

MERCOSUR/GMC/RES. N° 39/19

MERCOSUR TECHNICAL REGULATION ON THE POSITIVE LIST OF ADDITIVES FOR THE PREPARATION OF PLASTIC MATERIALS AND POLYMERIC COATINGS THAT COME INTO CONTACT WITH FOOD (REPEAL OF GMC RESOLUTION No. 32/07)

SEEN: The Treaty of Asunción, the Ouro Preto Protocol and Resolutions No. 56/92, 38/98, 32/07 and 45/17 of the Common Market Group.

CONSIDERING:

That the harmonization of the Technical Regulations tends to eliminate the trade barriers generated by the different national regulations, in accordance with the provisions of the Treaty of Asunción.

That the Member States, due to the advances in this matter, considered that it was necessary to update the MERCOSUR Technical Regulation on the Positive List of Additives for Plastic Materials for the preparation of packaging and equipment in contact with food.

THE COMMON MARKET GROUP RESOLVES:

Art. 1 - To approve the “MERCOSUR Technical Regulation on the positive list of additives for the preparation of plastic materials and polymeric coatings that come into contact with food”, which is annexed and forms part of this Resolution.

Art. 2 - This Resolution shall apply in the territory of the States Parties, to trade between them and to extra-zone imports.

Art. 3 - The Member States shall indicate within the scope of Working Subgroup No. 3 “Technical Regulations and Conformity Assessment” (SGT No. 3) the national bodies competent for the implementation of this Resolution.

Art. 4 - Repeal GMC Resolution No. 32/07.

Art. 5 - This Resolution must be incorporated into the legal system of the States Parties before 15/1/2020.

LI GMC Ext. - Santa Fe, 15/VII/19.

ANNEX

MERCOSUR TECHNICAL REGULATION ON THE POSITIVE LIST OF ADDITIVES FOR THE PREPARATION OF PLASTIC MATERIALS AND POLYMERIC COATINGS THAT COME INTO CONTACT WITH FOOD

1. SCOPE

This Technical Regulation applies to the additives and polymerization processing aids for use in plastic materials and polymeric coatings in direct contact with food.

2. OBJECTIVE

Establish the list of additives and polymerization processing aids authorised for the manufacture of plastic materials and polymeric coatings that come into contact with food, the respective composition limits, specific migration and restrictions of use, as well as to define the calculation method and the use of correction factors.

3. DEFINITIONS

3.1 Additive: substance that is intentionally added to the formulation of the material to obtain a physical or chemical effect during the manufacture of the plastic or in the material or final object; its presence in the material or final object is intentional.

3.2 Polymerization processing aid: any substance used to provide a suitable means for the manufacture of a polymer, a plastic or a polymeric coating; it may be present, but neither is it intended to be present in the final materials or objects nor does it have a physical or chemical effect on the final material or object.

3.3 Polymerization aid: substance that initiates polymerization or controls the formation of the macromolecular structure.

3.4 Nanoform: form of a natural or manufactured substance that contains particles, loose or forming an aggregate or agglomerate and in which 50% or more of the particles in the numerical granulometry have one or more external dimensions in the range of sizes between 1 nm and 100 nm.

3.5 Particle: tiny part of matter with defined physical limits.

3.6 Agglomerate: set of weakly bound particles or aggregates in which the extension of the resulting external surface is similar to the sum of the surface extensions of the different components.

3.7 Aggregate: particle composed of strongly bound or fused particles.

4. POSITIVE LIST OF ADDITIVES AND POLYMERIZATION PROCESSING AIDS FOR THE PREPARATION OF PLASTIC MATERIALS AND POLYMERIC COATINGS THAT COME INTO CONTACT WITH FOOD.

4.1. The additives and polymerization processing aids authorised for the production of plastic materials and polymeric coatings, their respective restrictions and specifications, are defined in Table 1 of this Regulation.

4.1.1. Other solvents that have a boiling point below 150 °C not listed in Table 1 may be used in plastic materials and polymeric coatings, provided they are not mutagenic, carcinogenic or reproductive toxic substances and do not produce a migration greater than 0.01 mg/kg.

4.2. Food additives authorised in the MERCOSUR Technical Regulations not mentioned in the present list, are also allowed for the development of plastic materials and polymeric coatings in contact with food, provided that:

- a) The restrictions established for their use in food are complied with; and
- b) The amount of additive present in the food added which it can eventually migrate to from the container does not exceed the limits established for each food.

4.3. The substances indicated are also authorised for use as additives in the preparation of plastic materials and polymeric coatings intended for contact with food, as established in item 5 of this Regulation, the general provisions for plastic materials defined in the MERCOSUR Technical Regulation and the restrictions and specifications defined in Table 1:

- a) Salts (including double salts and acid salts) of ammonium, calcium, magnesium, potassium and sodium of authorised acids, phenols or alcohols;
- b) Salts (including double salts and acid salts) of aluminium, barium, cobalt, copper, iron, lithium, manganese and zinc of authorised acids, phenols or alcohols. The following total Specific Migration Limits - SMLT apply to these salts:

Aluminium = 1 mg/kg of food or food simulant.
Barium = 1 mg/kg of food or food simulant.
Cobalt = 0.05 mg/kg of food or food simulant.
Copper = 5 mg/kg of food or food simulant.
Iron = 48 mg/kg of food or food simulant.
Lithium = 0.6 mg/kg of food or food simulant.
Manganese = 0.6 mg/kg of food or food simulant.
Nickel = 0.02 mg/kg food or food simulant.
Zinc = 5 mg/kg food or food simulant.

For polymeric coatings the evaluation of the SMLT of aluminium, barium, cobalt, copper, iron, lithium, manganese, nickel and zinc may be carried out on the inert substrate;

- c) When acids, phenols or alcohols are listed, followed by the word “salts” it means that only the salts of the cations mentioned in points (a) and (b) are authorised, and the corresponding acids, phenols or free alcohols are not authorised;

d) Mixtures of authorised substances in which the components have no chemical reaction to each other; and

e) Natural or synthetic polymeric substances of molecular mass equal to or greater than 1,000 Da that meet the requirements of the MERCOSUR Technical Regulation concerning the positive list of monomers, other initiating substances and polymers, if they can provide the main structural component of the final materials and objects except macromolecules obtained by microbial fermentation.

4.4. The positive list does not include the following substances that can be found in the finished product:

a) Residual substances, also known as unintentionally added substances that include:

- impurities of the substances used;
- intermediate reaction products formed during the production process; and
- decomposition reaction products.

b) The following polymerization aids: catalyst initiator systems, accelerators, catalysts, catalyst modifiers and deactivators, molecular mass regulators, REDOX agents.

4.5. If a substance that appears on the positive list as an isolated compound is also included with a generic name, the restrictions applicable to this substance will be those corresponding to the isolated compound.

4.6. In case of disagreement between the CAS number (*Chemical Abstract Service*) of the CAS register and the chemical name, the latter shall prevail over the former. In case of disagreement between the EINECS (*European Inventory of Existing Commercial Substances*) CAS number and the CAS registration number, the CAS registration number will apply.

4.7. Criteria for inclusion and exclusion of substances in the positive list.

4.7.1. The list of substances may be modified:

- a) For the inclusion of new components, when it has been shown that they do not represent a significant risk to human health and the technological need for their use is justified;
- b) For the modification of the restrictions of the components, when the new technical-scientific knowledge justify it;
- c) To exclude components, when new technical-scientific knowledge indicates a significant risk to human health;

4.7.2. For the inclusion or exclusion of components, as well as for the modification of the restrictions, the positive lists of the regulations of the European Union and, in addition, the lists of substances authorization by the Food and Drug Administration - FDA (Title 21 of the Code of Federal Regulations, and when applicable Food Contact Notification). Exceptionally the positive lists of other

legislations and duly recognised recommendations may be considered. In case of inclusion of new components, the restrictions of use and the limits of composition and specific migration established in the legislation and reference recommendations must be respected.

5. GENERAL PROVISIONS

5.1. Substances in nanoforms can only be used if they are expressly authorised.

5.2. The substances used in the production of plastic materials must meet the criteria of purity and technical quality compatible with their use.

5.2.1 The manufacturer or importer of the materials intended to come into contact with food must know or facilitate access to the composition of the product to the Competent Sanitary Authority and/or other responsible Body when requested.

5.3. Plastic materials and polymeric coatings that are coloured, printed or with polyurethane adhesives in their composition must not migrate primary aromatic amines to food or to simulant B (considered the most critical simulant in this case) in detectable quantities, except those listed in the Table 1.

5.3.1 The limit of detection is 0.01 mg of substance per kg of food or food simulant.

5.3.2 The limit of detection applies to the sum of the primary aromatic amines that migrate.

6. CRITERIA FOR THE DETERMINATION OF SPECIFIC MIGRATION

6.1. Verifying compliance of specific migration limits will be carried out as described in the MERCOSUR Technical Regulation on Migration in Plastic Materials, Packaging and Equipment that come into contact with Food.

6.2. For the determination of the specific migration, when appropriate, the test can only be performed with the simulant considered most critical for that material and substance under evaluation. This approach can be used only if there is scientific evidence that the results obtained in the migration are equal to or more severe than those that would be obtained using the other food simulants

6.3 Criteria for the calculation of specific migration:

6.3.1 In the case of materials and objects with a capacity between 500 ml and 10 L, the actual contact surface is used for the calculation.

6.3.2 In the case of materials and objects with a capacity of less than 500 ml or more than 10 L, as well as for objects which it is impractical to calculate the actual contact surface of, the contact surface is assumed to be of 6 dm² per kg of food.

6.3.3 For materials and objects with a capacity of less than 500 ml intended for the food of children under three (3) years of age, the correction in relation to actual area and volume must be applied.

6.4 For lipophilic substances that require the application of the fat reduction factor (FRF),

as indicated in Table 1, and which are used in the preparation of materials intended for contact with food whose fat content is equal to or greater than 20%, the result of the specific migration test must be divided by the value of (FRF) before comparing it with the specific migration limits.

6.4.1 The FRF is determined according to the formula:

$$\text{FRF} = (\text{g of fat in the food/kg of food}) / 200 = (\% \text{ of fat} \times 5)/100.$$

6.4.2 The specific migration in food or food simulants must not exceed 60 mg/kg of food or food simulants before the application of the FRF.

6.4.3 The correction of the FRF as described in paragraph 6.4.1 shall not apply:

- a) When the material or object is intended to come into contact with food for children from zero (0) to three (3) years of life.
- b) When the ratio between surface area of materials and objects and quantity of food is not known; in that case the conventional conversion factor of 6 dm²/kg is used.

6.5 For the determination of the migration of substances authorised in this Regulation as additives for plastic materials in simulants of fatty foods, the simulation reduction factor D or D' defined in the MERCOSUR Technical Regulation on Migration in Plastic Materials, Packaging and Equipment to come into contact with food is applicable.

6.6 The correction factors for the results of the migration tests described in points 6.4 and 6.5 can be combined by multiplying both factors.

6.6.1 For this combination, the conditions specified for each of the factors must be met and when the migration test is carried out with the simulant for fatty foods.

6.6.2 The maximum factor applied cannot exceed five (5).

6.7 Determination of specific migration by approximation:

6.7.1 In the case of substances that are unstable in food simulants or when there is no suitable analytical method for the specific migration test, conformity verification may be performed by calculating approximation migration.

6.7.2 To determine by approximation whether a material or object meets the migration limits, any of the following calculation methods that are considered more stringent than the corresponding migration test may be applied. If, by applying these methods, the results obtained are higher than the established specific migration limit, the corresponding specific migration tests must be carried out, these results prevailing over those obtained by approximation methods.

6.7.3 To determine by approximation the specific migration, the migration can be calculated based on the added amount or residual amount of the substance in the material or in the container, assuming a complete migration. This result is called potential migration.

6.7.4 To determine by approximation the specific migration of substances considered non-volatile under the total migration test conditions, the result of the determination of total migration carried out under test conditions at least as severe as for the specific migration can be used.

6.7.5 To determine the specific migration by approximation, it can be calculated on the basis of the added or residual amount of the substance in the material or object by applying recognised diffusion models, based on scientific evidence and validated for use in plastic materials. They must be conceived to overestimate actual migration levels. The acceptance of the results of the calculation of specific migration applying the diffusion model will be at the discretion of the Competent Health Authority in accordance with its procedures.

LIST OF AUTHORISED ADDITIVES FOR PLASTIC MATERIALS AND POLYMERIC COATINGS THAT COME INTO CONTACT WITH FOOD

Table 1 contains the following information:

- **Substance MCA No. or Mercosur Substance No. (M No.):** substance identification number.
- **Ref No.:** European Union (EU) reference number of the substance.
- **CAS No.:** *Chemical Abstracts Service* (CAS) registration number of the substance.
- **Substance designation:** chemical name.
- **FRF** applicable (yes/no) indication that the result of migration can be corrected by the reduction factor FRF fat (yes) or not be corrected by FRF (no).
- **Restrictions and/or specifications:** specific migration limit [SML (mg/kg)], total specific migration limit [SMLT) (mg/kg)] and other restrictions and specifications applicable to the substance.

For the purposes of this Regulation, the following definitions apply:

CL: composition limit (maximum residual amount allowed) of substance in the finished material or object.

CL (G): group composition limit (maximum residual amount allowed), expressed as the total group or substances indicated, in the finished material or object.

LD: limit of detection of the analysis method.

SLE: specific migration limit (maximum amount transferred allowed) in food or its simulants.

SMLT: total specific migration limit (maximum amount transferred allowed) in food or its simulants, expressed as the total of the groups or substances indicated.

TML: Total migration limit.

ND: not detectable.

CAS NUMBER: CAS (*Chemical Abstracts Service*) substance registration number.

PT: finished product, material or object.

Table 1. Positive list of additives with restrictions of use and specifications.

Sub. MCA no.	Ref. No.	CAS No.	Substance Designation	FRF applicable (yes/no)	Restrictions and specifications
7	30370	—	Acetyl acetic acid, Salts	No	
8	30401	—	Mono and di acetylated fatty acid glycerides	No	SMLT = 60 mg/kg. The limit refers to the sum of the substances of numbers MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.
9	30610	—	Acids, C2-C24, aliphatic, linear, monocarboxylic, obtained from natural fats and oils, and their esters with mono, di and triglycerol (including branched fatty acids at the levels presented naturally)	No	
10	30612	—	Acids, C2-C24, linear aliphatic monocarboxylic, synthetic, and their mono-, di- and triglycerol esters	No	
11	30960	—	Esters of monocarboxylic aliphatic acids (C6-C22) with polyglycerol	No	
12	31328	—	Fatty acids obtained from food fats and oils of animal or plant origin	No	
13	33120	—	Mono aliphatic, saturated, linear, primary alcohols (C4-C 24)	No	
14	33801	—	N- (C10-C13) alkyl benzene sulphonic acid	No	SML = 30 mg/kg
15	34130	—	Alkyl dimethylamines, linear with an even number of carbon atoms (C12-C20)	Yes	SML = 30 mg/kg
16	34230	—	Alkyl (C8-C22) sulphonic acid	No	SML = 6 mg/kg
17	34281	—	Alkyl (C8-C22) sulphuric acids, primary linear, with even number of carbon atoms	No	
18	34475	—	Calcium and aluminium hydroxy phosphite, hydrate	No	SMLT = 1 mg/kg (expressed as Aluminium)
19	39090	—	N,N-Bis (2-hydroxyethyl) (C8 -C18) alkyl amine	No	SMLT = 1.2 mg/kg (expressed as tertiary amine). The limit refers to the sum of the substances of number MCA 19, 20.
20	39120	—	Hydrochloride of N,N-bis (2-hydroxyethyl) alkyl (C8 -C18) amine	No	SMLT = 1.2 mg/kg (expressed as tertiary amine and including HCl). The limit refers to the sum of the substances of number MCA 19, 20.

21	42500	—	Carbonic acid, salts	No	
22	43200	—	Mono and di castor oil glycerides	No	
23	43515	—	Esters of coconut oil fatty acids with choline chloride	No	SML = 0.9 mg/kg
24	45280	—	Cotton fibres	No	
25	45440	—	Butylated, styrene cresols	No	SML = 12 mg/kg
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 at 100% m/m) and b) 5,7-di-tert-butyl-3- (2,3- dimethyl phenyl) -3H-benzofuran-2- one (0 at 20% m/m)	No	SML = 5 mg/kg
27	48960	—	9,10-dihydroxystearic acid and its oligomers	No	SML = 5 mg/kg
28	50160	—	Di-n-octyl tin bis [n-alkyl (C10-C16) thioglycolate]	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646, 676, 736.
29	50360	—	Di-n-octyl tin bis (ethyl maleate)	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646, 676, 736.
30	50560	—	1,4-n-octyl tin bis-butanediol bis (thioglycolate)	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646, 676, 736.
31	50800	—	Dimaleate of esterified di-n-octyl tin	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646, 676, 736.

32	50880	—	Dimaleate of di-n-octyl tin, polymers (n = 2-4)	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646, 676, 736.
33	51120	—	Di-n-octyl tin (thiobenzoate) (2-ethyl- hexylthioglycolate)	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646, 676, 736.
34	54270	—	Ethyl hydroxymethyl cellulose	No	
35	54280	—	Ethyl hydroxypropyl cellulose	No	
36	54450	—	Food fats and oils, of animal or plant origin	No	
37	54480	—	Hydrogenated food fats and oils of animal vegetable origin	No	
38	55520	—	Glass fibres	No	
39	55600	—	Micro glass particles	No	
40	56360	—	Glycerol esters with acetic acid	No	
41	56486	—	Glycerol esters with aliphatic, saturated, linear acids, with even number of carbon atoms (C14-C18) and with aliphatic, unsaturated, linear acids, with an even number of carbon atoms (C16-C18)	No	
42	56487	—	Glycerol esters with butyric acid	No	
43	56490	—	Glycerol esters with erucic acid	No	
44	56495	—	Glycerol esters with 12- hydroxy stearic acid	No	
45	56500	—	Glycerol esters with lauric acid	No	
46	56510	—	Glycerol esters with linoleic acid	No	
47	56520	—	Glycerol esters with myristic acid	No	
48	56535	—	Glycerol esters with nonanoic acid	No	
49	56540	—	Glycerol esters with oleic acid	No	
50	56550	—	Glycerol esters with palmitic acid	No	
51	56570	—	Glycerol esters with propionic	No	

			acid		
52	56580	—	Glycerol esters with ricin oleic acid	No	
53	56585	—	Glycerol esters with stearic acid	No	
54	57040	—	Glycerol mono-oleate, ester with ascorbic acid	No	
55	57120	—	Glycerol mono-oleate, ester with citric acid	No	
56	57200	—	Glycerol mono palmitate, ester with ascorbic acid	No	
57	57280	—	Glycerol mono palmitate, citric acid ester	No	
58	57600	—	Glycerol mono stearate, ester with ascorbic acid	No	
59	57680	—	Glycerol mono stearate, citric acid ester	No	
60	58300	—	Glycine, Salts	No	
62	64500	—	Lysine, Salts	No	
63	65440	—	Manganese pyrophosphite	No	SMLT = 0.6 mg/kg (expressed as manganese)
64	66695	—	Methyl hydroxymethyl cellulose	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	No	Not more than 0.05% (m/m) (mass of substance used/formulation mass). The proportion of the mixture obtained from the manufacturing process should be (58-62%): (23-27%): (13-17%), which is the usual one.
66	67600	—	Tris [alkyl(C10-C16)thioglycolate] of mono-n-octyl tin	No	SMLT = 1.2 mg/kg (expressed as tin). The limit refers to the sum of the substances number MCA 66, 645, 657.
67	67840	—	Montanic acids and/or their esters with ethylene glycol and/or 1,3-butanediol and/or glycerol	No	
68	73160	—	Mono and di-n-alkyl phosphates (C16 and C18)	Yes	SML = 0.05 mg/kg
69	74400	—	Tris phosphite (nonyl and/or dinonylphenyl)	Yes	SML = 30 mg/kg
70	76463	—	Poly acrylic acid salts	No	SMLT = 6 mg/kg (expressed as acrylic acid). The limit refers to the sum of the substances of number MCA 70, 147, 176, 218, 323, 325, 365, 371, 380, 425, 446, 448, 456, 636.

71	76730	—	Polydimethylsiloxane, gamma-hydroxypropylated	No	SML = 6 mg/kg
72	76815	—	Polyester esters of adipic acid with glycerol or penta erythritol, with unbranched fatty acids C12-C22 with even number of carbon atoms	No	SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69. The fraction with a molecular mass of less than 1000 Da should not exceed 5% (m/m).
73	76866	—	Polyesters of 1,2- propanediol and/or 1,3- and/or 1,4-butanediol and/or polypropylene glycol with adipic acid, which may have the end encapsulated in acetic acid or C12-C18 or n-octanol and/or n-decanol	Yes	SMLT = 30 mg/kg. The limit refers to the sum of the substances of number MCA 73, 797. SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.
74	77440	—	Polyethylene glycol diricinoleate	Yes	SML = 42 mg/kg
75	77702	—	Polyethylene glycol esters with monocarboxylic aliphatic acids (C6-C22) and its sodium and ammonium sulphates	No	

76	77732	—	Acrylate of polyethylene glycol (EO = 1-30, typically 5) ether of butyl-2-cyano-3- (4-hydroxy-3-methoxyphenyl)	No	SML = 0.05 mg/kg For PET use only.
77	77733	—	Polyethylene glycol acrylate (EO = 1-30, typically 5) butyl-2-cyano-3- (4-hydroxyphenyl) ether	No	SML = 0.05 mg/kg For PET use only.
78	77897	—	Salts, polyethylene glycol sulphate (EO = 1-50) monoalkyl ether (linear and branched, C8-C20)	No	SML = 5 mg/kg
79	80640	—	Polyoxyalkyl (C2-C4) dimethylpolysiloxane	No	
80	81760	—	Powders, scales and fibres of brass, bronze, copper, stainless steel, tin and copper, tin and iron alloys	No	It must comply with the SMLT of metals established in item 4.3.b.

81	83320	—	Propylhydroxyethylcellulose	No	
82	83325	—	Propyl hydroxy methyl cellulose	No	
83	83330	—	Propyl hydroxy propyl cellulose	No	
84	85601	—	Natural silicates (except asbestos)	No	It must comply with the SMLT of metals established in item 4.3.b.
85	85610	—	Silanization natural silicates (except asbestos)	No	It must comply with the SMLT of metals established in item 4.3.b.
86	86000	—	Silanization silicon acid	No	
87	86285	—	Silanization silicon dioxide	No	Unrestricted except for silanization amorphous synthetic silicon dioxide, which must comply with the following restriction: primary particles of 1–100 nm, aggregated to a dimension of 0.1–1 µm and which can form agglomerates within the dimensional distribution of 0.3 µm up to the order of mm.
88	86880	—	Dialkyl phenoxy benzene disulphonate mono alkyl, sodium salt	No	SML = 9 mg/kg
89	89440	—	Esters of stearic acid with ethylene glycol	No	SMLT = 30 mg / kg (expressed as ethylene glycol). The limit refers to the sum of the substances number MCA 89, 227, 263.1048.

90	92195	—	Taurine, Salts	No	
91	92320	—	Tetradecyl -polyethylene glycol (OE = 3-8) ether of glycolic acid	Yes	SML = 15 mg/kg
92	93970	—	Bis (hexahydro phthalate) of tricyclodecanedimethanol	No	SML = 0.05 mg/kg
93	95858	—	Refined paraffin waxes derived from synthetic hydrocarbons or low-viscosity petroleum	No	SML = 0.05 mg/kg Do not use for objects in contact with fatty foods. Average molecular mass not less than 350 Da. Viscosity at 100 °C not less than 2.5 cSt ($2.5 \times 10^{-6} \text{ m}^2/\text{s}$). Hydrocarbon content with a carbon number of less than 25: not more than 40% (m/m)
94	95859	—	Refined waxes derived from synthetic hydrocarbons or high viscosity petroleum	No	Average molecular mass not less than 500 Da. Viscosity at 100 °C, not less than 11 cSt ($11 \times 10^{-6} \text{ m}^2/\text{s}$). Quantity of mineral hydrocarbons with a carbon number of less than 25: no more than 5% (m/m)

95	95883	—	Paraffinic white mineral oils derived from petroleum hydrocarbons	No	Average molecular mass not less than 480 Da. Viscosity at 100 °C not less than 8.5 cSt ($8.5 \times 10^{-6} \text{ m}^2/\text{s}$). Quantity of mineral hydrocarbons with a carbon number of less than 25: no more than 5% (m/m)
96	95920	—	Wood flour and fibres, untreated	No	
97	72081/10	—	Petroleum hydrocarbon resins (hydrogenated)	No	Hydrogenated petroleum hydrocarbons resins are produced by catalytic or thermal polymerization of dienes and olefins of the aliphatic, alicyclic and/or aryl alkene mono benzene types from distillates of cracked petroleum stocks with a boiling range that does not exceed 220 °C, as well as the pure monomers found in these distillate flows, followed by distillation, hydrogenation and further transformation. Properties: - Viscosity at 120 °C: > 3Pa.s. - Softening point: > 95 °C, determined by the ASTM E28-67 method.
					- Bromine index: <40 (ASTM D1159). - Colour of a 50% solution in toluene: <11 on the Gardner scale. - Residual aromatic monomers ≤ 50 ppm.
98	17260 54880	0000050-00-0	Formaldehyde	No	SMLT = 15 mg/kg (expressed as formaldehyde). The limit refers to the sum of the substances of number MCA 98, 196, 344.
99	19460 62960	0000050-21-5	Lactic acid	No	
100	24490 88320	0000050-70-4	Sorbitol	No	
101	36000	0000050-81-7	Ascorbic acid	No	
103	18100 55920	0000056-81-5	Glycerol	No	
104	58960	0000057-09-0	Bromide hexadecyl trimethyl ammonium	No	SML = 6 mg/kg
105	22780 70400	0000057-10-3	Palmitic acid	No	
106	24550 89040	0000057-11-4	Stearic acid	No	
109	23740 81840	0000057-55-6	1,2-propanediol	No	

110	93520	0000059-02-9 0010191-41-0	α -Tocopherol	No	
111	53600	0000060-00-4	Ethylenediamine tetra acetic acid	No	
112	64015	0000060-33-3	Linoleic acid	No	
113	16780	0000064-17-5	Ethanol	No	
	52800				
114	55040	0000064-18-6	Formic acid	No	
115	10090	0000064-19-7	Acetic acid	No	
	30000				
116	13090	0000065-85-0	Benzoic acid	No	
	37600				
118	23830	0000067-63-0	2-Propanol	No	
	81882				

119	30295	0000067-64-1	Acetone	No	
120	49540	0000067-68-5	Dimethyl sulphoxide	No	
121	24270	0000069-72-7	Salicylic acid	No	
	84640				
131	48460	0000075-37-6	1,1-Difluoroethane	No	
134	43680	0000075-45-6	Chlorodifluoromethane	No	SML = 6 mg/kg The content of chlorofluoromethane in the substance must be less than 1 mg/kg.
136	41680	0000076-22-2	Camphor	No	There is a risk that the migration of the substance may deteriorate the organoleptic characteristics of the food with which it is in contact and, therefore, that the final product does not meet the general criteria of food packaging and equipment in contact with established foods in the corresponding MERCOSUR Technical Regulation.
137	66580	0000077-62-3	2,2'-Methylene-bis [4-methyl-6-(1-methyl-cyclohexyl) phenol]	Yes	SMLT = 3 mg/kg. The limit refers to the sum of the substances of number MCA 137, 472.
138	93760	0000077-90-7	Tri-n-butyl acetyl citrate (= tri-n-butyl acetate citrate)	No	SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.
139	14680	0000077-92-9	Citric acid	No	
	44160				
				No	SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA

140	44640	0000077-93-0	Triethyl citrate		8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.
141	13380	0000077-99-6	1,1,1-Trimethylolpropane	No	SML = 6 mg/kg
	25600				
	94960				
143	62450	0000078-78-4	Isopentane	No	
146	23890	0000079-09-4	Propionic acid	No	
	82000				
157	74880	0000084-74-2	Dibutyl phthalate	No	<p>SML = 0.3 mg/kg</p> <p>SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.</p> <p>Only for use as:</p> <p>a) plasticizer in materials and objects of repeated use that are in contact with non-fatty foods;</p>

					<p>b) agent to assist the technological process in polyolefins in concentrations of up to 0.05% in the final product.</p> <p>They cannot be used as substances or constituents of preparations in concentrations greater than 0.1% by mass of plasticization material, in plastic materials in contact with food for children aged 0 to 3 years.</p>
158	23380	0000085-44-9	Phthalic anhydride	No	
	76320				
159	74560	0000085-68-7	Benzyl butyl phthalate	No	<p>SML = 30 mg/kg</p> <p>SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.</p> <p>Use only as:</p> <p>a) plasticizer in materials and objects of repeated use;</p> <p>b) plasticizer in single-use materials and objects that are in contact with non-fatty foods, except those prepared for children from 0 to 3 years of age, as defined in the specific regulations;</p> <p>c) as a technological process aid agent in concentrations of up to 0.1% in the final product.</p> <p>They cannot be used as substances or constituents of preparations in concentrations greater than 0.1% by mass of plasticization material, in plastic materials in contact with food for children aged 0 to 3 years.</p>

160	84800	0000087-18-3	4-tert-butylphenyl salicylate	Yes	SML = 12 mg/kg
161	92160	0000087-69-4	L-(+)-tartaric acid	No	
162	65520	0000087-78-5	Mannitol	No	
163	66400	0000088-24-4	2,2'-Methylene-bis (4-ethyl-6-tert-butylphenol)	Yes	SMLT = 1.5 mg/kg. The limit refers to the sum of the substances of number MCA 163, 285.
164	34895	0000088-68-6	2-Aminobenzamide	No	SML = 0.05 mg/kg Only for use in PET for water and drinks.
165	23200	0000088-99-3	O-phthalic acid	No	
	74480				
171	38080	0000093-58-3	Methyl benzoate	No	
172	37840	0000093-89-0	Ethyl benzoate	No	
173	60240	0000094-13-3	4-propyl hydroxybenzoate	No	
178	92800	0000096-69-5	4,4'-Thio-bis (6-tert-butyl-3-methyl phenol)	Yes	SML = 0.48 mg/kg
179	48800	0000097-23-4	2,2'-Dihydroxy-5,5'-dichloro-diphenylmethane	Yes	SML = 12 mg/kg
189	60200	0000099-76-3	Methyl 4-hydroxybenzoate	No	
195	37360	0000100-52-7	Benzaldehyde	No	There is a risk that the migration of the substance may deteriorate the organoleptic characteristics of the food with which it is in contact and, therefore, that the final product does not meet the General Criteria for Food Containers and Equipment in Contact with Foods established in the Corresponding MERCOSUR Technical Regulation.
196	18670	0000100-97-0	Hexamethylene tetraamine	No	SMLT = 15 mg/kg (expressed as formaldehyde). The limit refers to the sum of substances of number MCA 98, 196 and 344
	59280				
200	51680	0000102-08-9	N,N'-diphenyl thiourea	Yes	SML = 3 mg/kg
204	25180	0000102-60-3	N,N,N',N'-Tetrakis (2-hydroxypropyl) ethylenediamine	No	
	92640				
207	31920	0000103-23-1	Bis (2-ethylhexyl) adipate	Yes	SML = 18 mg/kg SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69. There is a risk of exceeding the SML or total migration limit in fatty food simulants.
212	14200	0000105-60-2	Caprolactam	No	SMLT = 15 mg/kg (expressed as caprolactam). The limit refers to the sum of the substances of number MCA 212, 435.
	41840				
213	82400	0000105-62-4	1,2-propylene glycol dioleate	No	
214	61840	0000106-14-9	12-hydroxystearic acid	No	

221	40570	0000106-97-8	Butane	No	
227	16990	0000107-21-1	Ethylene glycol	No	SMLT = 30 mg / kg (expressed as ethylene glycol). The limit refers to the sum of the substances number MCA 89, 227, 263.1048.
	53650				
232	10150	0000108-24-7	Acetic anhydride	No	
	30280				
239	19975	0000108-78-1	2,4,6-Triamino-1,3,5-triazine	No	SML = 2.5 mg/kg
	25420				
	93720				
240	45760	0000108-91-8	Cyclo-hexylamine	No	
242	85360	0000109-43-3	Dibutyl sebacate	No	SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.
244	71720	0000109-66-0	Pentane	No	
247	24820	0000110-15-6	Succinic acid	No	
	90960				
248	19540	0000110-16-7	Maleic acid	No	SMLT = 30 mg / kg (expressed as maleic acid). The limit refers to the sum of the substances of number MCA 234, 248.
	64800				
249	17290	0000110-17-8	Fumaric acid	No	
	55120				
250	53520	0000110-30-5	N,N'-Ethylene-bis-stearamide	No	
251	53360	0000110-31-6	N,N'-Ethylene-bis-oleamide	No	
252	87200	0000110-44-1	Sorbic acid	No	
254	13720	0000110-63-4	1,4-Butanediol	No	SMLT = 5 mg/kg (expressed as 1,4-butanediol). The limit refers to the sum of the substances number MCA 254, 344, 672.
	40580				
256	18010	0000110-94-1	Glutaric acid	No	
	55680				
257	13550	0000110-98-5 0025265-71-8	Dipropylene glycol	No	
	16660				
	51760				
258	70480	0000111-06-8	Palmitic acid butyl ester	No	
259	58720	0000111-14-8	Heptanoic acid	No	
262	35284	0000111-41-1	N-(2-aminoethyl) ethanolamine	No	SMLT = 0.05 mg/kg Do not use for objects in contact with fatty foods. Only for indirect contact with food, behind a layer of PET.

263	13326	0000111-46-6	Diethylene glycol	No	SMLT = 30 mg / kg (expressed as ethylene glycol). The limit refers to the sum of the substances number MCA 89, 227, 263, 1048.
	15760				
	47680				
266	25510	0000112-27-6	Triethylene glycol	No	
	94320				
269	25090	0000112-60-7	Tetraethylene glycol	No	
	92350				

270	22763	0000112-80-1	Oleic acid	No	
	69040				
271	52720	0000112-84-5	Erucamide	No	
272	37040	0000112-85-6	Behenic acid	No	
273	52730	0000112-86-7	Erucic acid	No	
279	22840	0000115-77-5	Pentaerythritol	No	
	71600				
280	73720	0000115-96-8	Tri chloro ethyl phosphate	No	ND (LD = 0.01 mg/kg).
283	74640	0000117-81-7	Bis (2-ethyl-hexyl) phthalate (=DEHP)	No	<p>SML = 1.5 mg/kg</p> <p>SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.</p> <p>Use only as:</p> <ul style="list-style-type: none"> a) plasticizer in materials and objects of repeated use that are in contact with non-fatty foods; b) as a technological process aid agent in concentrations of up to 0.1% m / m in the final product. <p>They cannot be used as substances or constituents of preparations in concentrations greater than 0.1% by mass of plasticization material, in plastic materials in contact with food for children aged 0 to 3 years.</p>
284	84880	0000119-36-8	Methyl salicylate	No	SML = 30 mg/kg
285	66480	0000119-47-1	2,2'-Methylenebis (4-methyl-6-tert-butylphenol)	Yes	SMLT = 1.5 mg/kg. The limit refers to the sum of the substances of number MCA 163, 285.
286	38240	0000119-61-9	Benzophenone	Yes	SML = 0.6 mg/kg
287	60160	0000120-47-8	Ethyl 4-hydroxybenzoate	No	

290	55360	0000121-79-9	Propyl gallate	No	SMLT = 30 mg/kg. The limit refers to the sum of the substances number MCA 290, 386, 390.
292	94560	0000122-20-3	Tri-isopropanol amine	No	SML = 5 mg/kg
294	93120	0000123-28-4	Didodecyl thiodipropionate	Yes	SMLT = 5 mg/kg (expressed as the sum of the substances and their oxidation products). The limit refers to the sum of the substances number MCA 294, 368, 894.
295	15940	0000123-31-9	1,4-Dihydroxybenzene	No	SML = 0.6 mg/kg
	18867				
	48620				

299	63840	0000123-76-2	Levulinic acid	No	
300	30045	0000123-86-4	Butyl acetate	No	
301	89120	0000123-95-5	Stearic acid butyl ester	No	
303	12130	0000124-04-9	Adipic acid	No	
	31730				
304	14320	0000124-07-2	Caprylic acid	No	
	41960				
306	88960	0000124-26-5	Stearamide	No	
307	42160	0000124-38-9	Carbon dioxide	No	
308	91200	0000126-13-6	Sucrose acetoisobutyrate	No	
309	91360	0000126-14-7	Sucrose octaacetate	No	
311	16480	0000126-58-9	Dipentaerythritol	No	
	51200				
313	16650	0000127-63-9	Diphenylsulphone	No	SML = 3 mg/kg
	51570				
315	46640	0000128-37-0	2,6-Di-tert-butyl-p-cresol	No	SML = 3 mg/kg
317	48880	0000131-53-3	2,2'-Di-hydroxy-4-methoxybenzophenone	Yes	SMLT = 6 mg/kg. The limit refers to the sum of substances of number MCA 317, 318, 319, 359, 431, 464.
318	48640	0000131-56-6	2,4-Di-hydroxybenzophenone	No	SMLT = 6 mg/kg. The limit refers to the sum of substances of number MCA 317, 318, 319, 359, 431, 464.
319	61360	0000131-57-7	2-Hydroxy-4-methoxybenzophenone	Yes	SMLT = 6 mg/kg. The limit refers to the sum of substances of number MCA 317, 318, 319, 359, 431, 464.
320	37680	0000136-60-7	Butyl benzoate	No	
321	36080	0000137-66-6	Ascorbyl palmitate	No	

322	63040	0000138-22-7	Butyl lactate	No	
324	83700	0000141-22-0	Ricinoleic acid	Yes	SML = 42 mg/kg
326	12763	0000141-43-5	2-Aminoethanol	No	SML = 0.05 mg/kg Do not use for objects in contact with fatty foods. Only for indirect contact with food, behind a layer of PET.
	35170				
327	30140	0000141-78-6	Ethyl acetate	No	
328	65040	0000141-82-2	Malonic acid	No	

329	59360	0000142-62-1	Hexanoic acid	No	
330	19470	0000143-07-7	Lauric acid	No	
	63280				
332	69760	0000143-28-2	Oleyl alcohol	No	
333	22775	0000144-62-7	Oxalic acid	No	SML = 6 mg/kg
	69920				
335	68960	0000301-02-0	Oleamide	No	
336	15095	0000334-48-5	N-decanoic acid	No	
	45940				
338	71020	0000373-49-9	Palmitoleic acid	No	
339	86160	0000409-21-2	Silicium carbide	No	
340	47440	0000461-58-5	Dicyandiamide	No	SML = 60 mg/kg
345	35840	0000506-30-9	Arachidic acid	No	
348	22350	0000544-63-8	Myristic acid	No	
	67891				
350	63920	0000557-59-5	Lignoceric acid	No	
353	42480	0000584-09-8	Rubidium carbonate	No	SML = 12 mg/kg
359	15970	0000611-99-4	4,4'-Dihydroxybenzophenone	No	SMLT = 6 mg/kg. The limit refers to the sum of substances of number MCA 317, 318, 319, 359, 431, 464.
	48720				
360	57920	0000620-67-7	Glycerol tri-heptanoate	No	
368	93280	0000693-36-7	Diocadecyl thiodipropionate	Yes	SMLT = 5 mg/kg (expressed as the sum of the substances and their oxidation products). The limit refers to the sum of the substances number MCA 294, 368, 894.
376	66905	0000872-50-4	N-methyl pyrrolidone	No	SML = 60 mg/kg
383	72160	0000948-65-2	2-Phenylindole	Yes	SML = 15 mg/kg
384	40000	0000991-84-4	2,4-Bis(octylthio)-6-(4-hydroxy-3,5-di-tert-butylanilino) -1,3,5-triazine	Yes	SML = 30 mg/kg

386	55280	0001034-01-1	Octyl gallate	No	SMLT = 30 mg/kg. The limit refers to the sum of the substances number MCA 290, 386, 390.
390	55200	0001166-52-5	Dodecyl gallate	No	SMLT = 30 mg/kg. The limit refers to the sum of the substances number MCA 290, 386, 390.
392	72800	0001241-94-7	Diphenyl-2-ethyl-hexyl phosphate	Yes	SML = 2.4 mg/kg
393	37280	0001302-78-9	Bentonite	No	
394	41280	0001305-62-0	Calcium hydroxide	No	
395	41520	0001305-78-8	Calcium oxide	No	
396	64640	0001309-42-8	Magnesium hydroxide	No	
397	64720	0001309-48-4	Magnesium oxide	No	
398	35760	0001309-64-4	Antimony trioxide	No	SML = 0.04 mg/kg (expressed as antimony) The migration limit can be exceeded at a very high temperature.
399	81600	0001310-58-3	Potassium hydroxide	No	
400	86720	0001310-73-2	Sodium hydroxide	No	
402	96240	0001314-13-2	Zinc oxide	No	SMLT = 5 mg/kg (expressed as Zinc)
403	96320	0001314-98-3	Zinc sulphide	No	SMLT = 5 mg/kg (expressed as Zinc)
404	67200	0001317-33-5	Di molybdenum sulphide	No	
406	83300	0001323-39-3	1,2-propylene glycol mono stearate	No	
407	87040	0001330-43-4	Tetra sodium borate	No	SMLT = 6 mg/kg (expressed as boron). The limit refers to the sum of the substances of number MCA 407,583, 584, 599, M86. Compliance with this SMLT does not mean compliance with restrictions established in the regulations for drinking water. Compliance with this SMLT does not mean compliance with restrictions set out in the regulations for coloured and printed materials (Technical Regulations MERCOSUR on Dyes in Containers and Plastic Equipment intended to be in Contact with Foodstuffs)
408	82960	0001330-80-9	1,2-propylene glycol mono oleate	No	
409	62240	0001332-37-2	Iron oxide	No	SMLT = 48 mg/kg (expressed as Iron)
410	62720	0001332-58-7	Kaolin	No	
411	42080	0001333-86-4	Carbon black	No	Primary particles of 10-300 nm added up to a dimension of 100-1,200 nm, which can form agglomerates within a particle size of 300 nm-mm. Substances extractable in toluene: maximum 0.1%, determined according to ISO 6209 method. UV absorption of the 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: maximum 0.25 mg/kg carbon black. Maximum level of use of carbon black in the polymer: 2.5% m/m.
412	45200	0001335-23-5	Copper iodide	No	SMLT = 1 mg/kg (expressed as iodine). The limit refers to the sum of the substances of number MCA 412, 512, 513, 588.
413	35600	0001336-21-6	Ammonium hydroxide	No	
414	87600	0001338-39-2	Sorbitan monolaurate	No	
415	87840	0001338-41-6	Sorbitan monostearate	No	
416	87680	0001338-43-8	Sorbitan monooleate	No	
417	85680	0001343-98-2	Silicic acid	No	
418	34720	0001344-28-1	Aluminium oxide	No	SMLT = 1 mg/kg (expressed as aluminium)
419	92150	0001401-55-4	Tannic acid	No	In accordance with the specifications of JECFA.
422	38515	0001533-45-5	4,4'-Bis(2-benzoxazolyl)stilbene	Yes	SML = 0.05 mg/kg There is a risk of exceeding the SML or the total migration limit in fatty food simulants.
428	95200	0001709-70-2	1,3,5-Trimethyl-2,4,6-tris (3,5-di-tert-butyl-4-hydroxybenzyl) benzene	No	
430	95600	0001843-03-4	1,1,3-Tris (2-methyl-4-hydroxy-5- tert-butylphenyl) butane	Yes	SML = 5 mg/kg
431	61600	0001843-05-6	2-Hydroxy-4-n-octyloxybenzophenone	Yes	SMLT = 6 mg/kg. The limit refers to the sum of substances of number MCA 317, 318, 319, 359, 431, 464.
433	68320	0002082-79-3	3-(3,5-Di-tert-butyl-4-hydroxyphenyl) octadecyl propionate	Yes	SML = 6 mg/kg
441	38160	0002315-68-6	Propyl benzoate	No	
444	61440	0002440-22-4	2-(2'-Hydroxy-5'-methylphenyl) benzotriazole	No	SMLT = 30 mg/kg. The limit refers to the sum of the substances number MCA 444, 469, 470.
445	83440	0002466-09-3	Pyrophosphoric acid	No	
449	49840	0002500-88-1	Di dioctadecyl sulphide	Yes	SML = 0.05 mg/kg
451	66755	0002682-20-4	2-Methyl-4-isothiazolin-3-one	No	SML = 0.5 mg/kg Use only in dispersions and aqueous emulsions of polymers.
452	38885	0002725-22-6	2,4-Bis(2,4-dimethylphenyl)-6- (2-hydroxy-4-n-octyloxyphenyl)-1,3,5-triazine	No	SML = 5 mg/kg
458	36960	0003061-75-4	Behenamide	No	
459	46870	0003135-18-0	3,5-Di-tert-butyl-4-	No	

			hydroxybenzyl-Dioctadecyl phosphonate		
464	61280	0003293-97-8	2-Hydroxy-4-n-hexyloxybenzophenone	Yes	SMLT = 6 mg/kg. The limit refers to the sum of substances of number MCA 317, 318, 319, 359, 431, 464.
465	68040	0003333-62-8	7-[2H-Naphtho-(1,2-D)triazol-2-yl]-3-phenylcoumarin	No	
466	50640	0003648-18-8	Di-n-octyl tin dilaurate	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646, 676, 736.
467	14800 45600	0003724-65-0	Crotonic acid	No	SML = 0.05 mg/kg
468	71960	0003825-26-1	Perfluoro octanoic acid, ammonium salt	No	Use only in objects of repeated use, sintered at high temperatures.
469	60480	0003864-99-1	2-(2'-Hydroxy-3,5'-di-tert-butyl-phenyl) -5-chlorobenzotriazole	Yes	SMLT = 30 mg/kg. The limit refers to the sum of the substances number MCA 444, 469, 470.
470	60400	0003896-11-5	2-(2'-Hydroxy-3'-tert-butyl-5'-methylphenyl) -5-chlorobenzotriazole	Yes	SMLT = 30 mg/kg. The limit refers to the sum of the substances number MCA 444, 469, 470.
472	66560	0004066-02-8	2,2'- Methylenebis (4-methyl-6-cyclohexylphenol)	Yes	SMLT = 3 mg/kg. The limit refers to the sum of the substances of number MCA 137, 472.
474	43600	0004080-31-3	1-(3-Chloroaryl)-3,5,7-triazo-1-azoniaadamantane chloride	No	SML = 0.3 mg/kg
477	46720	0004130-42-1	2,6-Di-tert-butyl-4-ethylphenol	Yes	SML = 4.8 mg/kg
478	60180	0004191-73-5	Isopropyl 4-hydroxybenzoate	No	
480	46790	0004221-80-1	2,4-di-3,5-Di-tert-butyl-4-hydroxybenzoate tert-butylphenyl	No	
483	68860	0004724-48-5	N-octyl phosphonic acid	No	SML = 0.05 mg/kg
486	54005	0005136-44-7	Ethylene-N-palmitamide-N'-stearamide	No	
487	45640	0005232-99-5	Ethyl 2-cyano-3,3-diphenylacrylate diphenyl acrylate	No	SML = 0.05 mg/kg
488	53440	0005518-18-3	N,N'-Ethylene-bis-palmitamide	No	
489	41040	0005743-36-2	Calcium butyrate	No	
491	82720	0006182-11-2	Di 1,2-propylene glycol stearate	No	
492	45650	0006197-30-4	2-ethylhexyl acid ester 2-cyano-3,3-diphenylacrylic	No	SML = 0.05 mg/kg

493	39200	0006200-40-4	Bis (2-hydroxyethyl) -2-hydroxypropyl -3 - (dodecyl oxy) methylammonium chloride	No	SML = 1.8 mg/kg
494	62140	0006303-21-5	Hypo phosphorous acid	No	
495	35160	0006642-31-5	6-Amino-1,3-dimethyluracil	No	SML = 5 mg/kg
496	71680	0006683-19-8	Pentaerythritol tetrakis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate	No	
497	95020	0006846-50-0	2,2,4-Trimethyl-1,3-pentanediol diisobutyrate	No	SML = 5 mg/kg Use only in disposable gloves.
499	19965 65020	0006915-15-7	Malic acid	No	
500	38560	0007128-64-5	2,5-Bis(5-tert-butyl-2-benzoxazolyl)thiophene	Yes	SML = 0.6 mg/kg
501	34480	—	Aluminium (fibres, flakes, powders)	No	SMLT = 1 mg/kg (expressed as aluminium)
503	46080	0007585-39-9	β-Dextrin	No	
504	86240	0007631-86-9	Silicon dioxide	No	For synthetic amorphous silicon dioxide: primary particles of 1-100 nm added up to 0.1-1 µm, which can form agglomerates within a particle size of 0.3 µm-mm.
505	86480	0007631-90-5	Sodium bisulphite	No	SMLT = 10 mg/kg (expressed as SO ₂). The limit refers to the sum of the substances number MCA 505, 516, 519.
506	86920	0007632-00-0	Sodium nitrite	No	SML = 0.6 mg/kg
507	59990	0007647-01-0	Hydrochloric acid	No	
508	86560	0007647-15-6	Sodium bromide	No	
509	23170 72640	0007664-38-2	Phosphoric acid	No	
510	12789 35320	0007664-41-7	Ammonia	No	
511	91920	0007664-93-9	Sulphuric acid	No	
512	81680	0007681-11-0	Potassium iodide	No	SMLT = 1 mg/kg (expressed as iodine). The limit refers to the sum of the substances of number MCA 412, 512, 513, 588.
513	86800	0007681-82-5	Sodium iodide	No	SMLT = 1 mg/kg (expressed as iodine). The limit refers to the sum of the substances of number MCA 412, 512, 513, 588.
514	91840	0007704-34-9	Sulphur	No	
515	26360 95855	0007732-18-5	Water	No	In accordance with current legislation for drinking water.
516	86960	0007757-83-7	Sodium sulphite	No	SMLT = 10 mg/kg (expressed as SO ₂). The limit refers to the sum of the substances number MCA 505, 516, 519.
517	81520	0007758-02-3	Potassium bromide	No	
518	35845	0007771-44-0	Arachidonic acid	No	
519	87120	0007772-98-7	Sodium thiosulphate	No	SMLT = 10 mg/kg (expressed as SO ₂). The limit refers to the sum of the substances number MCA 505, 516, 519.

520	65120	0007773-01-5	Manganese chloride	No	SMLT = 0.6 mg/kg (expressed as manganese)
521	58320	0007782-42-5	Graphite	No	
523	45195	0007787-70-4	Copper bromide	No	SMLT = 5 mg/kg (expressed as copper)
525	62640	0008001-39-6	Japanese wax	No	
526	43440	0008001-75-0	Ceresin	No	
527	14411	0008001-79-4	Castor oil	No	
	42880				
528	63760	0008002-43-5	Lecithin	No	
529	67850	0008002-53-7	Montana Wax	No	
530	41760	0008006-44-8	Candelilla wax	No	
531	36880	0008012-89-3	Bee wax	No	
532	88640	0008013-07-8	Epoxidization soybean oil	No	SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69. It must meet the following requirements: -Oxygenic oxygen <8%; - Iodine index <6. In addition, in the case of PVC joints used to seal packages containing food for children from 0 to 3 years of age, the SML = 30 mg/kg must be met.
533	42720	0008015-86-9	Carnauba wax	No	
534	80720	0008017-16-1	Polyphosphoric acids	No	
535	24100	0008050-09-7	Rosin	No	
	24130				
	24190				
	83840				
536	84320	0008050-15-5	Methanol hydrogenated rosin ester	No	
537	84080	0008050-26-8	Rosin ester with pentaerythritol	No	
538	84000	0008050-31-5	Rosin ester with glycerol	No	
540	63940	0008062-15-5	Lignosulphonic acid	No	SML = 0.24 mg/kg Use only as dispersant for plastic dispersions.
541	58480	0009000-01-5	Arabic gum	No	
542	42640	0009000-11-7	Carboxymethyl cellulose	No	
543	45920	0009000-16-2	Dammar	No	
544	58400	0009000-30-0	Guar gum	No	
545	93680	0009000-65-1	Tragacanth gum	No	
546	71440	0009000-69-5	Pectin	No	
547	55440	0009000-70-8	Gelatine	No	
548	42800	0009000-71-9	Casein	No	
549	80000	0009002-88-4	Polyethylene wax	No	
550	81060	0009003-07-0	Polypropylene wax	No	

551	79920	0009003-11-6 0106392-12-5	Poly (ethylene propylene) glycol	No	
552	81500	0009003-39-8	Polyvinylpyrrolidone	No	It must meet the following purity specifications: - Water: No more than 5% m/m (Karl Fischer) - Total ashes: No more than 0.1% m/m - Aldehyde: No more than 500 mg/kg (expressed as acetaldehyde) - Free N-Vinylpyrrolidone: No more than 10 mg/kg - Hydrazine: No more than 1 mg/kg - Lead: No more than 5 mg/kg
553	14500 43280	0009004-34-6	Cellulose	No	
554	43300	0009004-36-8	Cellulose acetobutyrate	No	
555	53280	0009004-57-3	Ethyl cellulose	No	
556	54260	0009004-58-4	Ethyl hydroxyethyl cellulose	No	
557	66640	0009004-59-5	Methyl cellulose	No	
558	60560	0009004-62-0	Hydroxyethyl cellulose	No	
559	61680	0009004-64-2	Hydroxypylcellulose	No	
560	66700	0009004-65-3	Methyl hydroxypropyl cellulose	No	
561	66240	0009004-67-5	Methylcellulose	No	
563	78320	0009004-97-1	Polyethylene glycol monoricinoleate	Yes	SML = 42 mg/kg
564	24540 88800	0009005-25-8	Starch, food grade	No	
565	61120	0009005-27-0	Hydroxyethyl starch	No	
566	33350	0009005-32-7	Alginic acid	No	
567	82080	0009005-37-2	1,2-propylene glycol alginate	No	
568	79040	0009005-64-5	Polyethylene glycol sorbitan monolaurate	No	
569	79120	0009005-65-6	Polyethylene glycol sorbitan monooleate	No	
570	79200	0009005-66-7	Polyethylene glycol sorbitan monopalmitate	No	
571	79280	0009005-67-8	Polyethylene glycol sorbitan monostearate	No	
572	79360	0009005-70-3	Polyethylene glycol sorbitan trioleate	No	
573	79440	0009005-71-4	Polyethylene glycol sorbitan tristearate	No	
574	24250 84560	0009006-04-6	Natural rubber	No	
575	76721	0063148-62-9	Polydimethylsiloxane (PM> 6800 Da)	No	Viscosity at 25 °C not less than 100 cSt (100 × 10 ⁻⁶ m ² /s).

576	60880	0009032-42-2	Hydroxyethyl methylcellulose	No	
577	62280	0009044-17-1	Isobutylene butene copolymer	No	
578	79600	0009046-01-9	Polyethylene glycol tridecyl ether phosphate	No	<p>SML = 5 mg/kg</p> <p>Only for materials and objects intended to come into contact with aqueous foods.</p> <p>Polyethylene glycol phosphate (EO ≤ 11) tridecyl ether (monoalkyl and dialkyl ester) with a maximum polyethylene glycol (EO ≤ 11) tridecyl ether content of 10%.</p>
579	61800	0009049-76-7	Hydroxypropyl starch	No	
580	46070	0010016-20-3	α- Dextrin	No	
581	36800	0010022-31-8	Barium nitrate	No	SMLT = 1 mg/kg (expressed as barium)
582	50240	0010039-33-5	Di-n-octyl tin bis (2-ethylhexyl maleate)	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646, 676, 736.
583	40400	0010043-11-5	Boron nitride	No	<p>SMLT = 6 mg/kg (expressed as boron). The limit refers to the sum of the substances of number MCA 407,583, 584, 599, M86.</p> <p>Compliance with this SMLT does not mean compliance with restrictions established in the regulations for drinking water.</p> <p>Compliance with this SMLT does not mean compliance with restrictions established in the regulations for coloured and printed materials (MERCOSUR Technical Regulation on Colourants in Packaging and Plastic Equipment that come into Contact with Food).</p>
584	13620 40320	0010043-35-3	Boric acid	No	<p>SMLT = 6 mg/kg (expressed as boron). The limit refers to the sum of the substances of number MCA 407,583, 584, 599, M86.</p> <p>Compliance with this SMLT does not mean compliance with restrictions established in the regulations for drinking water</p> <p>Compliance with this SMLT does not mean compliance with restrictions established in the regulation for coloured and printed materials (MERCOSUR Regulation on Colourants in Plastic Packaging and Equipment that come into Contact with Food).</p>
585	41120	0010043-52-4	Calcium chloride	No	
586	65280	0010043-84-2	Manganese hypophosphite	No	SMLT = 0.6 mg/kg (expressed as manganese)
587	68400	0010094-45-8	Octadecylrucamide	Yes	SML = 5 mg/kg
588	64320	0010377-51-2	Lithium iodide	No	SMLT = 1 mg/kg (expressed as iodine). The limit refers to the sum of the substances of number MCA 412, 512, 513, 588.
589	52645	0010436-08-5	cis-11-Eicosenamide	No	
591	36160	0010605-09-1	Ascorbyl stearate	No	
592	34690	0011097-59-9	Magnesium and aluminium	No	

			hydroxycarbonate		
593	44960	0011104-61-3	Cobalt oxide	No	SMLT = 0.05 mg/kg (expressed as cobalt)
594	65360	0011129-60-5	Manganese oxide	No	SMLT = 0.6 mg/kg (expressed as manganese)
596	95935	0011138-66-2	Xanthan gum	No	
597	67120	0012001-26-2	Mica	No	It must comply with the SMLT of metals established in item 4.3.b.
598	41600	0012004-14-7 0037293-22-4	Calcium sulphoaluminate	No	SMLT = 1 mg/kg (expressed as aluminium)
599	36840	0012007-55-5	Barium tetraborate	No	SMLT = 6 mg/kg (expressed as boron). The limit refers to the sum of the substances of number MCA 407,583, 584, 599, M86. Compliance with this SMLT does not mean compliance with restrictions established in the regulations for drinking water. Compliance with this SMLT does not mean compliance with restrictions established in the regulations for coloured and printed materials (MERCOSUR Technical Regulations on Dyes in Packaging and Plastic Equipment intended to be in Food Contact) SMLT = 1 mg/kg (expressed as Barium)
600	60030	0012072-90-1	Hydromagnesite	No	
601	35440	0012124-97-9	Ammonium bromide	No	
602	70240	0012198-93-5	Ozocerite	No	
603	83460	0012269-78-2	Pyrophyllite	No	
604	60080	0012304-65-3	Hydrotalcite	No	
606	65200	0012626-88-9	Manganese hydroxide	No	SMLT = 0.6 mg/kg (expressed as manganese)
607	62245	0012751-22-3	Iron phosphide	No	Use only in PET polymers and copolymers. SMLT = 48 mg/kg (expressed as iron)
608	40800	0013003-12-8	4,4 '- Butylidobis (6-tert-butyl- 3-methylphenyl-ditridecyl phosphite)	Yes	SML = 6 mg/kg
609	83455	0013445-56-2	Pyro phosphorous acid	No	
610	93440	0013463-67-7	Titanium dioxide	No	
611	35120	0013560-49-1	Di 3-aminocrotonic acid ester with thio ether bis (2-hydroxyethyl)	No	
613	95905	0013983-17-0	Wollastonite	No	
614	45560	0014464-46-1	Cristobalite	No	
615	92080	0014807-96-6	Talc	No	
616	83470	0014808-60-7	Quartz	No	
618	51040	0015535-79-2	Thioglycolate of di-n-octyl tin	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646, 676, 736.
619	50320	0015571-58-1	Di-n-octyl tin bis (2-ethylhexyl thioglycolate)	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646,

					676, 736.
620	50720	0015571-60-5	Dimaleate of di-n-octyl tin	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646, 676, 736.
622	69840	0016260-09-6	Oleylpalmitamide	Yes	SML = 5 mg/kg
623	52640	0016389-88-1	Dolomite	No	
625	36720	0017194-00-2	Barium hydroxide	No	SMLT = 1 mg/kg (expressed as barium)
626	57800	0018641-57-1	Glycerol tribehenate	No	
627	59760	0019569-21-2	Huntite	No	
628	96190	0020427-58-1	Zinc hydroxide	No	SMLT = 5 mg/kg (expressed as zinc)
629	34560	0021645-51-2	Aluminum hydroxide	No	SMLT = 1 mg/kg (expressed as aluminium)
630	82240	0022788-19-8	1,2-Propylene glycol dilaurate	No	
631	59120	0023128-74-7	1,6-Hexamethylenebis [3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionamide]	Yes	SML = 45 mg/kg
632	52880	0023676-09-7	Ethyl 4-ethoxybenzoate	No	SML = 3.6 mg/kg
633	53200	0023949-66-8	2-Ethoxy-2'-ethylxanilide	Yes	SML = 30 mg/kg
635	40720	0025013-16-5	tert-Butyl-4-hydroxyanisole	No	SML = 30 mg/kg
636	31500	0025134-51-4	Acrylic acid and 2-ethylhexyl acrylate copolymer	No	SML = 0.05 mg/kg (expressed as 2-ethylhexyl acrylate). SMLT = 6 mg/kg (expressed as acrylic acid). The limit refers to the sum of the substances of number MCA 70, 147, 176, 218, 323, 325, 365, 371, 380, 425, 446, 448, 456, 636.
637	71635	0025151-96-6	Pentaerythritol dioleate	No	SML = 0.05 mg/kg Do not use for objects in contact with fatty foods.
638	23590 76960	0025322-68-3	Polyethylene glycol	No	
639	23651 80800	0025322-69-4	Polypropylene glycol	No	
640	54930	0025359-91-5	Formaldehyde-1-Naphthol copolymer	No	SML = 0.05 mg/kg
642	64990	0025736-61-2	Sodium salt of styrene and maleic anhydride copolymer	No	The fraction with a molecular mass of less than 1000 Da should not exceed 0.05% (m/m).
643	87760	0026266-57-9	Sorbitan monopalmitate	No	
644	88080	0026266-58-0	Sorbitan trioleate	No	
645	67760	0026401-86-5	Mono-n-octyl tin tris (isooctyl thioglycolate)	No	SMLT = 1.2 mg/kg (expressed as tin). The limit refers to the sum of the substances number MCA 66, 645, 657.
646	50480	0026401-97-8	Di-n-octyl tin bis (isooctyl thioglycolate)	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646, 676, 736.
647	56720	0026402-23-3	Glycerol monohecanoate	No	
648	56880	0026402-26-6	Glycerol monooctanoate	No	

649	47210	0026427-07-6	Dibutylthioestannic acid polymer	No	Molecular unit = (C ₈ H ₁₈ S ₃ Sn ₂) _n (n = 1.5-2).
650	49600	0026636-01-1	Dimethyl tin bis (isooctyl thioglycolate)	No	SMLT = 0.18 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 650, 695, 697, 698, 726.
651	88240	0026658-19-5	Sorbitan tristearate	No	
652	38820	0026741-53-7	Bis (2,4-di-tert-butylphenyl) pentaerythritol diphosphite	Yes	SML = 0.6 mg/kg
654	88600	0026836-47-5	Sorbitol mono stearate	No	
657	67680	0027107-89-7	Mono-n-octyltin tris (2-ethylhexyl thioglycolate)	No	SMLT = 1.2 mg/kg (expressed as tin). The limit refers to the sum of the substances number MCA 66, 645, 657.
658	52000	0027176-87-0	Dodecyl benzenesulphonic acid	No	SML = 30 mg/kg
659	82800	0027194-74-7	1,2-Propylene glycol monolaurate	No	
660	47540	0027458-90-8	Di-tert-dodecyl sulphide	Yes	SML = 0.05 mg/kg
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	SML = 5 mg/kg
663	64150	0028290-79-1	Linoleic acid	No	
664	95000	0028931-67-1	Trimethylolpropane and methyl methacrylate trimethacrylate copolymer	No	
665	83120	0029013-28-3	1,2-propylene glycol monopalmitate	No	
666	87280	0029116-98-1	Sorbitan dioleate	No	
667	55190	0029204-02-2	Gadoleic acid	No	
668	80240	0029894-35-7	Polyglycerol ricinoleate	No	
669	56610	0030233-64-8	Glycerol monobehenate	No	
670	56800	0030899-62-8	Glycerol acetate monolaurate	No	SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.
671	74240	0031570-04-4	Tris (2,4-di-tert-butylphenyl) phosphite	No	
672	76845	0031831-53-5	1,4-butanediol polyester with caprolactone	No	SMLT = 0.05 mg/kg (expressed as the sum of 6-hydroxyhexanoic acid and caprolactone). The limit refers to the sum of the substances of number MCA 342, 672. SMLT = 5 mg/kg (expressed as 1,4-butanediol). The limit refers to the sum of the substances of number MCA 254.344, 672. The fraction with a molecular mass of less than 1000 Da should not exceed 0.5% (m/m).

673	53670	0032509-66-3	Ethylene glycol bis [3,3-bis (3-tert-butyl-4-hydroxyphenyl) butyrate]	Yes	SML = 6 mg/kg
674	46480	0032647-67-9	Dibenzylidensorbitol	No	
675	38800	0032687-78-8	N,N'-Bis [3-(3,5-di-tert-butyl-4- hydroxyphenyl) propionyl] hydrazide	Yes	SML = 15 mg/kg
676	50400	0033568-99-9	Di-n-octyltin bis (isooctylmaleate)	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646, 676, 736.
677	82560	0033587-20-1	1,2-Propylene glycol dipalmitate	No	
678	59200	0035074-77-2	1,6-Hexamethylene-bis [3-(3,5-di-tert-butyl-4- hydroxyphenyl) propionate]	Yes	SML = 6 mg/kg
679	39060	0035958-30-6	1,1-Bis (2-hydroxy-3,5-di-tert-butylphenyl)ethane	Yes	SML = 5 mg/kg
680	94400	0036443-68-2	Triethylene glycol bis [3- (3-di-tert-butyl-4-hydroxy-5-methylphenyl) propionate]	No	SML = 9 mg/kg
682	53270	0037205-99-5	Ethyl carboxymethyl cellulose	No	
683	66200	0037206-01-2	Methylcarboxymethyl cellulose	No	
684	68125	0037244-96-5	Nepheline syenite	No	
685	85950	0037296-97-2	Magnesium sodium fluoride silicate	No	SMLT = 0.15 mg/kg (expressed as fluoride). Use only in layers of multilayer materials that do not come into direct contact with food.
686	61390	0037353-59-6	Hydroxymethyl cellulose	No	
688	92560	0038613-77-3	Tetrakis diphosphonite (2,4-di-tert-butylphenyl) -4-4'-biphenylene	Yes	SML = 18 mg/kg
689	95280	0040601-76-1	1,3,5-Tris (4-tert-butyl-3-hydroxy-2,6-dimethylbenzyl) - 1,3,5-triazine-2,4,6 (1H, 3H, 5H) -trione	Yes	SML = 6 mg/kg
690	92880	0041484-35-9	Thioethanol Bis [3- (3,5-di-tert-butyl-4- hydroxyphenyl) propionate]	Yes	SML = 2.4 mg/kg
692	52320	0052047-59-3	2- (4-Dodecylphenyl) indole	Yes	SML = 0.06 mg/kg
693	88160	0054140-20-4	Sorbitan tripalmitate	No	
695	67520	0054849-38-6	Monomethyl tin tris (isooctyl	No	SMLT = 0.18 mg/kg (expressed as tin). The limit refers to the sum of the

			thioglycolate)		substances of number MCA 650, 695, 697, 698, 726.
696	92205	0057569-40-1	Di terephthalic acid ester with 2,2'- methylenebis (4-methyl-6- tert-butylphenol)	No	
697	67515	0057583-34-3	Monomethyl tin tris (ethylhexyl thioglycolate)	No	SMLT = 0.18 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 650, 695, 697, 698, 726.
698	49595	0057583-35-4	Bis (ethylhexyl thioglycolate) of dimethyl tin	No	SMLT = 0.18 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 650, 695, 697, 698, 726.
699	90720	0058446-52-9	Stearoylbenzoylmethane	No	
700	31520	0061167-58-6	2-tert-Butyl-6- (3- tert-butyl-2-hydroxy-5-methylbenzyl) -4-methylphenyl acrylate	Yes	SML = 6 mg/kg
701	40160	0061269-61-2	Copolymer N, N'-bis (2,2,6,6-tetramethyl-4-piperidyl) hexamethylenediamine-1,2-dibromoethane	No	SML = 2.4 mg/kg
702	87920	0061752-68-9	Sorbitan tetrastearate	No	
704	77600	0061788-85-0	Polyethylene glycol ester with hydrogenated castor oil	No	
707	46375	0061790-53-2	Diatomaceous earth	No	
708	77520	0061791-12-6	Polyethylene glycol ester with castor oil	No	SML = 42 mg/kg
709	87520	0062568-11-0	Sorbitan monobehenate	No	
710	38700	0063397-60-4	Bis (2-carbobutoxyethyl) tin bis (isooctyl thioglycolate)	Yes	SML = 18 mg/kg
711	42000	0063438-80-2	(2-carbobutoxyethyl) tin tris (isooctyl thioglycolate)	Yes	SML = 30 mg/kg
712	42960	0064147-40-6	Dehydrated castor oil	No	
713	43480	0064365-11-3	Activated carbon	No	Only for use in PET up to 10 mg/kg of polymer. The same purity requirements as those established for charcoal (INS 153) as a food colouring additive, with the exception of the ash content, which can reach 10% (m/m).
714	84400	0064365-17-9	Hydrogenated rosin ester with pentaerythritol	No	
715	46880	0065140-91-2	Monoethyl 3,5-Di-tert-butyl-4- hydroxybenzyl phosphonate, calcium salt	No	SML = 6 mg/kg
716	60800	0065447-77-0	Copolymer 1- (2-hydroxyethyl) - 4-hydroxy-2,2,6,6-	No	SML = 30 mg/kg

			dimethyl tetramethylpiperidine-succinate		
717	84210	0065997-06-0	Hydrogenated rosin	No	
718	84240	0065997-13-9	Hydrogenated rosin ester with glycerol	No	
719	65920	0066822-60-4	Copolymers of N-methacryloxyethyl-N, N-dimethyl-N-carboxymethyl ammonium chloride, sodium salt-octadecyl methacrylate-ethyl methacrylate-cyclohexyl-N-vinyl-2-pyrrolidone methacrylate	No	
720	67360	0067649-65-4	Mono-n-dodecyl tin tris (isooctyl thioglycolate)	No	SMLT = 0.05 mg/kg (sum of tris (isooctyl thioglycolate) of mono-n-dodecyl tin, bis (isooctyl thioglycolate) of di-n-dodecyl tin, mono-dodecyl trichloride tin and di dichloride -dodecyl tin, expressed as the sum of mono- and di-chloride dodecyl tin). The limit refers to the sum of the substances of number MCA 720, 747.
721	46800	0067845-93-6	Hexadecyl 3,5-Di-tert-butyl-4-hydroxybenzoate	No	
723	88880	0068412-29-3	Hydrolysed starch	No	
726	83599	0068442-12-6	Reaction products of 2-mercaptoethanol oleate with dichlorodimethyl tin, sodium sulphide and trichloromethyl tin	Yes	SMLT = 0.18 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 650, 695, 697, 698, 726.
727	43360	0068442-85-3	Regenerated cellulose	No	
728	75100	0068515-48-0 0028553-12-0	Di esters of phthalic acid with branched alcohols primary, saturated C8 - C10, more than 60% C9	No	SMLT = 9 mg/kg. The limit refers to the sum of the substances of number MCA 728, 729. SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69. Use only as: a) plasticizer in materials and objects of repeated use; b) plasticizer in single-use materials and objects that are in contact with non-fatty foods, except those prepared for children from 0 to 3 years of age, as defined in the specific regulations; c) as a technological process aid agent in concentrations of up to 0.1% in the final product. They cannot be used as substances or constituents of preparations in

					concentrations greater than 0.1% by mass of plasticization material, in plastic materials in contact with food for children aged 0 to 3 years.
729	75105	0068515-49-1 0026761-40-0	Di esters of phthalic acid with primary alcohols, saturated C9-C11, more than 90% C10	No	<p>SMLT = 9 mg/kg. The limit refers to the sum of the substances of number MCA 728, 729.</p> <p>SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.</p> <p>Use only as:</p> <ul style="list-style-type: none"> a) plasticizer in materials and objects of repeated use; b) plasticizer in single-use materials and objects that are in contact with non-fatty foods, except those prepared for children from 0 to 3 years of age, as defined in the specific regulations; c) as a technological process aid agent in concentrations of up to 0.1% in the final product. <p>They cannot be used as substances or constituents of preparations in concentrations greater than 0.1% by mass of plasticization material, in plastic materials in contact with food for children aged 0 to 3 years.</p>
730	66930	0068554-70-1	Methylsilsesquioxane	No	It must contain less than 1 mg of methyltrimethoxysilane / kg of methylsilsesquioxane as a residual monomer.
732	45450	0068610-51-5	P-cresol copolymer - dicyclopentadiene-isobutylene	Yes	SML = 5 mg/kg
734	46380	0068855-54-9	Calcined diatomaceous earth with sodium carbonate flux	No	
735	40120	0068951-50-8	Bis(polyethylene glycol) hydroxymethyl phosphonate	No	SML = 0.6 mg/kg
736	50960	0069226-44-4	Di-n-octyltin ethylene glycol bis (thioglycolate)	No	SMLT = 0.006 mg/kg (expressed as tin). The limit refers to the sum of the substances of number MCA 28, 29, 30, 31, 32, 33, 466, 582, 618, 619, 620, 646, 676, 736.
737	77370	0070142-34-6	Polyethylene glycol-30 dipolyhydroxystearate	No	
738	60320	0070321-86-7	2- [2-Hydroxy-3,5-bis (1,1-dimethylbenzyl) phenyl] benzotriazole	Yes	SML = 1.5 mg/kg
739	70000	0070331-94-1	2,2'-Oxamidobis [ethyl-3- (3,5-di-tert-butyl-4- hydroxyphenyl) propionate]	No	
740	81200	0071878-19-8	Poly[6-[(1,1,3,3-tetramethylbutyl)amino] -1,3,5-triazine-2,4-diyl]-[(2,2,6,6-tetramethyl-4-piperidyl)-	Yes	SML = 3 mg/kg

			amino]-hexamethylene- [(2,2,6,6- tetramethyl-4- piperidyl)imino]		
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741	24070 83610	0073138-82-6	Rosin acids	No	
742	92700	0078301-43-6	2,2,4,4-tetramethyl-20- (2,3- epoxypropyl) -7-oxa-3,20- diazadiespiro polymer - [5.1.11.2]-heneicosan-21-one	Yes	SML = 5 mg/kg
743	38950	0079072-96-1	Bis (4-ethylbenzylidene) sorbitol	No	
745	68145	0080410-33-9	2,2', 2'-Nitrile [triethyl tris (3,3' , 5,5'- tetra-tert-butyl-1,1'- biphenyl-2,2'-diyl) phosphite]	Yes	SML = 5 mg/kg (expressed as the sum of phosphite and phosphate).
746	38810	0080693-00-1	Bis (2,6-di-tert-butyl-4- methylphenyl) pentaerythritol diphosphite	Yes	SML = 5 mg/kg (expressed as the sum of phosphite and phosphate).
747	47600	0084030-61-5	Bis (isooctyl thioglycolate) of di- n-dodecyl tin	Yes	SMLT = 0.05 mg/kg (sum of tris (isooctyl thioglycolate) of mono-n-dodecyl tin, bis (isooctyl thioglycolate) of di-n-dodecyl tin, mono-dodecyl tin trichloride and di-dodecyl tin dichloride, expressed as the sum of mono- and di-dodecyl tin chloride). The limit refers to the sum of the substances of number MCA 720, 747.
749	66360	0085209-91-2	2-2'-Methylene-bis (4,6-di-tert- butylphenyl) sodium phosphate	Yes	SML = 5 mg/kg
750	66350	0085209-93-4	2-2'-Methylene-bis (4,6-di-tert- butylphenyl) lithium phosphate	No	SML = 5 mg/kg
751	81515	0087189-25-1	Poly (zinc glycerolate)	No	SMLT = 5 mg/kg (expressed as zinc)
752	39890	0087826-41-3 0069158-41-4 0054686-97-4 0081541-12-0	Bis (methyl benzylidene) sorbitol	No	
753	62800	0092704-41-1	Calcined kaolin	No	
754	56020	0099880-64-5	Glycerol dibehenate	No	
756	40020	0110553-27-0	2,4-Bis(octylthiomethyl)-6- methylphenol	Yes	SMLT = 5 mg/kg. The limit refers to the sum of the substances of number MCA 756, 758.
757	95725	0110638-71-6	Vermiculite, reaction product with lithium citrate.	No	SMLT = 0.6 mg/kg (expressed as lithium).
758	38940	0110675-26-8	2,4-Bis (dodecylthiomethyl)-6- methylphenol	Yes	SMLT = 5 mg/kg. The limit refers to the sum of the substances of number MCA 756, 758.
759	54300	0118337-09-0	2,2'-Ethylidenbis (4,6-di-tert- butylphenyl) fluorophosphonite	Yes	SML = 6 mg/kg

760	83595	0119345-01-6	Reaction product of di-tert-	No	SML = 18 mg/kg
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			butylphosphonite with biphenyl, obtained by condensation of 2,4-di-tert-		Composition: - 4,4'-Biphenylene-bis [0,0-bis (2,4-di-tert-butylphenyl) phosphonite] (CAS 38613-77-3) (36-46
			butylphenol with the product of a Friedel Crafts reaction of phosphorus trichloride and biphenyl.		% m/m (*)), - 4,3'-Biphenylene-bis [0,0-bis (2,4-di-tert-butylphenyl) phosphonite] (CAS 118421-00-4) (17-23 % m/m) (*); - 3,3'-Biphenylene-bis [0,0-bis (2,4-di-tert-butylphenyl) phosphonite] (CAS 118421-01-5) (1-5 % m/m) (*); - 4-Biphenylene-0,0-bis (2,4-di-tert-butylphenyl) phosphonite (CAS 91362-37-7) (11-19% m/m) (*), - Tris (2,4-di-tert-butylphenyl) phosphite (CAS 31570-04-4) (9-18% m/m) (*), - 4,4'-Biphenylene-0,0-bis (2,4-di-tert-butylphenyl) phosphonate-0,0-bis (2,4-di-tert-butylphenyl) phosphonite (CAS 112949-97-0) (<5% m/m) (*). (*) mass of substance used/formulation mass. Other specifications: - Phosphorus content: min. 5.4%, max. 5.9% - Acidity index : max. 10 mgKOH/g - Melting range: 85-110 °C.
761	92930	0120218-34-0	Thioethanolbis (5-methoxycarbonyl- 2,6-dimethyl-1,4-dihydropyridine-3- carboxylate)	No	SML = 6 mg/kg
762	31530	0123968-25-2	2,4-di-tert-pentyl-6- acrylate [1-(3,5-di-tert-pentyl-2-hydroxyphenyl) ethyl] phenyl	Yes	SML = 5 mg/kg
763	39925	0129228-21-3	3,3-Bis(methoxymethyl) -2,5- dimethyl-hexane	Yes	SML = 0.05 mg/kg
765	49485	0134701-20-5	2,4-Dimethyl-6-(1-methylpentadecyl) phenol	Yes	SML = 1 mg/kg
766	38879	0135861-56-2	Bis (3,4-dimethylbenzylidene) sorbitol	No	
767	38510	0136504-96-6	1,2-Bis (3-aminopropyl) ethylenediamine, polymer with N-butyl-2,2,6,6-tetramethyl-4-piperidinamine and 2,4,6-trichloro-1,3,5-triazine	No	SML = 5 mg/kg

768	34850	0143925-92-2	Amines, oxidization bis	No	Only for use in:
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			(hydrogenated tallow alkyl)		a) polyolefins $\leq 0.1\%$ (m/m) and b) PET $\leq 0.25\%$ (m/m) Do not use for objects in contact with fatty foods.
769	74010	0145650-60-8	Bis (2,4-di-tert-butyl-6-methylphenyl) ethyl phosphite	Yes	SML = 5 mg/kg (expressed as the sum of phosphite and phosphate).
770	51700	0147315-50-2	2-(4,6-Diphenyl-1,3,5-triazine-2-yl)-5-(hexyloxy)phenol	No	SML = 0.05 mg/kg
771	34650	0151841-65-5	Aluminum hydroxybis [2,2'-methylenebis (4,6-di-tert-butylphenyl) phosphate]	No	SML = 5 mg/kg
772	47500	0153250-52-3	N,N'-Dicyclohexyl-2,6-naphthalene dicarboxamide	No	SML = 5 mg/kg
773	38840	0154862-43-8	Bis (2,4-dicumylphenyl) pentaerythritol diphosphite	Yes	SML = 5 mg/kg (expressed as the sum of the substance itself, its oxidised form [bis (2,4- dicumyl phenyl) pentaerythritol phosphate] and its hydrolysis product (2,4-dicumyl phenol).
774	95270	0161717-32-4	2,4,6-Tris (tert-butyl) phenyl-2-butyl-2-ethyl-1,3-propanediol phosphite	Yes	SML = 2 mg/kg (expressed as sum of phosphite, phosphate and hydrolysis product = TTBP).
775	45705	0166412-78-8	1,2-cyclohexanedicarboxylic acid, diisononyl ester	No	SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.
776	76723	0167883-16-1	Polydimethylsiloxane 3-terminal aminopropyl, polymer with dicyclohexylmethane-4,4'-diisocyanate	No	The fraction with a molecular mass of less than 1000 Da should not exceed 1.5 % (m/m).
777	31542	0174254-23-0	Methyl acrylate, telomere with 1-dodecanethiol, alkyl esters C16 -C18	No	CL = 0.5% m/m in the PT.
778	71670	0178671-58-4	Tetrakis (2-cyano-3,3-diphenyl acrylate) of pentaerythritol	Yes	SML = 0.05 mg/kg
779	39815	0182121-12-6	9,9-Bis (methoxymethyl) fluorene	Yes	SML = 0.05 mg/kg There is a risk of exceeding the SML or the TML in fatty food simulants.
780	81220	0192268-64-7	Poly-[[6-[N-(2,2,6,6-tetramethyl-4- piperidiny) -n-butylamino]-1,3,5-triazine-2,4-diyl] [2,2,6,6- tetramethyl-4-piperidiny)imino]-1,6-hexanediyl [2,2,6,6-tetramethyl-4-piperidiny)imino]]- α -[N,N,N',	No	SML = 5 mg/kg

			N'-tetrabutyl-N'-(2,2,6,6-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	0227099-60-7	1,3,5-Tris (4-benzoylphenyl) benzene	No	SML = 0.05 mg/kg
782	76725	0661476-41-1	Polydimethylsiloxane 3-Terminal aminopropyl, polymer	No	The fraction with a molecular mass of less than 1000 Da should not exceed 1 % (m/m).

			with 1-isocyanate-3-isocyanatomethyl-3,5,5-trimethyl cyclohexane		
783	55910	0736150-63-3	Glycerides, monohydrogenated castor oil, acetates	No	SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.
784	95420	0745070-61-5	1,3,5-Tris(2,2-dimethylpropanamide) benzene	No	SML = 0.05 mg/kg
789	60027	—	Homopolymers and/or hydrogenated copolymers composed of 1-hexene and/or 1-octene and/or 1-decene and/or 1-dodecene and/or 1-tetradecene (Molecular mass: 440-12,000)	No	Average molecular mass not less than 440 Da. Viscosity at 100 °C not less than 3.8 cSt (3.8 x 10 ⁻⁶ m ² /s). There is a risk of exceeding the SML or the TML in fatty food simulants.
790	80480	0090751-07-8 0082451-48-7	Poly (6-morpholino-1,3,5-triazine-2,4-diyl)- [(2,2,6,6-tetramethyl-4-piperidyl) imino]]-hexamethylene- [(2,2,6,6-tetramethyl-4-piperidyl)imino]]	No	SML = 5 mg/kg Average molecular mass not less than 2400 Da. Residual content of morpholine ≤ 30 mg/kg, N,N'-bis (2,2,6,6-tetramethylpiperidine-4-yl) hexane-1,6-diamine <15,000 mg/kg, and 2,4-dichloro-6-morpholino-1,3,5-triazine ≤ 20 mg/kg. There is a risk that the SML will be exceeded from the low density polyethylene (LDPE) containing more than 0.3% m/m of the substance, when in contact with fatty foods.
791	92470	0106990-43-6	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	No	SML = 0.05 mg/kg
792	92475	0203255-81-6	3,3',5,5'-Tetrakis (tert-butyl) 2,2'-dihydroxydiphenyl, cyclic ester with [3- (3-tert-butyl-4-hydroxy-	Yes	SML = 5 mg/kg (expressed as the sum of the phosphite and phosphate forms of the substance and hydrolysis products).

			5-acid ethyl phenyl)propyl]oxyphosphonic Triethanolamine	No	SML = 0.05 mg/kg expressed as the sum of triethanolamine and the adducted hydrochloride expressed as triethanolamine.
793	94000	0000102-71-6			
795	40155	0124172-53-8	N,N'-(2,2,6,6-tetramethyl-4-piperidyl)-N,N'-diformylhexamethylenediamine	No	SML = 0.05 mg/kg There is a risk of exceeding the SML or the TML in fatty food simulants. There is a risk of exceeding the SML from the polyolefins.
796	72141	0018600-59-4	2,2'-(1,4-Phenylene) bis [4H-3.1-benzoxazin-4-one]	Yes	SML = 0.05 mg/kg (including the sum of its hydrolysis products.)
797	76807	0073018-26-5	Adipic acid polyester with 1,3-butanediol, 1,2-propanediol and 2-ethyl-1-hexanol	Yes	SMLT = 30 mg/kg. The limit refers to the sum of the substances of number MCA 73, 797. SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.
798	92200	0006422-86-2	Bis (2-ethyl-hexyl) terephthalate = Dioctyl terephthalate (DOTP)	No	SML = 60 mg/kg SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.
799	77708	—	Polyethylene glycol ethers (EO = 1-50) of linear and branched primary (C8-C22) alcohols	No	SML = 1.8 mg/kg It must meet the following purity specification: Residual ethylene oxide: no more than 0.2 mg/kg
800	94425	0000867-13-0	Triethyl phosphonoacetate	No	For PET use only.
801	30607	—	Acids, C2-C24, aliphatic, linear, mono carboxylic, obtained from natural fats and oils, lithium salt	No	
802	33105	0146340-15-0	Alcohols, C12-C14 secondary, β -(2-hydroxyethoxy), ethoxylates	No	SML = 5 mg/kg There is a risk of exceeding the SML from the polyolefins.
803	33535	0152261-33-1	α -Alkenes (C20-C24) copolymer with maleic anhydride, reaction product with 4-amino-2,2,6,6-tetramethylpiperidine	No	Do not use for objects in contact with fatty foods. Do not use in contact with alcoholic foods.
804	80510	1010121-89-7	Poly (3-nonyl-1,1-dioxo-1-thiopropene-1,3-diyl) -block-poly (xoley-7-hydroxy-1,5-diiminooctane-1,8-diyl),	No	Use only as an aid for the production of polymers of polyethylene (PE), polypropylene (PP) and polystyrene (PS).

			mixing process with x = 1 and / or 5, neutralization with dodecyl benzenesulphonic acid		
805	93450	—	Titanium dioxide, coated with a copolymer of n-octyl trichlorosilane and [aminotris methylene phosphonic acid), pentasodium salt]	No	The surface treatment copolymer content of the coated titanium dioxide is less than 1% m/m.
807	93485	—	Titanium nitride nanoparticles	No	There should be no migration of titanium nitride nanoparticles. Only for use in polyethylene terephthalate (PET) up to 20 mg/kg.
					In the PET the agglomerates have a diameter of 100-500 nm consisting of primary nanoparticles of titanium nitride; the primary particles have an approximate diameter of 20 nm.
808	38550	0882073-43-0	Bis(4-propylbenzylidene)propyl sorbitol	No	SML = 5 mg/kg (including the sum of its hydrolysis products.)
809	49080	0852282-89-4	N-(2,6-diisopropylphenyl)-6-[4-(1,1,3,3-tetramethylbutyl) phenoxy]-1Hbenzo[de]isoquinolin-1,3(2H)-dione	Yes	SML = 0.05 mg/kg For PET use only. The migration limit can be exceeded at a very high temperature. There is a risk that the SML will be exceeded from plastics containing more than 0.5% m/m of the substance. There is a risk that the SML will be exceeded in contact with foods with high alcohol content.
810	68119		Neopentyl glycol diesters and monoesters with benzoic acid and 2-ethylhexanoic acid	No	SML = 5 mg/kg SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69. Do not use for objects in contact with fatty foods.
811	80077	0068441-17-8	Polyethylene waxes, oxidised	No	SML = 60 mg/kg
812	80350	0124578-12-7	Copolymer of poly (12-hydroxy stearic acid)-polyethyleneimine	No	It should only be used in plastic materials up to 0.1% m/m. Prepared by the reaction of poly (12-hydroxystearic acid) with polyethyleneimine.
813	91530	—	Alkyl sulphosuccinic acid, alkyl diesters (C ₄ -C ₂₀) or cyclohexyl, Salts	No	SML = 5 mg/kg
814	91815	—	Sulphosuccinic acid, monoalkyl esters (C ₁₀ -C ₁₆) of polyethylene glycol, Salts	No	SML = 2 mg/kg
815	94985	—	Trimethylolpropane, mixtures of tri-esters and diesters with	No	SML = 5 mg/kg SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8,

			benzoic acid and 2-ethylhexanoic acid		72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69. It should not be used for objects in contact with fatty foods.
816	45704	—	Salts of cis-1,2-cyclohexanedicarboxylic acid	No	SML = 5 mg/kg
817	38507	—	Salts of cis-endo-bicyclo [2.2.1] heptane-2,3-dicarboxylic acid	No	SML = 5 mg/kg It should not be used with polyethylene in contact with acidic food products. Purity ≥ 96%.
819	68110	—	Neodecanoic acid salts	No	SML = 0.05 mg/kg (expressed as neodecanoic acid). It should not be used for objects in contact with fatty foods.
820	76420	—	Pimelic acid salts	No	
821	90810	—	Stearoyl-2-lactyl acid salts	No	
822	71938	—	Perchloric acid salts	No	SML = 0.002 mg/kg When there is a fatty contact, the conformity test will be carried out using food simulants with saturated fats as a D' simulant.
854	71943	0329238-24-6	Perfluoro acetic acid, α-substituted with perfluoro-1,2-propylene glycol and perfluoro-1,1-ethylene glycol copolymer, terminated with chlorohexafluoropropyl groups	No	Only for use in concentrations of up to 0.5% m/m in the polymerization of fluoropolymers that are transformed at temperatures of 340 ° C or higher and are intended for repeated use.
855	40560		Copolymer of (butadiene, styrene, methyl methacrylate) entwined with 1,3-butanediol dimethacrylate	No	Only for use in rigid polyvinyl chloride (PVC) at a maximum level of 12 % for contact with food preserved at room temperature or lower.
856	40563		Copolymer of (butadiene, styrene, methyl methacrylate, butyl acrylate) entwined with 1,3-butanediol dimethacrylate	No	Only for use: a) rigid polyvinyl chloride (PVC) at a maximum level of 12% for contact with food preserved at room temperature or lower; b) mixtures of styrene-acrylonitrile (SAN)/polymethacrylate of methyl (PMMA) up to 40% m/m for items repeated use for contact stored at room temperature or below to non-acid, acid aqueous or alcoholic foods (with alcohol content ≤ 20%) for less than one day, or for dry food for long-term storage.
857	66765	0037953-21-2	Copolymer of (methyl methacrylate, butyl acrylate, styrene, glycidyl methacrylate)	No	Only for use in rigid polyvinylchloride (PVC) at a maximum level of 2% for contact with food stored at room temperature or below.
858	38565	0090498-90-1	3,9-bis [2-(3-(3-tertbutyl-4-hydroxy-5-methylphenyl) propionyloxy)-1,1-dimethylethyl]-2,4,8,10-	Yes	SML = 0.05 mg/kg expressed as the sum of the substance and its oxidation product 3-[(3-(3-tertbutyl-4- hydroxy-5-methylphenyl) prop-2-enoyloxy)-1,1-dimethylethyl]-9-[(3-(3- tertbutyl-4-hydroxy-5-methylphenyl) propionyloxy)-1,1-dimethylethyl]-2,4,8,10-tetraoxaspiro [5.5] - a decane in equilibrium with its para-quinone methide

			tetraoxaspiro [5.5] undecane		tautomer. There is a risk of exceeding the SML or the TML in fatty food simulants.
860	71980	0051798-33-5	Perfluoro [2-(poly(n-propoxy)) propanoic acid]	No	Only for use in the polymerization of fluoropolymers that are transformed at temperatures of 265 °C or higher and are intended for repeated use.
861	71990	0013252-13-6	Perfluoro acid [2-(n-propoxy)propanoic acid]	No	Only for use in the polymerization of fluoropolymers that are transformed at temperatures of 265 °C or higher and are intended for repeated use.
864	46330	0000056-06-4	2,4-Diamino-6-hydroxypyrimidine	No	SML = 5 mg/kg Only for use in rigid polyvinyl chloride (PVC) in contact with non-acidic and non-alcoholic aqueous foods.
865	40619	0025322-99-0	Copolymer of (butyl acrylate, methyl methacrylate, butyl methacrylate)	No	Only for use in: a) rigid polyvinyl chloride (PVC) at a maximum level of 1% m/m; b) polylactic acid (PLA) at a maximum level of 5% m/m.
866	40620	—	Copolymer of (butyl acrylate, methyl methacrylate), entwined with allyl methacrylate	No	Only for use in rigid polyvinyl chloride (PVC) at a maximum level of 7% m/m.
867	40815	0040471-03-2	Copolymer of (butyl methacrylate, ethyl acrylate, methyl methacrylate)	No	Only for use in rigid polyvinyl chloride (PVC) at a maximum level of 2 % m/m.
868	53245	0009010-88-2	Copolymer of (ethyl acrylate, methyl methacrylate)	No	Only for use: a) rigid polyvinyl chloride (PVC) at a maximum level of 2% m/m; b) polylactic acid (PLA) at a maximum level of 5% m/m; c) polyethylene terephthalate (PET) at a maximum level of 5% m/m.
869	66763	0027136-15-8	Copolymer of (butyl acrylate, methyl methacrylate, styrene)	No	Only for use in rigid polyvinyl chloride (PVC) at a maximum level of 3 % m/m.
870	95500	0160535-46-6	N,N',N''-Tris(2-methylcyclohexyl)-1,2,3-propane-tricarboxamide	No	SML = 5 mg/kg
871	-	0287916-86-3	12-aminododecanoic acid, polymer with ethene, 2,5-furanedione, α-hydro-ω-hydroxypoly (oxy-1,2-ethanediyl) and 1-propene	No	Only for use in polyolefins at maximum levels of 20% by mass. These polyolefins should only be used in contact with dry foods, at room temperature or lower, and when the migration of the total oligomeric fraction below 1000 Da does not exceed 50 µg/kg of food.
873	93460	—	Titanium dioxide subjected to chemical reaction with octyltriethoxysilane	No	Reaction product of titanium dioxide with a maximum of 2% m/m substance of octyltriethoxysilane surface treatment, treated at high temperatures.
875	80345	0058128-22-6	Poly (12-hydroxystearic acid) stearate	Yes	SML = 5 mg/kg
878	31335	—	Fatty acids (C8-C22) obtained from animal or vegetable fats	No	

			and oils, esters with aliphatic branched,		
			monohydrated, saturated, Primary acids (C3-C22)		
879	31336	—	Fatty acids (C8-C22) obtained from animal or vegetable fats and oils, esters with aliphatic linear alcohols, monohydrates, saturated, primary (C1-C22)	No	
880	31348	0085116-93-4	Fatty acids (C8-C22), esters with pentaerythritol	No	
884	34240	0091082-17-6	Sulphonic alkyl acid (C10-C21), esters with phenol	No	SML = 0.05 mg/kg It should not be used for objects in contact with fatty foods.
885	45676	0263244-54-8	Cyclic oligomers of (butylene terephthalate)	No	Only for use in poly plastics (ethylene terephthalate) (PET), poly (butylene terephthalate) (PBT), polycarbonate (PC), polystyrene (PS) and rigid polyvinyl chloride (PVC) in concentrations up to 1 % m/m, in contact with aqueous, acidic and alcoholic foods, for prolonged storage at room temperature.
894	93360	0016545-54-3	Di tetradecyl thiodipropionate	No	SMLT = 5 mg/kg (expressed as the sum of the substances and their oxidation products). The limit refers to the sum of the substances number MCA 294, 368, 894.
895	47060	0171090-93-0	Propanoic acid 3- (3,5-di- tert-butyl-4-hydroxyphenyl) esters with branched and linear alcohols C13 -C15	No	SML = 0.05 mg/kg Only for use in polyolefins in contact with dry non-fatty, aqueous non-acidic, aqueous acidic or alcoholic foods (with alcohol content ≤ 20%).
896	71958	0958445-44-8	3H-perfluoro-3-[(3-methoxypropoxy) propanoic acid], ammonium salt	No	Only for use in the polymerization of fluoropolymers when they are: a) transformed at temperatures above 280 °C for a minimum of 10 minutes; b) transformed at temperatures above 190 °C up to 30% m/m for use in mixtures with polyoxymethylene polymers and intended for usiteiterate objects.
902		0000128-44-9	1,1-dioxide of 1,2-benzisothiazol - 3(2 H)-one, sodium salt	No	The substance must meet the purity requirements for food additives.
923	39150	0000120-40-1	N,N-bis (2-hydroxyethyl) dodecanamide	No	SML = 5 mg/kg Diethanolamine: SML = 0.3 mg/kg The diethanolamine may be present as an impurity and/or product decomposition of the substance. There is a risk that the SML will be exceeded from the low density polyethylene (LDPE).

924	94987	—	Trimethylolpropane, mixtures of tri-esters and diesters with n-octanoic and n-decanoic acids	No	SML = 0.05 mg/kg Only for use in PET in contact with dry non-fatty, aqueous non-acidic, aqueous acidic or alcoholic foods (with alcohol content $\leq 20\%$).
926	71955	0908020-52-0	Perfluoro [(2- ethyloxy-ethoxy) acetic acid], ammonium salt	No	Only for use in the polymerization of fluoropolymers that are transformed at temperatures above 300 °C for a minimum of 10 minutes.
972	45197	0012158-74-6	Copper hydroxide phosphate	No	SMLT = 5 mg/kg (expressed as Copper).
974	74050	939402-02-5	Phosphorous acid, mixtures triesters of 2,4-bis (1,1- dimethyl propyl) phenyl and 4-(1,1-dimethyl propyl)phenyl	Yes	SML = 10 mg/kg (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- amyl phenol should not exceed 1 mg/kg of food.
979	79987	—	Copolymer of (polyethylene terephthalate, hydroxylated polybutadiene, pyromellitic anhydride)	No	Only for use in polyethylene terephthalate (PET) at a maximum level of 5% m/m.
998	-	—	Copolymer of non-crosslinked (butadiene, ethyl acrylate, methyl methacrylate, styrene), in nanoforms	No	Only for use in PVC particles without plasticizing up to 10% m/m in contact with all types of food at room temperature or lower, including storage for prolonged periods. When used together with the substance for MCA No. 859 and / or the substance MCA No. 1043, the 10% m / m restriction applies to the sum of such substances. The particles will have a diameter > 20 nm, of which at least 95% of them, in number, will have a diameter > 40 nm.
1016	-	—	Copolymer of (methacrylic acid, ethyl acrylate, n-butyl acrylate, methyl methacrylate and butadiene) in nanoform	No	Only for use in a concentration of up to: a) 10% m/m in unplasticization PVC; b) 15% m/m in unplasticization PLA. The final material should be used in contact with food preserved at or below room temperature.
1017	-	25618-55-7	Polyglycerol	No	Transform under conditions that prevent the decomposition of the substance and up to a maximum temperature of 275 °C.
1030	-	—	Montmorillonite clay modified by dimethyl dialkyl chloride (C ₁₆ -C ₁₈)- ammonium	No	Only for use in a concentration of up to 12% (m/m) in poly olefins in contact with dry foods at room temperature or lower. The sum of the specific migration of 1-chlorohexadecane and 1-chlorooctadecane should not exceed 0.05 mg/kg of food. It can contain plaques in nanoform that are only in a dimension finer than 100 nm. These inserts must be arranged parallel to the polymer surface and fully integrated into the polymer.
1043	-	—	Copolymer of (butadiene,	No	Only for use as particles in unplasticized PVC up to 10% m/m in

			ethyl acrylate, methyl methacrylate, styrene) crosslinked with 1,3-butanediol dimethacrylate, in nanoforms		contact with all types of food at room temperature or below, including prolonged storage. When used together with the substance to MCA n or 859 and/or the substance to MCA no. 998, the restriction of 10% m/m it is applied to the sum of these substances. The particles will have a diameter > 20 nm, of which at least 95% of them, in number, will have a diameter > 40 nm.
1045	-	1190931-27-1	Perfluoro {acetic acid, 2 -[(5-methoxy-1,3-dioxolan-4-yl) oxy]}, ammonium salt	No	Only for use as an auxiliary for the production of fluoropolymers in high temperature conditions of at least 370 °C.
1046	-	—	Zinc oxide, nanoparticles, coated with [3-(methacryloxy) propyl] trimethoxyisyl no (MCA No. 788)	No	Only for use in non-plasticised polymers. Restrictions and specifications regarding substance MCA No. 788 must be observed. SMLT = 5 mg/kg (expressed as Zinc)
1048	-	624-03-3	Ethylene glycol dipalmitate	No	SMLT = 30 mg/kg (expressed as ethylene glycol). The limit refers to the sum of the substances number MCA 89, 227, 263.1048. Only for use when produced from a fatty acid precursor obtained from food oils and fats.
1050	-	—	Zinc oxide, nanoparticles, uncoated	No	Only for use in non-plasticised polymers. SMLT = 5 mg/kg (expressed as Zinc)
1051	-	42774-15-2	N,N'-bis(2,2,6,6-tetramethyl-4-piperidiny) isophthalamide	No	SML = 5 mg/kg
1053	-	—	Saturated C ₁₆₋₁₈ fatty acids, diphantaerythritol esters	No	Only for use when produced from a fatty acid precursor obtained from food oils and fats.
1055	-	7695-91-2 58-95-7	α-tocopherol acetate =Vitamin E acetate	No	Only for use as an antioxidant in polyolefins. The substance and its hydrolysis products are food additives; therefore, they must comply with the limits established for each food.
1060	-	—	Ground sunflower seed husks	No	Only for use at room temperature or lower in contact with dry foods. Seed shells should be obtained from sunflower seeds suitable for human consumption. The transformation temperature of the plastic containing the additive must not exceed 240 °C.
1064		39318-18-8	Tungsten oxide	No	SML = 0.05 mg/kg Stoichiometry: WOn, n = 2.72 - 2.90

					When used as a reheating agent in polyethylene terephthalate (PET), it is not necessary to verify compliance with the specific migration limit; in all other cases, compliance with the migration limit will be verified specific in accordance with item 6; the specific migration limit is expressed as tungsten mg/kg of food.
1065		85711-28-0	mixture of methyl C ₁₄ -C ₁₈ linear and branched alkanamides, derived from fatty acids	No	SML = 5 mg/kg Only for use in the manufacture of polyolefin articles that do not come into contact with the foods to which the D 'simulant has been assigned. The migration of stearamide, under substance MCA No. 306 to which no specific migration limit applies, will not be subject to verification of compliance with the migration of the mixture with a specific migration limit established for the mixture.
1068		2530-83-8	[3-(2,3-epoxypropoxy) propyl]-trimethoxy-silane	No	Only for use as a component of fiberglass sizing agent to be integrated in reinforced plastics: [poly(ethylene terephthalate) (PET), polycarbonate (PC), poly(butylene terephthalate) (PBT), thermosetting polyesters and bisphenol-based epoxy resin vinyl esters in contact with all types of foods. For the treated fibreglass, CL = 0.01 mg/kg for [3- (2,3-epoxypropoxy) propyl] - trimethoxy-silane and CL = 0.06 mg/kg for each of the reaction products (hydrolysed monomers and dimers, cyclic tetramers and tetramers with epoxy group) cyclic tetramers containing epoxide).

M no.	Ref. No.	CAS No.	Substance Designation	FRF applicable (yes/no)	Restrictions and specifications
M1	--	000067-56-1	Methyl alcohol (methanol)	No	Only for use in polymeric and resinous adhesives and coatings
M2	--	000071-23-8	N-propyl alcohol (n-propanol)	No	Only for use in polymeric and resinous adhesives and coatings
M3	--	000077-89-4	Acetyl triethyl citrate	No	Only for use in adhesives, polymeric and resin coatings and polymeric coatings for polyolefin films. SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532,670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.
M4	--	000078-59-1	Isophorone	No	Only for use in adhesives.
M5	--	000078-83-1	Isobutanol	No	Only for use in adhesives.
M6	--	000078-93-3	Methyl ethyl ketone (= 2-butanone)	No	SML = 5 mg/kg
M7	--	000088-58-4	2,5-Di-tert-butyl hydroquinone	No	Only for use in: a) Thermosetting polyesters and must not exceed 0.08% m/m of plastic material, alone or in combination with tert-butyl-catechol and/or hydroquinone;

					b) Adhesives.
M8	--	000090-43-7 000132-27-4 (sodium salt)	o-phenyl phenol and its sodium salt (= 2-phenylphenol and its sodium salt)	No	Only for use in: a) Adhesives only as a preservative; b) Poly (phenylenterephthalamide) resins as a fungicide for coatings should not exceed 0.01% by mass of the base polymer; c) Repeated use elastomeric articles: as an antioxidant and antioxidant, alone or in combination with other antioxidants and antioxidants, in total, they should not exceed 5% by mass of the elastomeric product.
M9	--	000098-29-3	4-ter-butylcatecol	No	Only for use in polyesters. It must not exceed 0.08% m/m of plastic material, alone or in combination with 2,5-di-tert-butyl-hydroquinone and/or hydroquinone -
M10	53255	000100-41-4	Ethylbenzene	No	Only for use in polymeric and resinous coatings. SML = 0.6 mg/kg.
M11	--	000102-76-1	Triacetin (= glycerol triacetate)	No	Only for use in adhesives, polymeric and resin coatings and polymeric coatings for poly olefin films. SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.
M12	--	000108-10-1	Methyl-isobutyl-ketone	No	SML = 5 mg/kg
M13	--	000108-21-4	Isopropyl acetate	No	Only for use in adhesives.
M14	--	000108-88-3	Toluene	No	SML = 1.2 mg/kg
M15	25150	000109-99-9	Tetrahydrofuran	No	SML = 0.6 mg/kg Only for use in: a) Adhesives; b) Polymeric paraffin coatings; c) Vinyl polychloride (PVC), vinylidene polychloride (PVDC) and polyvinyl acetate (PVA) resins.
M16	--	000110-54-3	n-Hexane	No	Only for use: a) In adhesives; b) In polymeric and resinous coatings for polyolefin films; c) As polymerization solvent.
M17	--	107-83-5	2-methylpentane	No	Only for use as polymerization solvent
M18	16996	000110-80-5	Ethylene glycol monoethyl ether	No	SMLT = 3 mg/kg. The limit refers to the sum of substances of number M18, M20, M23, M24, M25, M26, M83, M85. Only for use in: a) Adhesives; b) Polymeric and resinous coatings.

M19	--	000110-82-7	Cyclohexane	No	SML = 1 mg/kg Benzene content less than 0.1% m/m in cyclohexane. Only for use: a) In adhesives; b) As polymerization solvent.
M20	--	000111-15-9	Ethylene glycol monoethyl ether acetate (= 2-Ethoxyethyl acetate)	No	SMLT = 3 mg/kg. The limit refers to the sum of substances of number M18, M20, M23, M24, M25, M26, M83, M85. Only for use in: adhesives
M21	--	000111-17-1	Thiodipropionic acid	No	Only for use as antioxidant for polymers and polymeric coatings.
M22	24280	000111-20-6	Sebacic acid	No	Only for use in: a) Adhesives; b) Polymeric and resinous coatings.
M23	16993 53765	000111-76-2	Ethylene glycol monobutyl ether	No	SMLT = 3 mg/kg. The limit refers to the sum of substances of number M18, M20, M23, M24, M25, M26, M83, M85. Only for use in: a) Adhesives; b) Polymeric and resinous coatings.

M24	15780 48050	000111-90-0	Diethylene glycol monoethyl ether	No	SMLT = 3 mg/kg. The limit refers to the sum of substances of number M18, M20, M23, M24, M25, M26, M83, M85. Only for use in: a) Adhesives; b) Polymeric and resinous coatings.
M25	--	000112-07-2	Ethylene glycol monobutyl ether acetate (= 2-butoxyethane acetate)	No	SMLT = 3 mg/kg. The limit refers to the sum of substances of number M18, M20, M23, M24, M25, M26, M83, M85. Only for use in adhesives.
M26	48030	000112-34-5	Diethylene glycol monobutyl ether	No	SMLT = 3 mg/kg. The limit refers to the sum of substances of number M18, M20, M23, M24, M25, M26, M83, M85. Only for use in: a) Adhesives; b) Polymeric and resinous coatings.
M27	--	000123-42-2	4-Hydroxy-4-methyl-2-pentanone (= Diacetone alcohol)	No	Only for use in adhesives.
M28	--	000138-86-3	Dipentene	No	Only for use in adhesives.
M29	--	000142-82-5	Heptane	No	Only for use in adhesives.

M30	70320	000629-54-9	Fatty acid amides: palmitic	No	If used for packaging materials for use during irradiation of pre-packaged foods, it should not exceed 1% by mass of the polymer. Only for use in: a) Adhesives; and b) Polymeric and resinous coatings.
M31	--	001190-63-2	Palmityl stearate (= Hexadecyl stearate)	No	Only for use as a plasticiser or lubricant in polystyrene and must be added to the formulation before extrusion.
M32	--	001320-67-8	Propylene glycol monomethyl ether (=1-methoxy-3-propanol)	No	Only for use in adhesives
M33	--	001321-57-9	Monoisopropyl citrate (= monoisopropylcitrate)	No	SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69. Only for use in resinous and polymeric coatings as a plasticizer.
M34	--	001323-66-6	Monostearyl citrate (= demonooctadecyl citrate)	No	SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69. Only for use in resinous and polymeric coatings as a plasticizer.
M35	--	001330-20-7	Xylene	No	SML = 1.2 mg/kg Only for use in: a) Adhesives; b) Polymeric and resinous coatings
M36	--	001336-93-2	Manganese naphthenate (for naphthenic acid)	No	SMLT = 0.6 mg/kg (expressed as manganese). Only for use as a drying agent in polymers and resins for polymeric and resinous coatings.
M37	--	001338-14-3	Iron naphthenate (for naphthenic acid)	No	SMLT = 48 mg/kg (expressed as iron) Only for use as a drying agent in polymers and resins for polymeric and resinous coatings.
M38	--	001421-63-2	2,4,5-Trihydroxybutyrophenone	No	Only for use as a drying agent in polymers and resins for polymeric and resinous coatings.
M39	--	002598-99-4	Stearyl palmitate (= Deoctadecyl palmitate)	No	Only for use as a plasticizer or lubricant in polystyrene and must be added to the formulation before extrusion.
			Condensation products of n-dodecyl alcohol with ethylene oxide (1:9.5) (=alpha-n-	No	CL = 1 mg/kg final product for oxide ethylene/in final product for ethylene oxide. Only for use as an antistatic agent in an amount not exceeding 0.2% m/m in low density polyethylene, provided that the average thickness is less than 125

M40	--	003055-99-0	dodecanol-omega hydroxypropyl (oxyethylene) (1 mol of n-dodecanol: 9.5 moles of ethylene oxide))		µm (microns = micrometres) (= 0.005 inches). The condensate should have a hydroxyl content between 2.7 and 2.9%, and a cloud point of 80 °C in 1% aqueous solution m/m.
M41	--	003147-75-9	2-(2H-benzotriazol-2-yl)4-(1,1,3,3- tetramethyl butyl) phenol	No	Only for use at levels not exceeding 0.5% m/m of polycarbonate resins used in storage conditions at room temperature, refrigeration or frozen.
M42	--	003287-12-5	Dihexadecyl thiodipropionate (= Dicethyl thiopropionate)	No	Only for use as an antioxidant or stabiliser in polymers. The concentration of this additive should not exceed a total of 7.75 mg/dm ² .

M43	--	003806-34-6	Neopentile tetrayl bis (octadecyl phosphite) cycle	No	CL = 0.1% m/m ethylene vinyl acetate copolymer The phosphorus content must be between 7.8 and 8.2% m/m Only for use as a stabiliser and antioxidant in copolymers of ethylene-vinyl acetate, in packaging conditions at room temperature, in refrigeration, freezing and in all cases without heat treatment inside the package.
M44	--	006994-59-8	Tin stearate	No	SMLT = 1.2 mg/kg (expressed as tin)
M45	--	—	Purified or refined virgin oils dehydrated, heated or partially blown polymerised or modified with maleic anhydride: - sunflower - soy - linen - cotton - corn - coconut - fish	No	Only for use in polymeric and resinous coatings. SMLT = 30 mg/kg (expressed as maleic acid). The limit refers to the sum of the substances of number MCA 234 (Reference No.: 19960) and MCA 248 (Reference No.: 19540).
M46	--	008002-09-3	Pine oil	No	Only for use in adhesives
M47	--	008002-26-4	"Tall oil" pine oil	No	
M48	--	008002-75-3	Virgin oils purified or refined, dehydrated, hot or blown, polymerised or partially modified with maleic anhydride: palm	No	Only for use in polymeric and resinous coatings as a surface lubricant.
M49	--	008016-11-3	Epoxidization flax oil (= Óleo de linhaça epoxidado)	No	Only for use as a plasticizer with the following requirements: - Minimum oxygenic oxygen 9% m/m; - Maximum iodine index 5.
M50	--		Oiticica oil and its dehydration products	No	Only for use as a component of polymeric and resinous coatings.
				No	Only for use in rigid PVC and/or in rigid vinyl chloride copolymers as an

M51	--	008045-34-9	Stearic acid esters with pentaerythritol		antioxidant or stabiliser so that the amount of pentaerythritol and/or pentaerythritol stearate (calculated as free pentaerythritol) Does not exceed 0.4% m/m of these polymers.
M52	--	009000-14-0	Copal waxes	No	Only for use in: a) Adhesives; b) Polymeric and resinous coatings.
M53	--	009000-57-1	Sandarac waxes	No	Only for use in: a) Adhesives; b) Polymeric and resinous coatings.
M54	--	009003-27-4	Polyisobutene (= polyisobutylene)	No	Only for use: a) as a plasticizer of polyethylene with molecular mass between 300 and 5000 Da in amounts not exceeding 0.5% m/m of polyethylene, and not in heating conditions; b) in adhesives and pressure sensitive adhesives.
M55	--	010213-78-2 052497-24-2 094945-28-5	Mix of: - 2-(2- hydroxyethyl-octadecyl amino) ethyl octadecanoate; - (octadecyl imino) diethylene distearate; and - bis (hydroxyethyl) octadecyl amine).	No	Only for use in polypropylene films as an antistatic agent in such a way that the thickness of the container in micrometres multiplied by the mass percentage of the additive is not greater than 16. It should not be used in plastic materials for alcoholic foods, or for contact with food at temperatures above 100 °C. It must meet the following specifications: a) Maximum acid value of 5 mgKOH/g; b) Amine index of 86 +/- 6 mgKOH/g.
M56	--	012627-14-4	Lithium silicates and acid silicates	No	SMLT = 0.6 mg/kg (expressed as lithium). Only for use in coatings based on perfluorocarbon resins.
M57	--	027214-00-2	Calcium glycerophosphate	No	
M58	--	034137-09-2	3,5-di-tert-butyl-4-hydroxy hydrocinnamic acid ester with 1,3,5-tris(2-hydroxy-ethyl)-s-triazine 2,4,6-(1H, 3H, 5H)-trione	No	Only for use as an antioxidant or polymer stabiliser with the following restrictions: a) Up to 0.5 percent m/m of polypropylene and polyethylene under food processing conditions up to 100 °C; b) In adhesives; c) Up to 0.25 percent m/m of olefin copolymers.
M59	--	034590-94-8	Dipropylene glycol monomethyl ether	No	Only for use as an adhesive.
M60	--	036265-41-5	Didodecyl-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylate (=1,4-dihydroxy-2,6-dimethyl-3,5-dicarbododecyloxy-pyridine)	No	Only for use as an antioxidant and/or stabilizer in rigid articles of polymers and copolymers of vinyl chloride, provided that it does not exceed 0.3% m/m thereof, under filling conditions at ambient temperature, and storage at ambient temperature, in refrigeration, or freezing and in all cases without heat treatment inside the container.
M61	--	061789-51-3	Cobalt naphthenate (para ácido naftênico)	No	SMLT = 0.05 mg/kg (expressed as cobalt) Only for use as a drying agent in polymers and resins for coatings.
M62	17230	061790-12-3	"Tall oil" fatty acids (= óleo de pinho)	No	Only for use as an adhesive.

M63	--	068411-46-1	Reaction product of N-phenylbencenamine with 2,4,4-trimethylpentene	No	Only for use in: a) adhesives, at most 0.5% m/m of adhesive, for material in contact with all types of food, under contact conditions not exceeding 49 °C (120 ° F); b) lid fittings: maximum 0.1% m/m of chlorinated isobutylene-isoprene, isobutylene-isoprene and brominated isobutylene-isoprene copolymers.
M64	--	068937-10-0	Hydrogenated polybutene	No	It must meet the following requirements: - minimum Saybolt viscosity: 39 seconds Saybolt - bromine number less than or equal to 3 Only for use as a plasticizer in: a) Polymers in contact with non-fatty foods; b) Polyethylene in contact with fatty foods CL = 0.5% m/m and with operating temperature 40 °C or lower; c) Polystyrene in contact with fatty foods CL = 5% m/m and with operating temperature 40 °C or lower; d) For use in adhesives and pressure sensitive adhesives; e) For resinous and polymeric coatings.
M65	--	068956-82-1	Cobalt resinate	No	SMLT = 0.05 mg/kg of food (expressed as cobalt) Only for use as a drying agent in polymeric and resinous coatings.
M66	--	073379-76-7	Pentaerythritol adipate stearate	No	Only for use as a lubricant in the manufacture of PVC and/or copolymers of rigid and semi-rigid vinyl chloride -propylene to come into contact with food other than food with an alcohol content greater than 8% v/v, under conditions contact at room temperature, cooling and freezing in all cases without heat treatment. The amount of total ester (calculated as free pentaerythritol) must not exceed 0.4% by mass of PVC and / or copolymers of vinyl chloride - propylene. It must meet the following specifications: a) Melting point 55-58 °C; b) Acidity index less than 15; c) Saponification index 270-280; d) Iodine index less than 2.
M67	----	181314-48-7	Reaction product of o-xylene with 5,7-bis (1,1-dimethylethyl) 3-hydroxy-2(3H)-benzofuranone	No	Only for use as an antioxidant and polymer stabilizer under the following conditions: a) Maximum 0.1% by mass of poly olefins in contact with non-acidic aqueous, acidic, non-alcoholic and dry and non-dry solids foods without surface fat, in all processing conditions, except for sterilization above 100 °C

					(212 °F) b) Maximum 0.02% by mass of polymers and copolymers of propylene, in contact with all foods except fatty foods in all processing conditions, except for sterilization above 100 °C (212 °F); and provided that the final article has a capacity of 19 litres or greater. c) Maximum 0.02% by mass of polymers and copolymers of ethylene, in contact with all types of food except fatty foods, in all processing conditions, except for sterilization above 100 °C (212 °F); and provided that the final article has a capacity of 19 litres or greater; or if the side in contact with the food has a thickness not greater than 50 micrometres.
M68	--	265647-11-8	Sodium phosphate, hydrogen, silver (1+) and zirconium (4+)	No	SMLT = 0.05 mg/kg (expressed as silver). Only for use as an antimicrobial for polymers in contact with food at levels not exceeding 2% m/m of polymer. The silver content should not exceed 10% by mass of the additive.
M69	--	33703-08-1	Di-isononyl adipate	No	a) For use in polymers and copolymers of vinyl chloride, in an amount not exceeding 24% m/m of the plastic material, in articles with a thickness less than or equal to 125 microns, in contact with aqueous, acidic aqueous non-acid and fat-free dry foods. b) For use in polymers and copolymers of vinyl chloride, in an amount not exceeding 24% m/m of plastic material, in articles with a thickness less than or equal to 125 microns, in contact with fatty foods (with a content of fat less than or equal to 30% m/m of the food), and under storage conditions at refrigeration and freezing temperatures. c) For use as a plasticizer in polymers and copolymers of vinyl chloride, in an amount not exceeding 35% m/m of the plastic material, in articles with a thickness less than or equal to 50 microns, in contact with acidic aqueous, aqueous non-acidic, and fat-free dry foods. d) For use as a plasticizer in polymers and copolymers of vinyl chloride, in an amount not exceeding 35% m/m of the plastic material, in articles with a thickness less than or equal to 50 microns, in contact with fatty foods (with a fat content less than or equal to 40% m/m of the food), and under storage conditions at refrigeration and freezing temperatures. The restrictions on use of this additive containing plastic material, for each application, must appear on the labelling of the same. SMLT = 60 mg/kg. The limit refers to the sum of the substances of number MCA 8, 72, 73, 138, 140, 157, 159, 207, 242, 283, 532, 670, 728, 729, 775, 783, 797, 798, 810, 815 and M3, M11, M33, M34, M69.
M70	--	17540-75-9	4-sec-butyl-2,6-di-tert-butyl-phenol	No	Only for use:

					<p>a) As antioxidant and/or adhesive stabilizer;</p> <p>b) As an antioxidant in homogenate and plasticization vinyl chloride (PVC) copolymers. Maximum 0.06% m/m in finished product; in contact with food under conditions of hot filling and/or pasteurization and/or storage at room temperatures, refrigeration or freezing.</p>
M71	--	202483-55-4	<p>Reaction products of 2,2,4,4-tetramethyl 7-oxa-3, 20-diazadispiro [5.1.11.2] heneicosan-21-one hydrochloride, with epichlorohydrin, hydrolysed, polymerised.</p>	No	<p>1) CL = 0.5% (m/m). Only for use as an antioxidant and/or stabilizer in homopolymer polypropylene, and copolymers of propylene with the following monomers included in the positive list of monomers, polymers and other MERCOSUR starting substances: ethylene, butene, pentene, hexene, octene, 4-methylpentene-1, 1-decene, 1-dodecene and 1-tetradecene. When coming into contact with fatty foods, the article must have a minimum capacity of 19 litres.</p> <p>(2) CL = 0.5% (m/m). Only for use as antioxidant and/or stabilizer in: homopolymer polyethylene, and copolymers of the following monomers included in the positive list of monomers, polymers and other MERCOSUR starting substances: ethylene, propylene, butene, pentene, hexene, octene, 4-methylpentene-1, 1-decene, 1-dodecene, 1-tetradecene and fumaric acid. For contact with food subjected to heat treatment (pasteurization or hot filling), stored at room temperature, refrigerated or frozen. When coming into contact with fatty foods, the article must have a minimum capacity of 19 litres.</p> <p>(3) (a) CL = 0.3% (m/m). Only for use as an antioxidant and/or stabilizer in: homopolymer polyethylene; copolymers of the following monomers included in the positive list of monomers, polymers and other starting substances of MERCOSUR: ethylene, propylene, butene, pentene, hexene, octene, 4-methylpentene-1, 1-decene, 1-dodecene, 1- tetradecene, fumaric acid, 5-ethylidene-2-norbornene and 1,4-hexadiene; and poly (methyl pentene). For contact with food undergoing heat treatment (pasteurization up to 66 °C or hot filling), stored at room temperature, refrigerated or frozen. When coming into contact with fatty foods, the article must have a minimum capacity of 19 litres.</p> <p>(b) CL = 0.2% (m/m). For films and moulded articles for contact with acidic and non-acidic aqueous foods, alcoholics, foods for which the simulant 50% (v/v) ethanol is applied, and dry foods that do not contain fat on their surface.</p>

M72	--	204933-93-7	Bis (alkyl hydrogenated rapeseed oil)-methyl amines, N-oxides	No	<p>CL = 0.1% (m/m).</p> <p>Only for use as an antioxidant in:</p> <p>a) High density polyethylene and high density polyethylene copolymers obtained by polymerization of ethylene with the following monomers included in the positive list of monomers, polymers and other MERCOSUR starting substances: propylene, 1-butene, 1-pentene, 1-hexene, 1-octene, 1-decene, 1-dodecene, 1-tetradecene, 4-methyl-1-pentene, 1,4-hexadiene and fumaric acid; used in all food packaging and processing conditions, except sterilization above 100 °C (212 °F).</p> <p>b) Homopolymer polypropylene, and in propylene copolymers with the following monomers included in the positive list of monomers, polymers and other starting substances of MERCOSUR: ethylene, 1-butene, 1-pentene, 1-hexene, 1-octene, 4-methyl -1-pentene, 5-ethyliden-2-norbornene, 1,4-hexadiene and fumaric acid; used in all food packaging and processing conditions, except sterilization above 100 °C (212 °F).</p>
M73	--	16940-66-2	Sodium borohydride (16940-66-2) in conjunction with palladium acetate (3375-31-3).	No	<p>Sodium borohydride can only be used in the layer that is not in contact with food, in multilayer internal coatings of bottle closure systems, at a level not exceeding 12% (m/m, as sodium borohydride) in the layer that is not in contact with food, and 10 mg/cm² of contact surface of the coating.</p> <p>The contact surface of the coating cannot exceed 12 cm². The layer containing borohydride must be separated by a functional barrier. Both the layer that is not in contact with food, and which contains sodium borohydride, as well as the functional barrier layer must be constituted by any polymer authorised for contact with food. The functional barrier layer must have a minimum thickness of 0.38 mm with the following exceptions:</p> <p>1) If the barrier layer is styrene-ethylene-butadiene-styrene, the minimum barrier thickness should be 0.35 mm; or</p> <p>2) If the poly(styrene-ethylene-ethylene/propylene-styrene) barrier layer, the minimum barrier thickness should be 0.25 mm.</p> <p>Sodium borohydride is used in conjunction with palladium acetate, which is present in the final product as a metal (Pd (0)). Palladium acetate can be used in:</p> <p>a) beverage bottle walls consisting of ethylene phthalate/naphthalate polymers and copolymers at levels not exceeding 5 mg/kg by mass (as palladium) ; or</p> <p>b) the surface of caps at levels not exceeding 50 mg/kg (such as palladium). Palladium acetate on the contact surface will be processed at a minimum temperature of 220 °C in the polymer.</p> <p>The final product can be used for contact with hot packaged food and pasteurization above and below 66 °C, food</p>

					packaged at room temperature without heat treatment inside the container, cold or frozen storage without heat treatment inside the container, cold storage or frozen food to be heated inside the container before consumption (aqueous or oil-in-water emulsion with low and high fat, and aqueous with free fat with low or high fat).
M74	--	105-46-4	Desec-butyl acetate (sec butyl acetic acid ester, 2-butanol acetate)	No	Only for use in adhesives.
M75	--	68611-44-9	Dichloromethylsilane, reaction products with silica	No	For use at a concentration not exceeding 200 mg/kg in homopolymer polypropylene and propylene copolymers with the following monomers included in the positive list of monomers, polymers and other MERCOSUR starting substances: ethylene, 1-butene, 1-pentene, 1-hexene, 1-octene, 4-methyl-1-pentene, 5- ethylidene-2-norbornene, 1,4-hexadiene and fumaric acid. As a stabilizer and thickening agent in colour dispersions, used in PET polymers for food contact. For use at levels not exceeding 0.1% m/m of the final polymer in contact with all types of food, in all packaging and processing conditions, except sterilization at 100 °C (212 °F) or higher temperatures.
M76	--	1235487-96-3	Benzenopropanamide, 3,5-bis (1,1-dimethylethyl) -4-hydroxide-, N-C16-18-alkyl derivatives	No	Only for use in polypropylene for films, coatings and moulded articles for single or repeated use. CL = 150 mg/kg (m/m). It cannot be used for materials subjected to irradiation or temperatures above 121 °C. It cannot be used for materials intended for food for children from 0 to 3 years.
M77	--		Alkanes and cycloalkanes	No	Only those with boiling point of up to 100 °C, for use as polymerization solvents.
M78	--	935739-41-6	2-2 '- [1,3-Phenylenebis (methylene)] bis [2,3-dihydro-1H-isoindol-1-one] (also known as m-Xylylene diamine-bis (phthalamide), MXBP), used in conjunction	No	Only for use as an oxygen absorber in polyethylene terephthalate (PET) polymers CL = 1.45% (m/m) for MXBP CL = 0.02% (m/m) as cobalt

			with neodecanoate, cobalt (CAS Reg. No. 27253-31-2).		<p>SMLT = 0.05 mg/kg (expressed as neodecanoic acid.)</p> <p>For pasteurization conditions, hot filling, storage under ambient temperature conditions and refrigeration.</p> <p>It cannot be used for contact with water and carbonated drinks. It cannot be used for objects in contact with fatty foods.</p>
M79	--	75-28-5	Isobutane	No	For use as an expansion agent and solvent.
M80	--	1489170-67-3	4-[(4-chlorobenzoyl)amino]sodium benzoate	No	<p>For use only as a nucleating agent in poly olefins: CL = 0.25% m / m of the finished material or object.</p> <p>It cannot be used for food materials for children 0 to 3 years, according to defined in the specific regulations.</p> <p>For all processing conditions except sterilization above 100 °C.</p>
M81	--	57843-53-5	N,N,N',N'- tetrakis(2-hydroxypropyl)adipamide	No	<p>Only for use in polymeric and resinous coatings. It must meet the following restrictions:</p> <p>1- SMLT = 5 mg/kg for N,N,N',N'-tetrakis (2-hydroxypropyl)adipamide alone or in combination with 6- [bis(2-hydroxypropyl)amino]-6-oxohexanoic acid.</p> <p>For fatty food the specific migration must always be calculated for a generic use ratio of 6 dm²/kg.</p> <p>2- SMLT = 5 mg/kg for Diisopropanolamine (CAS No. 110-97-4) (as synthesis reaction impurity).</p> <p>For fatty foods the specific migration must always be calculated for a generic use ratio of 6 dm²/kg.</p> <p>3- SMLT = 0.1 mg/kg for bis{1-[(2-hydroxypropyl) amino]-2-propanyl} adipate (reaction product) combined with 1-[(2-hydroxy-propyl) amino]-2-propanyl 6-[bis (2-hydroxypropyl) -amino] -6-oxohexanoate. The SML only applies when the substance is used for acidic aqueous foods (pH ≤ 4.5) and under conditions of use or processing temperatures ≥70 °C.</p> <p>It cannot be used for materials intended to come into contact with infant formulas and human milk.</p>
M82	--	75-65-0	Terbutanol	No	<p>SML = 10 mg/kg</p> <p>Only for use in polymeric and resinous coatings.</p>

M83	--	112-25-4	Ethylene glycol monohexylether	No	Only for use in polymeric and resinous coatings. SMLT = 3 mg/kg. The limit refers to the sum of the substances of number M18, M20, M23, M24, M25, M26, M83, M85.
M84	--	75-09-2	Dichloromethane	No	SML = 0.05 mg/kg Only for use in: a) Adhesives; b) Polymeric and resinous coatings.
M85	--	109-86-4	Ethylene glycol monomethylene	No	Only for use in: a) Adhesives; b) Polymeric and resinous coatings. SMLT = 3 mg/kg. The limit refers to the sum of the substances of number M18, M20, M23, M24, M25, M26, M83, M85.
M86	--	--	Vitreous compound of silver and zinc. Composition: Ag (max. 0.57% (m/m), zinc max. 23% m / m, aluminium phosphate and boron, max. 76.4% m/m).	No	Only for use as antimicrobial additive LC = 3% m/m of the plastic material SMLT = 0.05 mg/kg (expressed as silver) SMLT = 5 mg/kg (expressed as zinc) SMLT = 1 mg/kg (expressed as aluminium) SMLT = 6 mg/kg (expressed as boron). The limit refers to the sum of the substances of number MCA 407, 583, 584, 599, M86.
M87	--	--	Silver and zinc zeolite (aluminium silicate compound of zinc, zinc, sodium and magnesium with calcium phosphate, zinc oxide, hydrocalcite with a maximum Ag content of 0.55%	No	Only for use as antimicrobial additive LC = 3% m/m of the plastic material SMLT = 0.05 mg/kg (expressed as silver) SMLT = 5 mg/kg (expressed as zinc) SMLT = 1 mg/kg (expressed as aluminium)
M88	--	--	Deodorised light oil hydrocarbons	No	It is a mixture of liquid hydrocarbons, of paraffinic, isoparaffinic or naphthenic nature, derived from petroleum or synthesised from petroleum gases. They must meet the following specifications: - have a slight odour, not of kerosene - minimum initial boiling point 149 °C (300 °F) - maximum final boiling point 343 °C (650 °F) - The maximum absorbances are defined in the following table:

					WAVELENGTH (nm)
					MAXIMUM ABSORBANCE PER OPTICAL STEP cm
					280-289
					4.0
					290-299
M89	--	--	Isoparaffinic petroleum hydrocarbons, synthetic	No	3.3
					300-329
					2.3
					330-360
					0.8
					Only for use:
					a) as plasticisers and oil absorbers in the manufacture of polyolefins in amounts not exceeding what is technologically necessary, according to the Good Manufacturing Practices;
					b) as components of adhesives.
					Isoparaffinic, synthetic petroleum hydrocarbons are constituted by a mixture of liquid hydrocarbons that must meet the following requirements:
					- Boiling point range: 63-260 °C
					- Non-volatile residue: 0.002 g/100 ml maximum
					- The maximum absorbances are defined in the following table:
					WAVELENGTH (nm)
					MAXIMUM ABSORBANCE PER OPTICAL STEP cm
					260-319
					1.5
					320-329
					0.08
					330-350
					0.05
					It should be used in amounts not exceeding the concentrations needed to produce desired technological functions, according to the Good Manufacturing Practices, so that the residual content in the final product is the lowest possible.

M90	--	--	Petroleum naphtha	No	Petroleum naphtha consists of a mixture of liquid hydrocarbons, of an essentially paraffinic and naphthenic nature, refined, which must comply with the following requirements: - Boiling point range: 79 °C – 149 °C (175 °F –300 °F) - Non-volatile residue: 0.002 g/100 ml maximum - The maximum absorbances are defined in the following table:	
					WAVELENGTH (nm)	MAXIMUM ABSORBANCE PER OPTICAL STEP cm
					280-289	0.15
					290-299	0.13
					300-359	0.08
					360-400	0.02
					It should be used in amounts not exceeding the concentrations needed to produce desired technological functions, according to the Good Manufacturing Practices, so that the residual content in the final product is the lowest possible.	