hydroxy-5-methylbenzyl)-4-methylphenyl ester	yes	no	yes	6			
701	40160	006126	N,N′-bis(2,2,6,6-tetramethyl-4-piperidyl)hexamethylenediamine-1,2-dibromoethane, copolymer	yes	no	no	2,4			
702	87920	006175	sorbitan tetrastearate	yes	no	no				
703	17170	006178	fatty acids, coco	no	yes	no				

704	77600	0061788-85-0	polyethyleneglycol ester of hydrogenated castor oil	yes	no	no				
705	10599/90 10599/91	0061788-89-4	acids, fatty, unsaturated (C_{18}), dimers, non hydrogenated, distilled and non-distilled	no	yes	no		(18)		(1)
706	17230	0061790-12-3	fatty acids, tall oil	no	yes	no				
707	46375	0061790-53-2	diatomaceous earth	yes	no	no				
708	77520	0061791-12-6	polyethyleneglycol ester of castor oil	yes	no	no	42			
709	87520	0062568-11-0	sorbitan monobehenate	yes	no	no				
710	38700	0063397-60-2	bis(2-carbobutoxyethyl)tin-bis(isooctyl mercaptoacetate)	yes	no	yes	18			
711	42000	0063438-20-2	bis(2-carbobutoxyethyl)tin-tris(isooctyl mercaptoacetate)	yes	no	yes	30			
712	42960	0064147-40-6	castor oil, dehydrated	yes	no	no				
[F10713	43480	0064365-11-3 0007440-44-0]	charcoal, activated	yes	no	no			Only for use in PET at maximum 10 mg/kg of polymer.	

									Same purity requirements as for Vegetable Carbon (E 153) set out by Commission Regulation (EU) No 231/2012 [d] with exception of ash content which can be up to 10 % (w/w).	
714	84400	0064365-17-9	rosin, hydrogenated, ester with pentaerythritol	yes	no	no				
715	46880	0065140-91-2	3,5-di-tert-butyl-4-hydroxybenzylphosphonic acid, monoethyl ester, calcium salt	yes	no	no	6			
716	60800	0065447-77-0	1-(2-hydroxyethyl)-4-hydroxy-2,2,6,6-tetramethyl piperidine-succinic acid, dimethyl ester, copolymer	yes	no	no	30			
717	84210	0065997-06-0	rosin, hydrogenated	yes	no	no				

718	84240	0065997-13-9	rosin, hydrogenated, ester with glycerol	yes	no	no				
719	65920	0066822-56-4	methacryloyloxyethyl-N,N-dimethyl-N-carboxymethylammonium chloride, sodium salt - octadecyl methacrylate-ethyl methacrylate-cyclohexyl methacrylate-N-vinyl-2-pyrrolidone, copolymers	yes	no	no				
720	67360	0067649-66-4	mono-n-dodecyltin tris(isooctyl mercaptoacetate)	yes	no	no		(25)		
721	46800	0067845-93-6	3,5-di-tert-butyl-4-hydroxybenzoic acid, hexadecyl ester	yes	no	no				
722	17200	0068308-53-2	fatty acids, soya	no	yes	no				
723	88880	0068412-29-3	starch, hydrolysed	yes	no	no				
724	24903	0068425-17-2	syrups, hydrolysed starch, hydrogenated	no	yes	no			In compliance with the purity criteria for maltitol	

									syrup E 965(ii) as laid down in Commission Directive 2008/60/EC[e]	
F16										
726	83599	0068442-12-6	reaction products of oleic acid, 2-mercaptoethyl ester, with dichlorodimethyltin, sodium sulphide and trichloromethyltin	yes	no	yes		(9)		
727	43360	0068442-85-1	cellulose regenerated	yes	no	no				
728	75100	0068515-48-0 0028553-12-0	phthalic acid, diesters with primary, saturated C_8-C_{10} branched alcohols, more than 60 % C_9	yes	no	no		(26) (32)	Only to be used as: (a) (b)	(7) plasticiser in repeated use materials and articles; plasticiser in single-use materials and articles contacting non-fatty foods except

										for infant formulae and follow-on formulae as defined by Directive 2006/141/EC or processed cereal-based foods and baby foods for infants and young children as defined by Directive 2006/125/EC;
									(c)	technical support agent in concentrations up to 0,1 % in the final product.
729	75105	0068515-49-1 0026761-40-0	phthalic acid, diesters with primary, saturated C_9-C_{11} alcohols	yes	no	no		(26) (32)	Only to be used as: (a)	(7) plasticiser in repeated use

		more than 90 % C_{10}						(b)	materials and articles; plasticiser in single-use materials and articles contacting non-fatty foods except for infant formulae and follow-on formulae as defined by Directive 2006/141/EC or processed cereal-based foods and baby foods for infants and young children as defined by Directive 2006/125/EC;
								(c)	technical support agent in concentrations up

										to 0,1 % in the final product.
730	66930	0068554-70-1	methylsilsesquioxane	yes	no	no			Residual monomer in methylsilsesquioxane: < 1 mg methyltrimethoxysilane/kg of methylsilsesquioxane	
731	18220	0068564-88-5	N-heptylaminoundecanoic acid	no	yes	no	0,05			(2)
732	45450	0068610-51-5	*p*-cresol-dicyclopentadiene-isobutylene, copolymer	yes	no	yes	5			
733	10599/92 10599/93	0068783-41-5	Amides, fatty, unsaturated (C_{18}), dimers, hydrogenated, distilled and non-distilled	no	yes	no		(18)		(1)
734	46380	0068855-54-9	Diatomaceous earth, soda ash flux-calcined	yes	no	no				
735	40120	0068951-50-8	bis(polyethyleneglycol)hydroxymethylphosphonate	yes	no	no	0,6			
736	50960	0069226-44-4	octyltin ethyleneglycol bis(mercaptoacetate)	yes	no	no		(10)		
737	77370	0070142-34-6	polyethyleneglycol-30 dipolyhydroxystearate	yes	no	no				
738	60320	0070321-86-7	2[2-hydroxy-3,5-	yes	no	yes	1,5			

			bis(1,1-dimethylbenzyl)phenyl]benzotriazole							
739	70000	00703312-21-1	2,2'-oxamidobis[ethyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)-propionate]	yes	no	no				
740	81200	00718788-99-8	poly[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-diyl]-[(2,2,6,6-tetramethyl-4-piperidyl)-imino]hexamethylene[(2,2,6,6-tetramethyl-4-piperidyl) imino]	yes	no	yes	3			
741	24070 83610	00731388-82-6	resin acids and rosin acids	yes	yes	no				
742	92700	00783012-42-6	2,2,4,4-tetramethyl-20-(2,3-epoxypropyl)-7-oxa-3,20-diazadispiro-[5.1.11.2]-heneicosan-21-one, polymer	yes	no	yes	5			
743	38950	00790721-09-4	bis(4-ethylbenzylidene)sorbitol	yes	no	no				
[F15744	18888	080181-31-3	3-hydroxybutanoic acid-3-hydroxypentanoic acid, copolymer	no	yes	no		(35)	The substance is used as product obtained by bacterial fermentation. In compliance with	

									the specifications mentioned in the Table 4 of Annex I.]	
745	68145	0080410-33-9	2,2′,2″-nitrilo(triethyl tris(3,3′,5,5′-tetra-tert-butyl-1,1′-bi-phenyl-2,2′-diyl)phosphite)	yes	no	yes	5		SML expressed as sum of phosphite and phosphate	
746	38810	0080693-00-1	bis(2,6-di-tert-butyl-4-methylphenyl)pentaerythritol diphosphite	yes	no	yes	5		SML expressed as sum of phosphite and phosphate	
747	47600	0084030-61-5	di-n-dodecyltin bis(isooctyl mercaptoacetate)	yes	no	yes		(25)		
748	12765	0084434-12-8	N-(2-aminoethyl)-β-alanine, sodium salt	no	yes	no	0,05			
749	66360	0085209-91-2	2,2′-methylene bis(4,6-di-tert-butylphenyl) sodium phosphate	yes	no	yes	5			
750	66350	0085209-93-4	2,2′-methylenebis(4,6-di-tert-butylphenyl) lithium phosphate	yes	no	no	5			
751	81515	0087189-25-1	poly(zinc glycerolate)	yes	no	no				

[F2752	39890	0087826-41-3 0069158-41-4 0054686-97-4 0081541-12-0	bis(3-methylbenzylidene)sorbitol	yes	no	no]				
753	62800	0092704-41-1	kaolin, calcined	yes	no	no				
754	56020	0099880-64-5	glycerol dibehenate	yes	no	no				
755	21765	0106246-33-7	4,4′-methylenebis(3-chloro-2,6-diethylaniline)	no	yes	no	0,05			(1)
756	40020	0110553-27-0	2,4-bis(octylthiomethyl)-6-methylphenol	yes	no	yes		(24)		
757	95725	0110638-71-6	vermiculite, reaction product with citric acid, lithium salt	yes	no	no				
758	38940	0110675-26-8	2,4-bis(dodecylthiomethyl)-6-methylphenol	yes	no	yes		(24)		
759	54300	0118337-09-0	2,2′-ethylidenebis(4,6-di-tert-butylphenyl) fluorophosphonite	yes	no	yes	6			
760	83595	0119345-01-6	reaction product of di-tert-butylphosphonite with biphenyl, obtained by condensation of 2,4-di-tert-butylphenol with Friedel Craft	yes	no	no	18		Composition: — 4,4′-biphenylene-bis[0,0-bis(2,4-di-tert-butylphenyl)phosphonite] (CAS No 0038613-77-3) (36-46 % w/w (*)),	

		reaction product of phosphorous trichloride and biphenyl						—	4,3′-biphenylene-bis[0,0-bis(2,4-di-tert-butylphenyl)phosphonite] (CAS No 0118421-00-4) (17-23 % w/w (*)),
								—	3,3′-biphenylene-bis[0,0-bis(2,4-di-tert-butylphenyl)phosphonite] (CAS No 0118421-01-5) (1-5 % w/w (*)),
								—	4-biphenylene-0,0-bis(2,4-di-tert-butylphenyl)phosphonite (CAS No 0091362-37-7) (11-19 % w/w (*)),
								—	tris(2,4-di-tert-butylphenyl)phosphite (CAS No 0031570-04-4) (9-18 % w/w (*)),

***Changes to legislation:** There are currently no known outstanding effects for the Commission Regulation (EU) No 10/2011, ANNEX I. (See end of Document for details)*

									—	4,4′-biphenylene-0,0-bis(2,4-di-tert-butylphenyl)phosphonate-0,0-bis(2,4-di-tert-butylphenyl)phosphonite (CAS No 0112949-97-0) (< 5 % w/w (*))
									(*)	Quantity of substance used/ quantity of formulation
									Other specifications:	
									—	Phosphor content of min. 5,4 % to max. 5,9 %,
									—	Acid value of max. 10 mg KOH per gram,
									—	Melt range of 85–110 °C,
761	92930	0120218-34-0	thiodiethanolbis(5-methoxycarbonyl-2,6-dimethyl-1,4-	yes	no	no	6			

			dihydropyridine-3-carboxylate)							
762	31530	0123968-25-1	2-Propenoic acid, 2,4-di-tert-pentyl-6-(1-(3,5-di-tert-pentyl-2-hydroxyphenyl)ethyl)phenyl ester	yes	no	yes	5			
763	39925	0129228-23-3	2,2-bis(methoxymethyl)-2,5-dimethylhexane	yes	no	yes	0,05			
764	13317	0132459-54-2	N,N'-bis[4-(ethoxycarbonyl)phenyl]-1,4,5,8-naphthalenetetracarboxydiimide	no	yes	no	0,05		Purity > 98,1 % (w/w). Only to be used as co-monomer (max 4 %) for polyesters (PET, PBT).	
765	49485	0134701-22-5	2,4-dimethyl-6-(1-methylpentadecyl)phenol	yes	no	yes	1			
766	38879	0135861-56-2	1,3:2,4-bis(3,4-dimethylbenzylidene)sorbitol	yes	no	no				
767	38510	0136504-96-6	1,6-bis(3-aminopropyl)ethylenediamine, polymer with N-butyl-2,2,6,6-tetramethyl-4-piperidinamine and 2,4,6-	yes	no	no	5			

			trichloro-1,3,5-triazine							
768	34850	0143925-92-2	amines, bis(hydrogenated tallow alkyl) oxidised	yes	no	no			Not to be used for articles in contact with fatty foods for which [F2simulant D1 and/ or D2] is laid down. Only to be used in: (a) (b)	(1) polyolefins at 0,1 % (w/ w) concentration and in PET at 0,25 % (w/ w) concentration.
769	74010	0145650-60-8	phosphorous acid, bis(2,4-di-tert-butyl-6-methylphenyl) ethyl ester	yes	no	yes	5		SML expressed as sum of phosphite and phosphate	
770	51700	0147315-50-2	2-(4,6-diphenyl-1,3,5-triazin-2-yl)-5-(hexyloxy)phenol	yes	no	no	0,05			

771	34650	0151841-65-5	aluminium hydroxybis [2,2′-methylenebis (4,6-di-tert-butylphenyl) phosphate]	yes	no	no	5			
772	47500	0153250-52-3	N,N′-dicyclohexyl-2,6-naphthalene dicarboxamide	yes	no	no	5			
773	38840	0154862-43-8	bis(2,4-dicumylphenyl)pentaerythritol-diphosphite	yes	no	yes	5		SML expressed as sum of the substance itself, its oxidised form bis(2,4-dicumylphenyl)pentaerythritol-phosphate and its hydrolysis product (2,4-dicumylphenol)	
774	95270	0161717-32-4	2,4,6-tris(tert-butyl)phenyl-2-butyl-2-ethyl-1,3-propanediol phosphite	yes	no	yes	2		SML expressed as sum of phosphite, phosphate and the hydrolysis product = TTBP	
775	45705	0166412-78-8	1,2-cyclohexanedicarboxylic acid, diisononyl ester	yes	no	no		(32)		
776	76723	0167883-16-1	polydimethylsiloxane, 3-aminopropyl terminated,	yes	no	no			The fraction with molecular	

			polymer with dicyclohexylmethane-4,4′-diisocyanate						weight below 1 000 Da [F2shall] not exceed 1,5 % (w/w)	
777	31542	0174254-23-0	acrylic acid, methyl ester, telomer with 1-dodecanethiol, C_{16}-C_{18} alkyl esters	yes	no	no			0,5 % in final product	(1)
778	71670	0178671-58-4	pentaerythritol tetrakis (2-cyano-3,3-diphenylacrylate)	yes	no	yes	0,05			
[F2779	39815	0182121-12-6	9,9-bis(methoxymethyl)fluorene	yes	no	yes	0,05			[F9(2)]]
780	81220	0192268-64-7	poly-[[6-[N-(2,2,6,6-tetramethyl-4-piperidinyl)-n-butylamino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,6-hexanediyl[(2,2,6,6-tetramethyl-4-piperidinyl)imino]]-α-[N,N,N′,N′-tetrabutyl-N"-(2,2,6,6-	yes	no	no	5			

			tetramethyl-4-piperidinyl)-N"-[6-(2,2,6,6-tetramethyl-4-piperidinylamino)-hexyl]-[1,3,5-triazine-2,4,6-triamine]-ω-N,N,N′,N′-tetrabutyl-1,3,5-triazine-2,4-diamine]							
781	95265	022709916-8-7	1,3,5-tris(4-benzoylphenyl) benzene	yes	no	no	0,05			
782	76725	066147641-4	poly dimethylsiloxane, 3-aminopropyl terminated, polymer with 1-isocyanato-3-isocyanatomethyl-3,5,5-trimethylcyclohexane	yes	no	no			The fraction with molecular weight below 1 000 Da [F2shall] not exceed 1 % (w/w)	
783	55910	073615063-3	glycerides, castor-oil mono-, hydrogenated, acetates	yes	no	no		(32)		
[F10784	95420	074507016-5	1,3,5-tris (2,2-di-methylpropanamido) benzene	yes	no	no	5]			
785	24910	000010029-0	terephthalic acid	yes	no	no		(28)		

786	14627	00001173-21-5	3-chlorophthalic anhydride	no	yes	no	0,05		SML expressed as 3-chlorophthalic acid	
787	14628	00001184-45-6	4-chlorophthalic anhydride	no	yes	no	0,05		SML expressed as 4-chlorophthalic acid	
788	21498	00025301-85-0	[3-(methacryloxy)propyl]trimethoxysilane	no	yes	no	0,05		Only to be used as a surface treatment agent of inorganic fillers	(1) (11)
789	60027	—	hydrogenated homopolymers and/or copolymers made of 1-hexene and/or 1-octene and/or 1-decene and/or 1-dodecene and/or 1-tetradecene (Mw: 440–12 000)	no	no	no			Average molecular weight not less than 440 Da. Viscosity at 100 °C not less than 3,8 cSt ($3,8 \times 10^{-6}$ m^2/s).	(2)
790	80480	00907510-07-8 00824511-48-7	poly[6-morpholino-1,3,5-triazine-2,4-diyl)-[(2,2,6,6-tetramethyl-4-piperidyl)imino)]	yes	no	no	5		Average molecular weight not less than	(16)

			hexa-methylene-[(2,2,6,6-tetramethyl-4-piperidyl)imino)]							2 400 Da. Residual content of morpholine ≤ 30 mg/kg, of N,N′-bis(2,2,6,6-tetramethylpiperidin-4-yl)hexane-1,6-diamine < 15 000 mg/kg, and of 2,4-dichloro-6-morpholino-1,3,5-triazine ≤ 20 mg/kg.
791	92470	01069904-13-6	N,N′,N″,N‴-tetrakis(4,6-bis(N-butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine	yes	no	no	0,05			
792	92475	02032553-83-5	3,3′,5,5′-tetrakis(tert-butyl)-2,2′-dihydroxybiphenyl, cyclic ester with [3-(3-tert-butyl-4-hydroxy-5-methylphenyl)propyl]oxyphosphonous acid	yes	no	yes	5			SML expressed as the sum of phosphite and phosphate form of the substance and the

									hydrolysis products
793	94000	0000102-71-6	triethanolamine		no	no	0,05		SML expressed as the sum of triethanolamine and the hydrochloride adduct expressed as triethanolamine
[F13 794	18117	0000079-14-1	glycolic acid	no	yes	no			Only to be used for manufacture of polyglycolic acid (PGA) for (i) indirect food contact behind polyesters such as polyethylene terephthalate (PET) or polylactic acid (PLA); and (ii) direct food contact of a blend of PGA up to 3 % w/w in PET

									or PLA.]	
795	40155	012417253-8	N,N′-bis(2,2,6,6-tetramethyl-4-piperidyl)-N,N′-diformylhexamethylenediamine	yes	no	no	0,05			(2) (12)
796	72141	001860252-4	2,2′-(1,4-phenylene)bis[4H-3,1-benzoxazin-4-one]	yes	no	yes	0,05		SML including the sum of its hydrolysis products	
[F13 797	76807	007301826-5	polyesters of adipic acid with 1,3-butanediol, 1,2-propanediol and 2-ethyl-1-hexanol	yes	no	yes		(31) (32)]		
798	92200	000642-86-1	terephthalic acid, bis(2-ethylhexyl)ester	yes	no	no	60	(32)		
[F10 799	77708		polyethyleneglycol (EO = 1-50) ethers of linear and branched primary (C_{8} - C_{22}) alcohols	yes	no	no	1,8		In compliance with the maximum ethylene oxide content as laid down in the purity criteria for food additives in Commission Regulation	

									(EU) No 231/2012.]	
800	94425	000086[illegible]	triethyl phosphonoacetate	yes	no	no			Only for use in PET	
801	30607	—	acids, C_2-C_{24}, aliphatic, linear, monocarboxylic, from natural oils and fats, lithium salt	yes	no	no				
802	33105	0146340	alcohols, C_{12}-C_{14} secondary, β-(2-hydroxyethoxy), ethoxylated	yes	no	no	5			(12)
803	33535	0152261	1-eicosene, homopolymer, reaction product with 4-amino-2,2,6,6-tetramethylpiperidine	yes	no	no			Not to be used for articles in contact with fatty foods for which [F2simulant D1 and/or D2] is laid down. Not to be used in contact	(13)

									with alcoholic foods.
804	80510	101012	poly(3-nonyl-1,1-dioxo-1-thiopropane-1,3-diyl)-block-poly(x-oleyl-7-hydroxy-1,5-diiminooctane-1,8-diyl), process mixture with x = 1 and/or 5, neutralised with dodecylbenzenesulfonic acid	89-73-yes	no	no			Only to be used as polymer production aid in polyethylene (PE), polypropylene (PP) and polystyrene (PS)
805	93450	—	titanium dioxide, coated with a copolymer of n-octyltrichlorosilane and [aminotris(methylenephosphonic acid), penta sodium salt]	yes	no	no			The content of the surface treatment copolymer of the coated titanium dioxide is less than 1 % w/w
806	14876	000107	1,4-cyclohexanedicarboxylic acid	6-97-7	no	yes	no	5	Only to be used for manufacture of polyesters
[F11 807	93485	—	titanium nitride, nanoparticles	yes	no	no			No migration of titanium nitride nanoparticles.

									Only to be used in polyethylene terephthalate (PET) up to 20 mg/kg. In the PET, the agglomerates have a diameter of 100-500 nm consisting of primary titanium nitride nanoparticles; primary particles have a diameter of approximately 20 nm.]	
808	38550	088207-43-4	bis(4-propylbenzylidene)propylsorbitol	yes	no	no	5		SML including the sum of its hydrolysis products	
809	49080	852282-89-4	(2,6-diisopropylphenyl)-6-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-1H-benzo[de]isoquinolin-1,3(2H)-dione	yes	no	yes	0,05		Only for use in PET	(6) (14) (15)
810	68119		neopentyl glycol, diesters and	yes	no	no	5	(32)	Not to be used for	

			monoesters with benzoic acid and 2-ethylhexanoic acid						articles in contact with fatty foods for which [F2simulant D1 and/ or D2] is laid down.
811	80077	0068441	oxidised polyethylene waxes, oxidised	yes	no	no	60		
[F13812	80350	0124578	poly(12-hydroxystearic acid)-polyethyleneimine copolymer	yes	no	no			Only to be used in plastics up to 0,1 % w/w. Prepared by the reaction of poly(12-hydroxystearic acid) with polyethyleneimine.]
813	91530	—	sulphosuccinic acid alkyl (C_4-C_{20}) or cyclohexyl diesters, salts	yes	no	no	5		
814	91815	—	sulphosuccinic acid monoalkyl (C_{10}-C_{16}) polyethyleneglycol	yes	no	no	2		

			esters, salts							
815	94985	—	trimethylolpropane, mixed triesters and diesters with benzoic acid and 2-ethylhexanoic acid	no	no	no	5	(32)	Not to be used for articles in contact with fatty foods for which [F2simulant D1 and/ or D2] is laid down	
816	45704	—	cis-1,2-cyclohexanedicarboxylic acid, salts	yes	no	no	5			
817	38507	—	cis-endo-bicyclo[2.2.1]heptane-2,3-dicarboxylic acid, salts	yes	no	no	5		Not to be used with polyethylene in contact with acidic foods. Purity ≥ 96 %.	
818	21530	—	methallylsulphonic acid, salts	no	yes	no	5			
819	68110	—	neodecanoic acid, salts	yes	no	no	0,05		Not to be used in polymers contacting fatty foods. Not to be	

									used for articles in contact with fatty foods for which [F2simulant D1 and/or D2] is laid down. SML expressed as neodecanoic acid.	
820	76420	—	pimelic acid, salts	yes	no	no				
821	90810	—	stearoyl-2-lactylic acid, salts	yes	no	no				
[F17822	71938		Perchloric acid, salts	yes	no	no	0,002			(4)]
823	24889	—	5-Sulphoisophthalic acid, salts	no	yes	no	5			
854	71943	0329238-24-6	perfluoro acetic acid, α-substituted with the copolymer of perfluoro-1,2-propylene glycol and perfluoro-1,1-ethylene	yes	no	no			Only to be used in concentrations up to 0,5 % w/w in the polymerisation of fluoropolymers that are processed	

			glycol, terminated with chlorohexafluoropropyloxy groups						at temperatures at or above 340 °C and are intended for use in repeated use articles	
[F18855	40560		(butadiene, styrene, methyl methacrylate) copolymer cross-linked with 1,3-butanediol dimethacrylate	no	no				Only to be used in rigid poly(vinyl chloride) (PVC) at a maximum level of 12 % at room temperature or below.	
[F19856	40563	25101-28-4	(butadiene, styrene, methyl methacrylate, butyl acrylate) copolymer cross-linked with divinylbenzene or 1,3-butanediol dimethacrylate	no	no				Only to be used in: —	rigid poly(vinyl chloride) (PVC) at a maximum level of 12 % at room temperature or below; or

									—	at up to 40 % w/w in blends of styrene acrylonitrile copolymer (SAN)/ poly(methyl methacrylate) (PMMA) repeat-use articles at room temperature or below, and when either in contact only with aqueous, acidic and/or low alcoholic (< 20 %) foodstuffs for less than 1 day, or when in contact only with dry foodstuffs for any duration of

										time.]
857	66765	003795[illegible]	(2-ethylhexyl methacrylate, butyl acrylate, styrene, glycidyl methacrylate) copolymer	yes	no	no			Only to be used in rigid poly(vinyl chloride) (PVC) at a maximum level of 2 % at room temperature or below.]	
[F7[X1858	38565	009049839-0	3,9-bis[2-(3-(3-tert-butyl-4-hydroxy-5-methylphenyl)propionyloxy)-1,1-dimethylethyl]-2,4,8,10-tetraoxaspiro[5,5]undecane	yes	no	yes	0,05		SML expressed as the sum of the substance and its oxidation product 3-[(3-(3-tert-butyl-4-hydroxy-5-methylphenyl)prop-2-enoyloxy)-1,1-dimethylethyl]-9-[(3-(3-tert-butyl-4-hydroxy-5-methylphenyl)propionyloxy)-1,1-dimethylethyl]-2,4,8,10-tetraoxaspiro[5,5]-undecane in equilibrium with its para quinone	(2)]]

									methid tautomer.
[F4859			(butadiene, ethyl acrylate, methyl methacrylate, styrene) copolymer crosslinked with divinylbenzene, in nanoform	no	no				Only to be used as particles in non-plasticised PVC up to 10 % w/w in contact with all food types at room temperature or below including long-term storage. When used together with the substance with FCM No 998 and/ or the substance with FCM No 1043, the restriction of 10 % w/w applies to the

										sum of those substances. The diameter of particles shall be > 20 nm, and for at least 95 % by number it shall be > 40 nm.]
860	71980	0051798-33-5	perfluoro[2-(poly(n-propoxy))propanoic acid]		no	no				Only to be used in the polymerisation of fluoropolymers that are processed at temperatures at or above 265 °C and are intended for use in repeated use articles
861	71990	0013252-13-6	perfluoro[2-(n-propoxy)propanoic acid]		no	no				Only to be used in the polymerisation of fluoropolymers that are

									processed at temperatures at or above 265 °C and are intended for use in repeated use articles	
[F13 862	15180	00180853-04	3,4-diacetoxy-1-butene	no	yes	no	0,05		SML including the hydrolysis product 3,4-dihydroxy-1-butene Only to be used as a co-monomer for ethylvinylalcohol (EVOH) and polyvinylalcohol (PVOH) copolymers.	(17) (19)]
[F18 863	15260	00006461-29-3	1,10-decanediamine	no	yes	no	0,05		Only to be used as a co-monomer for manufacturing polyamide articles for repeated use in contact with aqueous, acidic	

									and dairy foodstuffs at room temperature or for short term contact up to 150 °C.]	
864	46330	00000562-94-6	2,4-diamino-6-hydroxypyrimidine	yes	no	no	5		Only to be used in rigid poly(vinyl chloride) (PVC) in contact with non-acidic and non-alcoholic aqueous food	
[F11 865	40619	00253220-90-0	(butyl acrylate, methyl methacrylate, butyl methacrylate) copolymer	yes	no	no			Only to be used in: (a) (b)	rigid poly(vinyl chloride) (PVC) at a maximum level of 1 % w/ w; polylactic acid (PLA) at a

										maximum level of 5 % w/w.]
866	40620	—	(butyl acrylate, methyl methacrylate) copolymer, cross-linked with allyl methacrylate	yes	no	no			Only to be used in rigid poly(vinyl chloride) (PVC) at a maximum level of 7 %	
867	40815	0040471-03-2	(butyl methacrylate, ethyl acrylate, methyl methacrylate) copolymer	yes	no	no			Only to be used in rigid poly(vinyl chloride) (PVC) at a maximum level of 2 %	
[F11 868	53245	0009010-88-2	(ethyl acrylate, methyl methacrylate) copolymer	yes	no	no			Only to be used in: (a) (b)	rigid poly(vinyl chloride) (PVC) at a maximum level of 2 % w/w; polylactic acid (PLA) at

									(c)	a maximum level of 5 % w/ w; polyethylene terephthalate (PET) at a maximum level of 5 % w/ w.]
869	66763	0027136[15-8	(butyl acrylate, methyl methacrylate, styrene) copolymer	yes	no	no			Only to be used in rigid poly(vinyl chloride) (PVC) at a maximum level of 3 %	
870	95500	0160535[4-6	N,N′,N″-tris(2-methylcyclohexyl)-1,2,3-propane-tricarboxamide	yes	no	no	5			
[F20871		0287916[86-3	dodecanoic acid, 12-amino-, polymer with ethene, 2,5-furandione, α-hydro-ω-hydroxypoly (oxy-1,2-	yes	no	no			Only to be used in polyolefins at levels of up to 20 weight %. These polyolefins shall	(23)]

			ethanediyl) and 1-propene						only be used in contact with foods for which Table 2 of Annex III assigns food simulant E, at ambient temperature or below, and when migration of the total oligomeric fraction of less than 1 000 Da does not exceed 50 µg/kg food.	
[F21872		00066072-41-6	6-phenyl-3,3-bis(4-hydroxyphenyl)phthalimidine	no	yes	no	0,05		To be used only as a co-monomer in polycarbonate copolymers	(20)]
[F18873	93460		titanium dioxide reacted with octyltriethoxysilane	yes	no	no			Reaction product of titanium dioxide	

									with up to 2 % w/w surface treatment substance octyltriethoxysilane, processed at high temperatures.]
[F7 874	16265	0156065-00-8	dimethyl-3-(4'-hydroxy-3'-methoxyphenyl) ω-3-dimethyl-3-(4'-hydroxy-3'-methoxyphenyl) polydimethylsiloxane	no	yes propylsilyloxy, propylsilyl	no	0,05	(33)	Only to be used as comonomer in siloxane modified polycarbonate. The oligomeric mixture shall be characterised by the formula $C_{24}H_{38}Si_2O_5(SiOC_2H_6)_n$ (50 > n ≥ 26).]
875	80345	0058128-22-6	poly(12-hydroxystearic acid) stearate	yes	no	yes	5		
878	31335	—	acids, fatty (C_8-C_{22}) from animal or vegetable fats	yes	no	no			

			and oils, esters with branched alcohols, aliphatic, monohydric, saturated, primary (C_3-C_{22})							
879	31336	—	acids, fatty (C_8-C_{22}) from animal or vegetable fats and oils, esters with alcohols, linear, aliphatic, monohydric, saturated, primary (C_1-C_{22})	yes	no	no				
[F10 880	31348		acids, fatty (C_8-C_{22}), esters with pentaerythritol'	yes	no	no				
881	25187	00030102-26-4	2,2,4,4-tetramethylcyclobutane-1,3-diol	no	yes	no	5		Only for: (a)	repeated use articles for long term storage at room

									(b)	temperature or below and hotfill; single use materials and articles as a co-monomer at a maximum use level of 35 mole % of the diol component of polyesters, and if such materials and articles are for long term storage at room temperature or below of food types which have an alcohol content

										of up to 10 % and for which Table 2 of Annex III does not assign simulant D2. Hot fill conditions are allowed for such single use materials and articles.]
882	25872	00024162-93-6	2,3,6-trimethylphenol	no	yes	no	0,05			
883	22074	00044577-1-0	3-methyl-1,5-pentanediol	no	yes	no	0,05		Only to be used in materials in contact with food at a surface to mass ratio up to 0,5 dm^2/kg	

884	34240	0091082-17-6	alkyl(C_{10}-C_{21})sulphonic acid, esters with phenol	yes	no	no	0,05		Not to be used for articles in contact with fatty foods for which [F2simulant D1 and/or D2] is laid down.	
885	45676	0263244-54-8	cyclic oligomers of (butylene terephthalate)	yes	no	no			Only to be used in poly(ethylene terephthalate) (PET), poly(butylene terephthalate) (PBT), polycarbonate (PC), polystyrene (PS) and rigid poly(vinyl chloride) (PVC) plastics in concentrations up to 1 % w/w, in contact with aqueous, acidic and alcoholic foods, for long	

									term storage at room temperature.
[F18894	93360	00165455-54-3	tetradecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionic acid, ditetradecyl ester	yes	no	no		(14)	
895	47060	01710903-05-5	3-(3,5-di-tert-butyl-4-hydroxyphenyl)propanoic acid, esters with C13-C15 branched and linear alcohols	yes	no	no	0,05		Only to be used in polyolefins in contact with foods other than fatty/ high-alcoholic and dairy products.
896	71958	09584534-11-8	perfluoro-3-[(3-methoxy-propoxy)propanoic acid], ammonium salt	yes	no	no			Only to be used in the polymerisation of fluoropolymers when: — processed at temperatures higher than 280 °C for at least 10 minutes, — processed at temperatures higher than 190 °C

										up to 30 % w/w for use in blends with polyoxymethylene polymers and intended for repeated use articles.
[F7902		000128-44-9	1,2-benzisothiazol-3(2H)-one 1,1-dioxide, sodium salt	yes	no	no			The substance shall comply with the specific purity criteria as set out in Commission Regulation (EU) No 231/2012 [h].]	
[F4903		37486-69-4	2-H-perfluoro-[(5,8,11,14-tetramethyl)-tetraethyleneglycol ethyl propyl ether]	yes	no	no			Only to be used as a polymer production aid in the polymerisation of fluoropolymers intended for: (a)	repeated and single use

										materials and articles when sintered or processed (non-sintered) at temperatures at or above 360 °C for at least 10 minutes or at higher temperatures for equivalent shorter times;
									(b)	repeated use materials and articles when processed (non-sintered) at temperatures from 300 °C and up to 360 °C for at least 10 minutes.]

923	39150	000012054-1	N,N-bis(2-hydroxyethyl)dodecanamide	yes	no	no	5		The residual amount of diethanolamine in plastics, as an impurity and decomposition product of the substance, [F2shall] not result in a migration of diethanolamine higher than 0,3 mg/kg food.	(18)
924	94987		trimethylolpropane, mixed triesters and diesters with n-octanoic and n-decanoic acids	yes	no	no	0,05		Only for use in PET in contact with all types of foods other than fatty, high-alcoholic and dairy products.	
926	71955	090802052-0	perfluoro[(2-ethyloxy-ethoxy)acetic acid], ammonium salt	yes	no	no			Only to be used in the polymerisation of fluoropolymers	

									that are processed at temperatures higher than 300 °C for at least 10 minutes.	
[F4969		24937-78-8	Styrene-vinyl acetate copolymer wax	yes	no	no			Only to be used as a polymeric additive up to 2 % w/w in polyolefins. The migration of low molecular weight oligomeric fraction below 1 000 Da shall not exceed 5 mg/kg food.]	
971	25885	000245-09-4	1,2,4-trimethyl trimellitate	yes	no				Only to be used as a co-monomer up to 0,35 % w/w to produce modified polyesters intended to be	(17)

									used in contact with aqueous and dry foodstuffs containing no free fat at the surface.
972	45197	0012158-74-6	copper hydroxide phosphate	yes	no	no			
973	22931	0019430-93-4	(perfluorobutyl)ethylene	no	yes	no			Only to be used as a co-monomer up to 0,1 % w/w in the polymerisation of fluoropolymers, sintered at high temperatures.
[F17974	74050	939402-02-5	phosphorous acid, mixed 2,4-bis(1,1-dimethylpropyl)phenyl and 4-(1,1-dimethylpropyl)phenyl triesters	yes	no	yes	10		SML expressed as the sum of the phosphite and phosphate forms of the substance, 4-tert-amylphenol and 2,4-di-tert-amylphenol. The migration

									of 2,4-di-tert-amylphenol shall not exceed 1 mg/kg food.]	
[F7 979	79987	—	(polyethylene terephthalate, hydroxylated polybutadiene, pyromellitic anhydride) copolymer	yes	no	no			Only to be used in polyethylene terephthalate (PET) at a maximum level of 5 % w/w.]	
[F21 988		3634-83-1	1,3-bis(isocyanatomethyl)benzene	no	yes	no		(34)	SML(T) applies to the migration of its hydrolysis product, 1,3-benzenedimethanamine To be used only as co-monomer in the manufacture of a middle layer coating on a poly(ethylene terephthalate) polymer film in a multilayer film]	

[F4998			(butadiene, ethyl acrylate, methyl methacrylate, styrene) copolymer not cross-linked, in nanoform	yes	no	no			Only to be used as particles in non-plasticised PVC up to 10 % w/w in contact with all food types at room temperature or below including long-term storage. When used together with the substance with FCM No 859 and/ or the substance with FCM No 1043, the restriction of 10 % w/w applies to the sum of those substances.

									The diameter of particles shall be > 20 nm, and for at least 95 % by number it shall be > 40 nm.	
[F22 1007		976-56-7	diethyl[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]phosphonate		yes	no			Only to be used up to 0,2 % w/w based on the final polymer weight in the polymerisation process to manufacture poly(ethylene terephthalate) (PET).	
1016			(methacrylic acid, ethyl acrylate, n-butyl acrylate, methyl methacrylate and butadiene) copolymer in nanoform	yes	no	no			Only to be used up to: (a) (b)	10 % w/w in non-plasticised PVC; 15 % w/w in non-

									The final material shall be used at room temperature or below.]	plasticised PLA.
1017		25618-55-7	polyglycerol		no	no			To be processed under conditions preventing the decomposition of the substance and up to a maximum temperature of 275 °C.	
[F22 1030			montmorillonite clay modified by dimethyldialkyl(C16-C18)ammonium chloride		no	no			Only to be used up to 12 % (w/w) in polyolefins in contact with dry foods to which simulant E is assigned in table 2 of Annex III at room	

									temperature or below. The sum of the specific migration of 1-chlorohexadecane and 1-chlorooctadecane shall not exceed 0,05 mg/kg food. Can contain platelets in the nanoform that are only in one dimension thinner than 100 nm. Such platelets shall be oriented parallel to the polymer surface and shall be fully embedded in the polymer.]	
[F20 1031		3238-40-2	Furan-2,5-dicarboxylic acid	no	yes	no	5		Only to be used as a	(22) (23)

									monomer in the production of polyethylene furanoate. The migration of the oligomeric fraction of less than 1 000 Da shall not exceed 50 µg/kg food (expressed as furan-2,5-dicarboxylic acid).
1034		3710-30-3	1,7-octadiene	no	yes	no	0,05		Only to be used as a crosslinking co-monomer in the manufacture of polyolefins for contact with any type of foods for long term storage at room temperature, including when

									packaged under hot-fill conditions.]
1043			(butadiene, ethyl acrylate, methyl methacrylate, styrene) copolymer crosslinked with 1,3-butanediol dimethacrylate, in nanoform		no	no			Only to be used as particles in non-plasticised PVC up to 10 % w/w in contact with all food types at room temperature or below including long-term storage. When used together with the substance with FCM No 859 and/or the substance with FCM No 998, the restriction of 10 %

									w/w applies to the sum of those substances. The diameter of particles shall be > 20 nm, and for at least 95 % by number it shall be > 40 nm.]
[F20 1045		1190931-27-1	perfluoro(acetic acid, 2-[(5-methoxy-1,3-dioxolan-4-yl)oxy]}, ammonium salt	yes	no	no			Only to be used as a polymer production aid during the manufacture of fluoropolymers under high temperature conditions of at least 370 °C.
1046			zinc oxide, nanoparticles, coated with [3-(methacryloxy)propyl] trimethoxysilane (FCM	yes	no	no			Only to be used in unplasticised polymers. The restrictions and specifications

			No 788)						specified for FCM substance No 788 shall be respected.	
1048		624-03-3	ethylene glycol dipalmitate	yes	no	no		(2)	Only to be used when produced from a fatty acid precursor that is obtained from edible fats or oils.	
1050			zinc oxide, nanoparticles, uncoated	yes	no	no			Only to be used in unplasticised polymers.	
1051		42774-15-2	N,N′-bis(2,2,6,6-tetramethyl-4-piperidinyl) isophthalamide	yes	no	no	5			
1052		1455-42-2	2,4,8,10-tetraoxaspiro[5,5]undecane-3,9-diethanol,β3,β3,β9,β9-tetramethyl- (‘ SPG ’)	no	yes	no	5		Only to be used as a monomer in the production of polyesters. The migration of oligomers of less than 1 000	(22) (23)

									Da shall not exceed 50 µg/kg food (expressed as SPG).	
1053			fatty acids, C16–18 saturated, esters with dipentaerythritol	yes	no	no			Only to be used when produced from a fatty acid precursor that is obtained from edible fats or oils]	
[F22 1055		7695-91-2 58-95-7	α-tocopherol acetate	yes	no	no			Only to be used as antioxidant in polyolefins.	(24)
[F23 1059		147398-30-0	Poly((R)-3-hydroxybutyrate-co-(R)-3-hydroxyhexanoate)	yes	no		(35)	Only to be used either alone or blended with other polymers in contact with all foods under contact conditions of		(23)]

										up to 6 months and/or 6 months and more, at room temperature or below, including hot fill or a short heating up phase. The migration of all oligomers with a molecular weight below 1 000 Da shall not exceed 5,0 mg/kg food.
1060			ground sunflower seed hulls	yes	no	no				Only to be used at room temperature or below in contact with foods for which Table 2 of Annex III assigns

									food simulant E. The seed hulls shall be obtained from sunflower seeds that are fit for human consumption. The processing temperature of the plastic containing the additive shall not exceed 240 °C.
[F24 1061		80512-44-3	2,3,4′-trifluorobenzophenone	no	yes	no			Only to be used as a co-monomer in the manufacture of polyether ether ketone plastics up to 0,3 % w/w of the final material.]
1062			mixture composed of 97 %	no	yes	no			Only to be used for the

			tetraethyl orthosilicate (TEOS) with CAS No 78-10-4 and 3 % hexamethyldisilazane (HMDS) with CAS No 999-97-3						production of recycled PET and at up to 0,12 % (w/w).]
[F24 1063		1547-26-2	2,3,3,4,4,5,5-heptafluoro-1-pentene	yes	no				Only to be used together with tetrafluoroethylene and/or ethylene co-monomers to manufacture fluorocopolymers for application as polymer processing aid at up to 0,2 % w/w of the food contact material, and when the low-molecular mass fraction below 1 500 Da in the fluorocopolymer does not exceed

									30 mg/kg.	
1064		39318-18-8	Tungsten oxide	yes	no	no	0,05		Stoichiometry: WO_n, n = 2,72-2,90	(25)
1065		85711-28-0	Mixture of methyl-branched and linear C_{14} - C_{18} alkanamides, derived from fatty acids	yes	no	no	5		Only to be used in the manufacture of articles made of polyolefins, and which do not come into contact with foods for which food simulant D2 is assigned in Table 2 of Annex III.	(26)
[F15 1066		23985-75-2	1,2,3,4-tetrahydronaphthalene-2,6-dicarboxylic acid, dimethyl ester	no	yes	no	0,05		Only to be used as a co-monomer in the manufacture of a polyester non-food contact layer in a plastic multilayer	

									material, which is to be used only in contact with foods for which food simulants A, B, C and/ or D1 are assigned in Table 2 of Annex III. The specific migration limit in column 8 refers to the sum of the substance and of its dimers (cyclic and open chain).]	
[F25 1067		616-38-6	dimethyl carbonate	no	yes	no			Only to be used: a)	(27)] with 1,6-hexanediol in the manufacture

									of polycarbonate pre-polymers that are used at up to 30 % to manufacture thermoplastic polyurethanes with 4,4′-methylenediphenyldiisocya and diols, such as polypropylene glycol and 1,4-butanediol. The resulting material shall only be applied in repeated use articles intended to come into short–term contact (≤ 30 min at room temperature) with food for which

										simulants A and/or B are assigned in Table 2 of Annex III; or
									b)	for the production of other polycarbonates and/or under other conditions provided that the migration of dimethyl carbonate does not exceed 0,05 mg/kg food and that the migration of all polycarbonate oligomers with a molecular weight below 1 000

										Da together does not exceed 0,05 mg/kg food.
[F15 1068		2530-83-8	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	no	yes	no			Only to be used as a component of a sizing agent to treat glass fibres to be embedded in glass-fibre-reinforced low diffusivity plastics (polyethylene terephthalate (PET), polycarbonate (PC), polybutylene terephthalate (PBT), thermoset polyesters and epoxy bisphenol vinylester) in contact with all foodstuffs. In treated glass fibres, residues	

									of the substance must not be detectable at 0,01 mg/kg for the substance and 0,06 mg/kg for each of the reaction products (hydrolysed monomers and epoxy-containing cyclic dimer, trimer and tetramer).]
[F25 1069		75-28-5	isobutane	yes	no	no			Only to be used as a blowing agent.]
[F26 1075			Montmorillonite clay modified with hexadecyltrimethylammonium bromide	yes	no	no			Only to be used as additive at up to 4,0 % w/w in polylactic acid plastics intended for long-term storage

									of water at ambient temperature or below. Can form platelets in the nanoform that are in one or two dimensions thinner than 100 nm. Such platelets shall be oriented parallel to the polymer surface and shall be fully embedded in the polymer.
1076		1227937-46-3	Phosphorous acid, triphenyl ester, polymer with alpha-hydro-omega-hydroxypoly[oxy(methyl-1,2-ethanediyl)], C10-16 alkyl ester		no	no	0,05		Only to be used as an additive at up to 0,2 % w/w in high impact polystyrene materials and articles intended

									contact with food at room temperature and below, including hot-fill and/or heating up to 100 °C for up to 2 hours. It shall not be used in contact with foods for which simulant C and/ or D1 is assigned in Annex III.	
1077			Titanium dioxide surface-treated with fluoride-modified alumina	yes	no	no			Only to be used at up to 25,0 % w/w, including in the nanoform.	29]

a OJ L 302, 19.11.2005, p. 28.

b OJ L 330, 5.12.1998, p. 32.

c OJ L 253, 20.9.2008, p. 1.

d [F4Commission Regulation (EU) No 231/2012 of 9 March 2012 laying down specifications of food additives listed in Annexes II and III to Regulation (EC) No 1333/2008 of the European Parliament and of the Council (OJ L 83, 22.3.2012, p. 1).]

e OJ L 158, 18.6.2008, p. 17.

f [F5[F6Infant as defined in Article 2(2)(a) of Regulation (EU) No 609/2013 of the European Parliament and of the Council of 12 June 2013 on food intended for infants and young children, food for special medical purposes, and total

	diet replacement for weight control and repealing Council Directive 92/52/EEC, Commission Directives 96/8/EC, 1999/21/EC, 2006/125/EC and 2006/141/EC, Directive 2009/39/EC of the European Parliament and of the Council and Commission Regulations (EC) No 41/2009 and (EC) No 953/2009 (OJ L 181, 29.6.2013, p. 35).]
g	This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]
h	[F7OJ L 83, 22.3.2012, p. 1 .]
i	[F8Infant as defined in Article 2(2)(a) of Regulation (EU) No 609/2013.
j	Young children as defined in Article 2(2)(b) of Regulation (EU) No 609/2013.]

Editorial Information

X1 Substituted by Corrigendum to Commission Regulation (EU) No 1183/2012 of 30 November 2012 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Official Journal of the European Union L 338 of 12 December 2012).

Textual Amendments

F4 Inserted by Commission Regulation (EU) 2015/174 of 5 February 2015 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F5 Inserted by Commission Implementing Regulation (EU) No 321/2011 of 1 April 2011 amending Regulation (EU) No 10/2011 as regards the restriction of use of Bisphenol A in plastic infant feeding bottles (Text with EEA relevance).

F6 Substituted by Commission Regulation (EU) 2018/213 of 12 February 2018 on the use of bisphenol A in varnishes and coatings intended to come into contact with food and amending Regulation (EU) No 10/2011 as regards the use of that substance in plastic food contact materials (Text with EEA relevance).

F7 Inserted by Commission Regulation (EU) No 1183/2012 of 30 November 2012 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F8 Inserted by Commission Regulation (EU) 2018/213 of 12 February 2018 on the use of bisphenol A in varnishes and coatings intended to come into contact with food and amending Regulation (EU) No 10/2011 as regards the use of that substance in plastic food contact materials (Text with EEA relevance).

F9 Deleted by Commission Regulation (EU) 2017/752 of 28 April 2017 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F10 Substituted by Commission Regulation (EU) 2015/174 of 5 February 2015 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F11 Substituted by Commission Regulation (EU) No 1183/2012 of 30 November 2012 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F12 Substituted by Commission Regulation (EU) 2020/1245 of 2 September 2020 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F13 Substituted by Commission Regulation (EU) No 1282/2011 of 28 November 2011 amending and correcting Commission Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F14 Substituted by Commission Regulation (EU) No 202/2014 of 3 March 2014 amending Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F15 Substituted by Commission Regulation (EU) 2019/37 of 10 January 2019 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F16 Deleted by Commission Regulation (EU) 2015/174 of 5 February 2015 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F17 Substituted by Commission Regulation (EU) 2018/831 of 5 June 2018 amending Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F18 Inserted by Commission Regulation (EU) No 1282/2011 of 28 November 2011 amending and correcting Commission Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F19 Substituted by Commission Regulation (EU) 2018/79 of 18 January 2018 amending Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F20 Inserted by Commission Regulation (EU) 2016/1416 of 24 August 2016 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F21 Inserted by Commission Regulation (EU) No 202/2014 of 3 March 2014 amending Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F22 Inserted by Commission Regulation (EU) 2017/752 of 28 April 2017 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F23 Substituted by Commission Regulation (EU) 2019/1338 of 8 August 2019 amending Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F24 Inserted by Commission Regulation (EU) 2018/79 of 18 January 2018 amending Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F25 Inserted by Commission Regulation (EU) 2019/37 of 10 January 2019 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

F26 Inserted by Commission Regulation (EU) 2020/1245 of 2 September 2020 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food (Text with EEA relevance).

Textual Amendments

F1 Word in Annex 1 point 1 omitted (31.12.2020) by virtue of The Materials and Articles in Contact with Food (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/704), regs. 1, **76**; 2020 c. 1, Sch. 5 para. 1(1)

2. Group restriction of substances

Table 2 on Group restrictions contains the following information:

Column 1 (Group restriction No): contains the identification number of the group of substances for which the group restriction applies. It is the number referred to in Column 9 in Table 1 of this Annex.

Column 2 (FCM substance No): contains the unique identification numbers of the substances for which the group restriction applies. It is the number referred to in Column 1 in Table 1 of this Annex.

Column 3 (SML (T) [mg/kg]): contains the total specific migration limit for the sum of substances applicable to this group. It is expressed in mg substance per kg food. It is indicated ND if the substance shall not migrate in detectable quantities.

Column 4 (Group restriction specification): contains an indication of the substance whose molecular weight forms the basis for expression of the result.

TABLE 2

(1)	(2)	(3)	(4)
Group Restriction No	**FCM substance No**	**SML (T)[mg/kg]**	**Group restriction specification**
1	128 211	6	expressed as acetaldehyde
[F2 2	89 227 263 1048	30	expressed as ethyleneglycol**]**
3	234 248	30	expressed as maleic acid
4	212 435	15	expressed as caprolactam
5	137 472	3	expressed as the sum of the substances
6	412 512 513 588	1	expressed as iodine
7	19 20	1,2	expressed as tertiary amine
8	317 318 319 359 431 464	6	expressed as the sum of the substances
9	650 695 697 698 726	0,18	expressed as tin
10	28 29 30 31 32 33	0,006	expressed as tin

	466 582 618 619 620 646 676 736		
11	66 645 657	1,2	expressed as tin
12	444 469 470	30	expressed as the sum of the substances
13	163 285	1,5	expressed as the sum of the substances
[F13 14	294 368 894]	5	expressed as the sum of the substances and their oxidation products
[F10 15	98 196 344	15	expressed as formaldehyde]
16	407 583 584 599	6	expressed as boron Without prejudice to the provisions of Directive 98/83/EC
17	4 167 169 198 274 354 372 460 461 475 476 485 490 653	ND	expressed as isocyanate moiety
18	705 733	0,05	expressed as the sum of the substances
19	505 516 519	10	expressed as SO_2

20	290 386 390	30	expressed as the sum of the substances
21	347 349	5	expressed as trimellitic acid
22	70 147 176 218 323 325 365 371 380 425 446 448 456 636	6	expressed as acrylic acid
23	150 156 181 183 184 355 370 374 439 440 447 457 482	6	expressed as methacrylic acid
24	756 758	5	expressed as the sum of the substances
25	720 747	0,05	sum of mono-n-dodecyltin tris(isooctylmercaptoacetate), di-n-dodecyltin bis(isooctyl mercaptoacetate), mono-dodecyltin trichloride and di-dodecyltin dichloride) expressed as the sum of mono- and di-dodecyltin chloride
26	728 729	9	expressed as the sum of the substances

27	188 291	5	expressed as isophthalic acid
28	191 192 785	7,5	expressed as terephthalic acid
29	342 672	0,05	expressed as the sum of 6-hydroxyhexanoic acid and caprolactone
[F10 30	254 344 672	5	expressed as 1,4-butanediol]
31	73 797	30	expressed as the sum of the substances
32	8 72 73 138 140 157 159 207 242 283 532 670 728 729 775 783 797 798 810 815	60	expressed as the sum of the substances
[F7 33	180 874	ND	expressed as eugenol]
[F21 34	421 988	0,05	Expressed as 1,3-benzenedimethanamine]
[F25 35	467 744 1059	0,05	expressed as crotonic acid]

3. Notes on verification of compliance

Table 3 on notes on verification of compliance contains the following information:

Column 1 (Note No): contains the identification number of the Note. It is the number referred to in Column 11 in Table 1 of this Annex.

Column 2 (Notes on verification of compliance): contains rules that shall be respected when testing for compliance of the substance with specific migration limits or other restrictions or it contains remarks on situations where there is a risk of non-compliance.

TABLE 3

(1)	(2)
Note No	**Notes on verification of compliance**
(1)	Verification of compliance by residual content per food contact surface area (QMA) pending the availability of an analytical method.
(2)	There is a risk that the SML or OML could be exceeded in fatty food simulants.
(3)	There is a risk that the migration of the substance deteriorates the organoleptic characteristics of the food in contact and then, that the final product does not comply with Article 3(1) c of the Framework Regulation (EC) No 1935/2004.
[F11(4)	Compliance testing when there is a fat contact **[**F2shall**]** be performed using saturated fatty food simulants as simulant D2.**]**
(5)	Compliance testing when there is a fat contact **[**F2shall**]** be performed using isooctane as substitute of simulant D2 (unstable).
(6)	Migration limit might be exceeded at very high temperature.
(7)	If testing in food is performed, Annex V 1.4 shall be taken into account.
(8)	Verification of compliance by residual content per food contact surface area (QMA); QMA = 0,005 mg/6 dm^2.
(9)	Verification of compliance by residual content per food contact surface area (QMA) pending the availability of analytical method for migration testing. The ratio surface to quantity of food shall be lower than 2dm^2/kg.
(10)	Verification of compliance by residual content per food contact surface area (QMA) in case of reaction with food or simulant.
(11)	Only a method of analysis for the determination of the residual monomer in the treated filler is available.

(12)	There is a risk that the SML could be exceeded from polyolefins.
(13)	Only a method for determination of the content in polymer and a method for determination of the starting substances in food simulants are available.
(14)	There is a risk that the SML could be exceeded from plastics containing more than 0,5 % w/w of the substance.
(15)	There is a risk that the SML could be exceeded in contact with foods with high alcoholic content.
(16)	There is a risk that the SML could be exceeded from low-density polyethylene (LDPE) containing more than 0,3 % w/w of the substance when in contact with fatty foods
(17)	Only a method for determination of the residual content of the substance in the polymer is available
[F18(18)	There is a risk that the SML could be exceeded from low-density polyethylene (LDPE)
(19)	There is a risk that the OML could be exceeded in direct contact with aqueous foods from ethylvinylalcohol (EVOH) and polyvinylalcohol (PVOH) copolymers**]**
[F21(20)	The substance contains aniline as an impurity; verification of compliance with the restriction set for primary aromatic amines in Annex II (2) is necessary**]**
[F4(21)	In case of reaction with foods or simulants verification of compliance shall include verification that the migration limits of the hydrolysis products, formaldehyde and 1,4-butanediol, are not exceeded.**]**
[F20(22)	When used in contact with non-alcoholic foods for which Table 2 of Annex III assigns food simulant D1, food simulant C shall be used for verification of compliance instead of food simulant D1.
(23)	When a final material or article containing this substance is placed on the market, a well described method to determine whether the oligomer migration complies with the restrictions specified in column 10 of Table 1 shall form part of the supporting

	documentation referred to in Article 16. This method shall be suitable for use by a competent authority to verify compliance. If an adequate method is publicly available, reference shall be made to that method. If the method requires a calibration sample, a sufficient sample shall be supplied to the competent authority on its request.**]**
[F22(24)	The substance or its hydrolysis products are authorised food additives and compliance with Article 11(3) shall be verified.**]**
[F24(25)	When used as reheat agent in polyethylene terephthalate (PET) verification of compliance with the specific migration limit is not required; in all other cases compliance with the specific migration limit shall be verified in accordance with Article 18; the specific migration limit is expressed as mg tungsten/kg food.
(26)	Migration of stearamide, listed in Table 1 under FCM substance No 306 to which no specific migration limit applies, shall be excluded from verification of the compliance of the migration of the mixture with the specific migration limit laid down for the mixture.**]**
[F25(27)	When a final material or article containing this substance and produced under conditions other than those described in point (a) column 10 of Table 1 is placed on the market, a well described method to determine whether the oligomer migration complies with the restrictions specified in point (b) column 10 of Table 1 shall form part of the supporting documentation referred to in Article 16. This method shall be suitable for use by a competent authority to verify compliance. If an adequate method is publicly available, reference shall be made to that method. If the method requires a calibration sample, a sufficient sample shall be supplied to the competent authority on its request.**]**
[F26(28)	A detection limit of 0,002 mg/kg food or food simulant applies
(29)	In polar polymers which swell in contact with foods for which simulant B is assigned in Annex III, there is a risk that under severe contact conditions the migration limits for aluminium and fluoride are exceeded. Under

	contact conditions above 4 hours at 100 °C this exceedance can be high.**]**

4. Detailed specification on substances

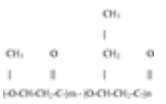
Table 4 on detailed specifications on substances contains the following information

Column 1 (FCM substance No): contains the unique identification number of the substances referred to in Column 1 in Table 1 of Annex I to which the specification applies.

Column 2 (Detailed specification on the substance): contains the specification on the substance.

TABLE 4

(1)	(2)	
FCM substance No	**Detailed specification on the substance**	
744	Definition	The 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 wildtype organism Alcaligenes eutrophus strain H16 NCIMB 10442. 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 treatment bacteria by controlled digestion of the other cellular components, washing and drying. 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
	Chemical name	Poly(3-D-hydroxybutanoate-co-3-D-hydroxypentanoate)
	CAS number	0080181-31-3
	Structural formula	 where n/(m + n) greater than 0 and less or equal to 0,25
	Average molecular weight	Not less than 150 000 Daltons (measured by gel permeation chromatography)
	Assay	Not less than 98 % poly(3-D-hydroxybutanoate-co-3-D-hydoxy-pentanoate) analysed after hydrolysis as a mixture of 3-D-hydro-xybutanoic and 3-D-hydroxypentanoic acids
	Description	White to off-white powder after isolation
	Characteristics	
	Identification tests:	
	Solubility	Soluble in chlorinated hydrocarbons such as chloroform or dichloromethane but practically insoluble in ethanol, aliphatic alkanes and water
	[[F15]Restriction	Specific migration limit for crotonic acid is 0,05 mg/kg food**]**
	Purity	Prior to granulation the raw material copolymer powder must contain:
	— nitrogen,	Not more than 2 500 mg/kg of plastic
	— zinc,	Not more than 100 mg/kg of plastic
	— copper,	Not more than 5 mg/kg of plastic

	— lead,	Not more than 2 mg/kg of plastic
	— arsenic,	Not more than 1 mg/kg of plastic
	— chromium,	Not more than 1 mg/kg of plastic

Changes to legislation:
There are currently no known outstanding effects for the Commission Regulation (EU) No 10/2011, ANNEX I.