

**SCHEDULE 2****Regulation 16(a) and (b)****PART I****LIST OF ADDITIVES TO BE ADDED TO PART I OF  
SCHEDULE 2 TO THE PRINCIPAL REGULATIONS**

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications
19A	35160	06642-31-5	6-Amino-1, 3-dimethyluracil	SML = 5 mg/kg
19B	35170	00141-43-5	2-Aminoethanol	SML = 0.05 mg/kg. Not for use in polymers contacting foods for which simulant D is laid down in Council Directive <a href="#">85/572/EEC</a> and for indirect food contact only, behind the PET layer
19C	35284	00111-41-1	N-(2-aminoethyl) ethanolamine	SML = 0.05 mg/kg. Not for use in polymers contacting foods for which simulant D is laid down in Council Directive <a href="#">85/572/EEC</a> and for indirect food contact only, behind the PET layer
36E	38840	154862-43-8	Bis(-2,4-dicumylphenyl) pentaerythritoldiphosphate	SML = 5 mg/kg (as sum of substance itself, its oxidised form bis(2,4-dicumylphenyl) pentaerythritol-phosphate and its hydrolysis product (2,4-dicumylphenol))

*Status: This is the original version (as it was originally made).*

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications
38A	39925	129228-21-3	3,3-Bis(methoxymethyl)-2,5-dimethyl hexane	SML = 0.05 mg/kg
41A	41120	10043-52-4	Calcium chloride	
45A	41840	00105-60-2	Caprolactam	SML(T) = 15 mg/kg ( <sup>5</sup> )
72B	47210	26427-07-6	Dibutylthiostannoic acid polymer [= thiobis(butyl-tin sulphide), polymer]	In compliance with the specifications laid down in Schedule 2B
73A	47540	27458-90-8	Di-tert-dodecyl disulfide	SML = 0.05 mg/kg
73D	48620	00123-31-9	1,4-Dihydroxybenzene	SML = 0.6 mg/kg
73E	48720	00611-99-4	4,4'-Dihydroxybenzophenone	SML(T) = 6 mg/kg ( <sup>6</sup> )
77A	52645	10436-08-5	Cis-11-eicosenamide	
164A	64800	00110-16-7	Maleic acid	SML(T) = 30 mg/kg ( <sup>4</sup> )
167A	65920	66822-60-4	[N-methacryloyloxyethyl-N,N-dimethyl-N-carboxymethyl-ammonium chloride, sodium salt-octadecyl methacrylate-ethyl methacrylate-cyclohexyl methacrylate-N-vinyl-2-pyrrolidone, copolymers	
191A	73160		Phosphoric acid, mono-and di-n-alkyl (C16 and C18) esters	SML = 0.05 mg/kg
195B	76730		Polydimethylsiloxane-gamma-hydroxypropylated	SML = 6 mg/kg
240B	85680	01343-98-2	Silicic acid	

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications
271A	92150	01401-55-4	Tannic acids	According to the JECFA specifications
279A	93270	00108-78-1	2,4,6-Triamino-1,3, 5-triazine	SML = 30 mg/kg
281A	95270	161717-32-4	2,4,6-Tris(tert-butyl) phenyl 2-butyl-2-ethyl-1, 3-propanediol phosphite	SML = 2 mg/kg (as sum of phosphite, phosphate and the hydrolysis product = TTBP)

## PART II

### LIST OF ADDITIVES FOR WHICH THE ENTRY CONTAINED IN THE FIRST COLUMN (ITEM) OF PART I OF SCHEDULE 1 TO THE PRINCIPAL REGULATIONS IS TO BE AMENDED

Item	Name
36F	Bis(3-4-dimethylbenzylidene)sorbitol
38B	Bis(polyethyleneglycol)hydroxymethylphosphonate
73B	Diethyleneglycol
73C	1,1-Difluoroethane
73F	2,4-Dimethyl-6-(1-methylpentadecyl)phenol
191B	Phosphoric acid, trichloroethyl ester
195C	Polyesters of 1,2-propanediol and/or 1,3-and/or polypropyleneglycol with adipic acid, also end-capped with acetic acid or fatty acids C10-C18 or n-octanol and/or n-decanol
208B	Poly (zinc glycerolate)
240C	Silicic acid, lithium, magnesium, sodium salt
281B	Vermiculite, reaction product with citric acid, lithium salt
281C	Water
281D	Waxes, refined, derived from petroleum based or synthetic hydrocarbon feed stocks
281E	White mineral oils, paraffinic, derived from petroleum based hydrocarbon feed stocks

*Status: This is the original version (as it was originally made).*

### PART III

#### LIST OF ADDITIVES FOR WHICH THE ENTRY CONTAINED IN COLUMN 4 (RESTRICTIONS AND SPECIFICATIONS) OF PART I OF SCHEDULE 2 TO THE PRINCIPAL REGULATIONS IS TO BE AMENDED

Name	Restrictions and specifications
Bis(polyethylenelycol)hydroxymethyl-phosphonate	SML = 0.6 mg/kg. Authorised until 1st January 2004
Copper iodide	SML(T) = 30 mg/kg <sup>(7)</sup> (expressed as copper) and the specific migration of this substance shall not exceed 1 mg/kg <sup>(10)</sup> (expressed as iodine)
2'-(2-Hydroxy-3,5'-di-tert-butylphenyl)-5-chlorobenzotriazole	SML(T) = 30 mg/kg <sup>(18)</sup>

### PART IV

#### PROVISIONS INSERTED AFTER PART I OF SCHEDULE 2 TO THE PRINCIPAL REGULATIONS

#### “PART II:

#### INCOMPLETE LIST OF ADDITIVES USED IN THE MANUFACTURE OF PLASTIC MATERIALS AND ARTICLES (BEING ADDITIVES TO WHICH PARAGRAPH 5 OF PART III OF THIS SCHEDULE APPLIES)

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications
1	30180	02180-18-9	Acetic acid, manganese salt	SML(T) = 0.6 mg/kg <sup>(9)</sup> (expressed as manganese)
2	31520	61167-58-6	Acrylic acid, 2-tert-butyl-6-(3-tert-butyl-2-hydroxy-5-methylbenzyl)-4-methylphenyl ester	SML = 6 mg/kg
3	31920	00103-23-1	Adipic acid, bis(2-ethylhexyl) ester	SML = 18 mg/kg <sup>(1)</sup>

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications
4	34230		Alkyl(C8-C22)sulphonic acids	SML = 6 mg/kg
5	35760	01309-64-4	Antimony trioxide	SML = 0.02 mg/kg (expressed as anti-monium and analytical tolerance included)
6	36720	17194-00-2	Barium hydroxide	SML(T) = 1 mg/kg <sup>(1)</sup> (expressed as barium)
7	36800	10022-31-8	Barium nitrate	SML(T) = 1 mg/kg <sup>(1)</sup> (expressed as barium)
8	38240	00119-61-9	Benzophenone	SML = 0.6 mg/kg
9	38560	07128-64-5	2,5-Bis(5-tert-butyl-2-benzoxazolyl)thiophene	SML = 0.6 mg/kg
10	38700	63397-60-4	Bis(2-carbobutoxyethyl)tin-bis(isooctylmercaptoacetate)	SML = 18 mg/kg
11	38800	32687-78-8	N,N'-Bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionyl)hydrazide	SML = 15 mg/kg
12	38820	26741-53-7	Bis(2,4-di-tert-butylphenyl) pentaerythritol diphosphite	SML = 0.6 mg/kg
13	39060	35958-30-6	1,1-Bis(2-hydroxy-3,5-di-tert-butylphenyl)ethane	SML = 5 mg/kg
14	39090		N,N-bis(2-hydroxyethyl)alkyl (C8-C18)amine	SML(T) = 1.2 mg/kg <sup>(12)</sup>
15	39120		N,N-bis(2-hydroxyethyl)alkyl (C8-C18)amine hydrochlorides	SML(T) = 1.2 mg/kg <sup>(12)</sup> (expressed as N,N-bis(2-hydroxyethyl)alkyl(C8-C18)amine)
16	40000	00991-84-4	2,4-Bis(octylmercapto)-6-	SML = 30 mg/kg

**Status:** This is the original version (as it was originally made).

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications
17	40020	110553-27-0	(4-hydroxy-3,5-di-tert-butylanilino)-1,3,5-triazine 2,4-Bis(octylthiomethyl)-6-methylphenol	SML = 6 mg/kg
18	40160	61269-61-2	N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl)hexamethylenediamine-1,2-dibromoethane, copolymer	SML = 2.4 mg/kg
19	40800	13003-12-8	4,4'-Butylidene-bis(6-tert-butyl-3-methylphenyl-ditridecyl phosphite)	SML = 6 mg/kg
20	40980	19664-95-0	Butyric acid, manganese salt	SML(T) = 0.6 mg/kg <sup>(9)</sup> (expressed as manganese)
21	42000	63438-80-2	(2-Carbobutoxyethyl)tin-tris (isooctylmercaptoacetate)	SML = 30 mg/kg
22	42400	10377-37-4	Carbonic acid, lithium salt	SML(T) = 0.6 mg/kg <sup>(8)</sup> (expressed as lithium)
23	42480	00584-09-8	Carbonic acid, rubidium salt	SML = 12 mg/kg
24	43600	04080-31-3	1-(3-Chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride	SML = 0.3 mg/kg
25	43680	00075-45-6	Chlorodifluoromethane	SML = 6 mg/kg and in compliance with the specifications laid down in Schedule 2B
26	44960	11104-61-3	Cobalt oxide	SML(T) = 0.05 mg/kg <sup>(13)</sup>

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications (expressed as cobalt)
27	45440	—	Cresols, butylated, styrenated	SML = 12 mg/kg
28	46720	04130-42-1	2,6-Di-tert-butyl-4-ethylphenol	QMA = 4.8 mg/6 dm <sup>2</sup>
29	47600	84030-61-5	Di-n-dodecyltin bis(isooctyl mercaptoacetate)	SML = 12 mg/kg
30	48640	00131-56-6	2,4-Dihydroxybenzophenone <sup>(14)</sup>	SML(T) = 6 mg/kg
31	48800	00097-23-4	2,2'-Dihydroxy-5,5'-dichlorodiphenylmethane	SML = 12 mg/kg
32	48880	00131-53-3	2,2'-Dihydroxy-4-methoxybenzophenone <sup>(14)</sup>	SML(T) = 6 mg/kg
33	49600	26636-01-1	Dimethyltin bis(isooctyl mercaptoacetate)	SML(T) 0.18 mg/kg <sup>(15)</sup> (expressed as tin)
34	49840	02500-88-1	Diocetadecyl disulphide	SML = 3 mg/kg
35	50160		Di-n-octyltin bis(n-alkyl(C10-C16) mercaptoacetate)	SML(T) = 0.04 mg/kg <sup>(16)</sup> (expressed as tin)
36	50240	10039-33-5	Di-n-octyltin bis(2-ethylhexyl maleate)	SML(T) = 0.04 mg/kg <sup>(16)</sup> (expressed as tin)
37	50320	15571-58-1	Di-n-octyltin bis(2-ethylhexyl mercaptoacetate)	SML(T) = 0.04 mg/kg <sup>(16)</sup> (expressed as tin)
38	50360		Di-n-octyltin bis(ethyl maleate)	SML(T) = 0.04 mg/kg <sup>(16)</sup> (expressed as tin)
39	50400	33568-99-9	Di-n-octyltin bis(isooctyl maleate)	SML(T) = 0.04 mg/kg <sup>(16)</sup> (expressed as tin)
40	50480	26401-97-8	Di-n-octyltin bis(isooctyl mercaptoacetate)	SML(T) = 0.04 mg/kg <sup>(16)</sup> (expressed as tin)

**Status:** This is the original version (as it was originally made).

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications
41	50560		Di-n-octyltin 1,4-butanediol bis (mercaptoacetate)	SML(T) = 0.04 mg/kg ( <sup>16</sup> ) (expressed as tin)
42	50640	03648-18-8	Di-n-octyltin dilaurate	SML(T) = 0.04 mg/kg ( <sup>16</sup> ) (expressed as tin)
43	50720	15571-60-5	Di-n-octyltin dimaleate	SML(T) = 0.04 mg/kg ( <sup>16</sup> ) (expressed as tin)
46	50960	69226-44-4	Di-n-octyltin ethyleneglycol bis (mercaptoacetate)	SML(T) = 0.04 mg/kg ( <sup>16</sup> ) (expressed as tin)
47	51040	15535-79-2	Di-n-octyltin mercaptoacetate	SML(T) = 0.04 mg/kg ( <sup>16</sup> ) (expressed as tin)
48	51120		Di-n-octyltin thiobenzoate 2-ethyl-hexyl mercaptoacetate	SML(T) = 0.04 mg/kg ( <sup>16</sup> ) (expressed as tin)
49	51570	00127-63-9	Diphenyl sulphone	SML = 3 mg/kg
50	51680	00102-08-9	N,N'-diphenylthiourea	SML = 3 mg/kg
51	52000	27176-87-0	Dodecylbenzenesulphonic acid	SML = 30 mg/kg
52	52320	52047-59-3	2-(4-Dodecylphenyl)indole	SML = 0.06 mg/kg
53	52880	23676-09-7	4-Ethoxybenzoic acid, ethyl ester	SML = 3.6 mg/kg
54	53200	23949-66-8	2-Ethoxy-2'-ethyloxanilide	SML = 30 mg/kg
55	58960	00057-09-0	Hexadecyltrimethylammonium bromide	SML = 10 mg/kg
56	59120	23128-74-7	1,6-Hexamethylene-bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamide)	SML = 45 mg/kg
57	59200	35074-77-2	1,6-Hexamethylene-bis(3-(3, 5-di-	SML = 6 mg/kg

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications
58	60320	70321-86-7	tert-butyl-4-hydroxyphenyl propionate 2-(2-Hydroxy-3,5-bis(1,1-dimethylbenzyl)phenyl) benzotriazole	SML = 1.5 mg/kg
59	60400	03896-11-5	2-(2'-Hydroxy-3'-tert-butyl-5'-methylphenyl)-5-chlorobenzotriazole	SML(T) = 30 mg/kg <sup>(18)</sup>
60	60800	65447-77-0	1-(2-Hydroxyethyl)-4-hydroxy-2,2,6,6-tetramethyl, piperidine-succinic acid, dimethyl ester, copolymer	SML = 30 mg/kg
61	61280	03293-97-8	2-Hydroxy-4-n-hexyloxybenzophenone	SML(T) = 6 mg/kg <sup>(14)</sup>
62	61360	00131-57-7	2-Hydroxy-4-methoxybenzophenone	SML(T) = 6 mg/kg <sup>(14)</sup>
63	61440	02440-22-4	2-(2-Hydroxy-5-methylphenyl) benzotriazole	SML(T) = 30 mg/kg <sup>(18)</sup>
64	61600	01843-05-6	2-Hydroxy-4-n-octyloxybenzophenone	SML(T) = 6 mg/kg <sup>(14)</sup>
65	63200	51877-53-3	Lactic acid, manganese salt	SML(T) = 0.6 mg/kg <sup>(9)</sup> (expressed as manganese)
66	64320	10377-51-2	Lithium iodide	SML(T) = 1 mg/kg <sup>(10)</sup> (expressed as iodine) and SML(T) = 0.6 mg/kg <sup>(8)</sup> (expressed as lithium)
67	65120	07773-01-5	Manganese chloride	SML(T) = 0.6 mg/kg <sup>(9)</sup>

**Status:** This is the original version (as it was originally made).

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications (expressed as manganese)
68	65200	12626-88-9	Manganese hydroxide	SML(T) = 0.6 mg/kg <sup>(9)</sup> (expressed as manganese)
69	65280	10043-84-2	Manganese hypophosphite	SML(T) = 0.6 mg/kg <sup>(9)</sup> (expressed as manganese)
70	65360	11129-60-5	Manganese oxide	SML(T) = 0.6 mg/kg <sup>(9)</sup> (expressed as manganese)
71	65440		Manganese pyrophosphite	SML(T) = 0.6 mg/kg <sup>(9)</sup> (expressed as manganese)
72	66360	85209-91-2	2-2'-Methylene bis(4,6-di-tert-butylphenyl)sodium phosphate	SML = 5 mg/kg
73	66400	00088-24-4	2-2'-Methylenebis(4-ethyl-6-tert-butylphenol)	SML(T) = 1.5 mg/kg <sup>(19)</sup>
74	66480	00119-47-1	2-2'-Methylenebis(4-methyl-6-tert-butylphenol)	SML(T) = 1.5 mg/kg <sup>(19)</sup>
75	67360	67649-65-4	Mono-n-dodecyltin tris(isooctyl mercaptoacetate)	SML = 24 mg/kg
76	67520	54849-38-6	Monomethyltin tris(isooctyl mercaptoacetate)	SML(T) = 0.18 mg/kg <sup>(15)</sup> (expressed as tin)
77	67600		Mono-n-octyltin tris(alkyl(C10-C16)-mercaptoacetate)	SML(T) = 1.2 mg/kg <sup>(17)</sup> (expressed as tin)
78	67680	27107-89-7	Mono-n-octyltin tris(2-ethylhexyl mercaptoacetate)	SML(T) = 1.2 mg/kg <sup>(17)</sup> (expressed as tin)

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications
79	67760	26401-86-5	Mono-n-octyltin tris(isooctyl mercaptoacetate)	SML(T) = 1.2 mg/kg <sup>(17)</sup> (expressed as tin)
80	68078	27253-31-2	Neodecanoic acid, cobalt salt	SML(T) = 0.05 mg/kg (expressed as neodecanoic acid) and SML(T) = 0.05 mg/kg <sup>(13)</sup> (expressed as cobalt). Not for use in polymers contacting foods for which simulant D is laid down in Council Directive <a href="#">85/572/EEC</a>
81	68320	02082-79-3	Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	SML = 6 mg/kg
82	68400	10094-45-8	Octadecyl erucamide	SML = 5 mg/kg
83	69840	16260-09-6	Oleoyl palmitamide	SML = 5 mg/kg
84	72160	00948-65-2	2-Phenylindole	SML = 15 mg/kg
85	72800	01241-94-7	Phosphoric acid, diphenyl 2-ethylhexyl ester	SML = 2.4 mg/kg
86	73040	13763-32-1	Phosphoric acid, lithium salts	SML(T) = 0.6 mg/kg <sup>(8)</sup> (expressed as lithium)
87	73120	10124-54-6	Phosphoric acid, manganese salt	SML(T) = 0.6 mg/kg <sup>(9)</sup> (expressed as manganese)
88	74400		Phosphorous acid, tris(nonyl-and /or dimonylphenyl) ester	SML = 30 mg/kg
89	77440		Polyethyleneglycol diricinoleate	SML = 42 mg/kg
90	77520	61791-12-6	Polyethyleneglycol ester of castor oil	SML = 42 mg/kg
91	78320	09004-97-1	Polyethyleneglycol monoricinoleate	SML = 42 mg/kg

**Status:** This is the original version (as it was originally made).

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications
92	81200	71878-19-8	Poly[6-[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-diyl]-[(2,2,6,6-tetramethyl-4-piperidyl)imino]hexamethylene[(2,2,6,6-tetramethyl-4-piperidyl)imino]	SML = 3 mg/kg
93	81680	07681-11-0	Potassium iodide	SML(T) = 1 mg/kg ( <sup>10</sup> ) (expressed as iodium)
94	82020	19019-51-3	Propionic acid, cobalt salt	SML(T) = 0.05 mg/kg ( <sup>13</sup> ) (expressed as cobalt)
95	83595	119345-01-6	Reaction product of di-tert-butylphosphonite with biphenyl, obtained by condensation of 2, 4-di-tert-butylphenol with friedel craft reaction product of phosphorus trichloride and biphenyl	SML = 18 mg/kg and in compliance with the specifications in Schedule 2B
96	83700	00141-22-0	Ricinoleic acid	SML = 42 mg/kg
97	84800	00087-18-3	Salicylic acid, 4-tert-butylphenyl ester	SML = 12 mg/kg
98	84880	00119-36-8	Salicylic acid, methyl ester	SML = 30 mg/kg
99	85760	12068-40-5	Silicic acid, lithium aluminium salt (2:1:1)	SML(T) = 0.6 mg/kg ( <sup>8</sup> ) (expressed as lithium)
100	85920	12627-14-4	Silicic acid, lithium salt	SML(T) = 0.6 mg/kg ( <sup>8</sup> ) (expressed as lithium)

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications
101	86800	07681-82-5	Sodium iodide	SML(T) = 1 mg/kg ( <sup>10</sup> ) (expressed as iodium)
102	86880		Sodium monoalkyl dialkylphenoxybenzenedisulphonate	SML = 9 mg/kg
103	89170	13586-84-0	Stearic acid, cobalt salt	SML(T) = 0.05 mg/kg ( <sup>13</sup> ) (expressed as cobalt)
104	92000	07727-43-7	Sulphuric acid, barium salt	SML(T) = 1 mg/kg ( <sup>11</sup> ) (expressed as barium)
105	92320		Tetradecyl-polyethyleneglycol (EO = 3-8) ether of glycolic acid	SML = 15 mg/kg
106	92560	38613-77-3	Tetrakis(2,4-di-tert-butyl-phenyl)-4-4'-biphenylene diphosphonite	SML = 18 mg/kg
107	92800	00096-69-5	4,4'-Thiobis(6-tert-butyl-3-methylphenol)	SML = 0.48 mg/kg
108	92880	41484-35-9	Thiodiethanol bis(3-(3-5-di-tert-butyl-4-hydroxyphenyl)propionate)	SML = 2.4 mg/kg
109	93120	00123-28-4	Thiodipropionic acid, didodecyl ester	SML(T) = 5 mg/kg ( <sup>20</sup> )
110	93280	00693-36-7	Thiodipropionic acid, dioctadecyl ester	SML(T) = 5 mg/kg ( <sup>20</sup> )
111	94560	00122-20-3	Triisopropanolamin	SML = 5 mg/kg
112	95280	40601-76-1	1,3,5-Tris(4-tert-butyl-3-hydroxy-2,6-dimethylbenzyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	SML = 6 mg/kg

**Status:** This is the original version (as it was originally made).

Item	PM/REF No.	CAS No.	Name	Restrictions and specifications
114	95600	01843-03-4	1,1,3-Tris(2-methyl-4-hydroxy-5-tert-butylphenyl)butane	SML = 5 mg/kg”