

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

COMMISSION REGULATION (EU) No 10/2011

of 14 January 2011

on plastic materials and articles intended to come into contact with food

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EC) No 1935/2004 of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC<sup>(1)</sup>, and in particular Article 5(1)(a), (c), (d), (e), (f), (h), (i) and (j) thereof,

After consulting the European Food Safety Authority,

Whereas:

- (1) Regulation (EC) No 1935/2004 lays down the general principles for eliminating the differences between the laws of the Member States as regards food contact materials. Article 5(1) of that Regulation provides for the adoption of specific measures for groups of materials and articles and describes in detail the procedure for the authorisation of substances at EU level when a specific measure provides for a list of authorised substances.
- (2) This Regulation is a specific measure within the meaning of Article 5(1) of Regulation (EC) No 1935/2004. This Regulation should establish the specific rules for plastic materials and articles to be applied for their safe use and repeal Commission Directive 2002/72/EC of 6 August 2002 on plastic materials and articles intended to come into contact with foodstuffs<sup>(2)</sup>.
- (3) Directive 2002/72/EC sets out basic rules for the manufacture of plastic materials and articles. The Directive has been substantially amended 6 times. For reasons of clarity the text should be consolidated and redundant and obsolete parts removed.
- (4) In the past Directive 2002/72/EC and its amendments have been transposed into national legislation without any major adaptation. For transposition into national law usually a time period of 12 months is necessary. In case of amending the lists of monomers and additives in order to authorise new substances this transposition time leads to a retardation of the authorisation and thus slows down innovation. Therefore it seems appropriate to adopt rules on plastic materials and articles in form of a Regulation directly applicable in all Member States.

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- (5) Directive 2002/72/EC applies to materials and articles purely made of plastics and to plastic gaskets in lids. In the past these were the main use of plastics on the market. However, in recent years, besides materials and articles purely made of plastics, plastics are also used in combination with other materials in so called multi-material multi-layers. Rules on the use of vinyl chloride monomer laid down in Council Directive 78/142/EEC of 30 January 1978 on the approximation of the laws of the Member States relating to materials and articles which contain vinyl chloride monomer and are intended to come into contact with foodstuffs<sup>(3)</sup> already apply to all plastics. Therefore it seems appropriate to extend the scope of this Regulation to plastic layers in multi-material multi-layers.
- (6) Plastic materials and articles may be composed of different layers of plastics held together by adhesives. Plastic materials and articles may also be printed or coated with an organic or inorganic coating. Printed or coated plastic materials and articles as well as those held together by adhesives should be within the scope of the Regulation. Adhesives, coatings and printing inks are not necessarily composed of the same substances as plastics. Regulation (EC) No 1935/2004 foresees that for adhesives, coatings and printing inks specific measures can be adopted. Therefore plastic materials and articles that are printed, coated or held together by adhesives should be allowed to contain in the printing, coating or adhesive layer other substances than those authorised at EU level for plastics. Those layers may be subject to other EU or national rules.
- (7) Plastics as well as ion exchange resins, rubbers and silicones are macromolecular substances obtained by polymerisation processes. Regulation (EC) No 1935/2004 foresees that for ion exchange resins, rubbers and silicones specific measures can be adopted. As those materials are composed of different substances than plastics and have different physico-chemical properties specific rules for them need to apply and it should be made clear that they are not within the scope of this Regulation.
- (8) Plastics are made of monomers and other starting substances which are chemically reacted to a macromolecular structure, the polymer, which forms the main structural component of the plastics. To the polymer additives are added to achieve defined technological effects. The polymer as such is an inert high molecular weight structure. As substances with a molecular weight above 1 000 Da usually cannot be absorbed in the body the potential health risk from the polymer itself is minimal. Potential health risk may occur from non- or incompletely reacted monomers or other starting substances or from low molecular weight additives which are transferred into food via migration from the plastic food contact material. Therefore monomers, other starting substances and additives should be risk assessed and authorised before their use in the manufacture of plastic materials and articles.
- (9) The risk assessment of a substance to be performed by the European Food Safety Authority (hereinafter the Authority) should cover the substance itself, relevant impurities and foreseeable reaction and degradation products in the intended use. The risk assessment should cover the potential migration under worst foreseeable conditions of use and the toxicity. Based on the risk assessment the authorisation should if

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necessary set out specifications for the substance and restrictions of use, quantitative restrictions or migration limits to ensure the safety of the final material or article.

- (10) No rules have yet been set out at EU level for the risk assessment and use of colorants in plastics. Therefore their use should remain subject to national law. That situation should be reassessed at a later stage.
- (11) Solvents used in the manufacture of plastics to create a suitable reaction environment are expected to be removed in the manufacturing process as they are usually volatile. No rules have yet been set out at EU level for the risk assessment and use of solvents in the manufacture of plastics. Therefore their use should remain subject to national law. That situation should be reassessed at a later stage.
- (12) Plastics can also be made of synthetic or natural occurring macromolecular structures which are chemically reacted with other starting substances to create a modified macromolecule. Synthetic macromolecules used are often intermediate structures which are not fully polymerised. Potential health risk may occur from the migration of non- or incompletely reacted other starting substances used to modify the macromolecule or an incompletely reacted macromolecule. Therefore the other starting substances as well as the macromolecules used in the manufacture of modified macromolecules should be risk assessed and authorised before their use in the manufacture of plastic materials and articles.
- (13) Plastics can also be made by micro-organisms that create macromolecular structures out of starting substances by fermentation processes. The macromolecule is then either released to a medium or extracted. Potential health risk may occur from the migration of non- or incompletely reacted starting substances, intermediates or by-products of the fermentation process. In this case the final product should be risk assessed and authorised before its use in the manufacture of plastic materials and articles.
- (14) Directive 2002/72/EC contains different lists for monomers or other starting substances and for additives authorised for the manufacture of plastic materials and articles. For monomers, other starting substances and additives the Union list is now complete, this means that only substances authorised at EU level may be used. Therefore a separation of monomers or other starting substances and of additives in separate lists due to their authorisation status is no longer necessary. As certain substances can be used both as monomer or other starting substances and as additive for reasons of clarity they should be published in one list of authorised substances indicating the authorised function.
- (15) Polymers can not only be used as main structural component of plastics but also as additives achieving defined technological effects in the plastic. If such a polymeric additive is identical to a polymer that can form the main structural component of a plastic material the risk from polymeric additive can be regarded as evaluated if the monomers have already been evaluated and authorised. In such a case it should not be necessary to authorise the polymeric additive but it could be used on the basis of the authorisation of its monomers and other starting substances. If such a polymeric additive is not identical to a polymer that can form the main structural component of a plastic material then the risk of the polymeric additive can not be regarded as evaluated by evaluation of the monomers. In such a case the polymeric additive should be risk

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assessed as regards its low molecular weight fraction below 1 000 Da and authorised before its use in the manufacture of plastic materials and articles.

- (16) In the past no clear differentiation has been made between additives that have a function in the final polymer and polymer production aids (PPA) that only exhibit a function in the manufacturing process and are not intended to be present in the final article. Some substances acting as PPA had already been included in the incomplete list of additives in the past. These PPA should remain in the Union list of authorised substances. However, it should be made clear that the use of other PPA will remain possible, subject to national law. That situation should be reassessed at a later stage.
- (17) The Union list contains substances authorised to be used in the manufacture of plastics. Substances such as acids, alcohols and phenols can also occur in form of salts. As the salts usually are transformed in the stomach to acid, alcohol or phenol the use of salts with cations that have undergone a safety evaluation should in principle be authorised together with the acid, alcohol or phenol. In certain cases, where the safety assessment indicates concerns on the use of the free acids, only the salts should be authorised by indicating in the list the name as ‘... acid(s), salts’.
- (18) Substances used in the manufacture of plastic materials or articles may contain impurities originating from their manufacturing or extraction process. These impurities are non-intentionally added together with the substance in the manufacture of the plastic material (non-intentionally added substance – NIAS). As far as they are relevant for the risk assessment the main impurities of a substance should be considered and if necessary be included in the specifications of a substance. However it is not possible to list and consider all impurities in the authorisation. Therefore they may be present in the material or article but not included in the Union list.
- (19) In the manufacture of polymers substances are used to initiate the polymerisation reaction such as catalysts and to control the polymerisation reaction such as chain transfer, chain extending or chain stop reagents. These aids to polymerisation are used in minute amounts and are not intended to remain in the final polymer. Therefore they should at this point of time not be subject to the authorisation procedure at EU level. Any potential health risk in the final material or article arising from their use should be assessed by the manufacturer in accordance with internationally recognised scientific principles on risk assessment.
- (20) During the manufacture and use of plastic materials and articles reaction and degradation products can be formed. These reaction and degradation products are non-intentionally present in the plastic material (NIAS). As far as they are relevant for the risk assessment the main reaction and degradation products of the intended application of a substance should be considered and included in the restrictions of the substance. However it is not possible to list and consider all reaction and degradation products in the authorisation. Therefore they should not be listed as single entries in the Union list. Any potential health risk in the final material or article arising from reaction and degradation products should be assessed by the manufacturer in accordance with internationally recognised scientific principles on risk assessment.

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- (21) Prior to the establishment of the Union list of additives, other additives than those authorised at EU level could be used in the manufacture of plastics. For those additives which were permitted in the Member States, the time limit for the submission of data for their safety evaluation by the Authority with a view to their inclusion in the Union list expired on 31 December 2006. Additives for which a valid application was submitted within this time limit were listed in a provisional list. For certain additives on the provisional list a decision on their authorisation at EU level has not yet been taken. For those additives, it should be possible to continue to be used in accordance with national law until their evaluation is completed and a decision is taken on their inclusion in the Union list.
- (22) When an additive included in the provisional list is inserted in the Union list or when it is decided not to include it in the Union list, that additive should be removed from the provisional list of additives.
- (23) New technologies engineer substances in particle size that exhibit chemical and physical properties that significantly differ from those at a larger scale, for example, nanoparticles. These different properties may lead to different toxicological properties and therefore these substances should be assessed on a case-by-case basis by the Authority as regards their risk until more information is known about such new technology. Therefore it should be made clear that authorisations which are based on the risk assessment of the conventional particle size of a substance do not cover engineered nanoparticles.
- (24) Based on the risk assessment the authorisation should if necessary set out specific migration limits to ensure the safety of the final material or article. If an additive that is authorised for the manufacture of plastic materials and articles is at the same time authorised as food additive or flavouring substance it should be ensured that the release of the substance does not change the composition of the food in an unacceptable way. Therefore the release of such a dual use additive or flavouring should not exhibit a technological function on the food unless such a function is intended and the food contact material complies with the requirements on active food contact materials set out in Regulation (EC) No 1935/2004 and Commission Regulation (EC) No 450/2009 of 29 May 2009 on active and intelligent materials and articles intended to come into contact with food<sup>(4)</sup>. The requirements of Regulations (EC) No 1333/2008 of the European Parliament and of the Council of 16 December 2008 on food additives<sup>(5)</sup> or (EC) No 1334/2008 of the European Parliament and of the Council of 16 December 2008 on flavourings and certain food ingredients with flavouring properties for use in and on foods and amending Council Regulation (EEC) No 1601/91, Regulations (EC) No 2232/96 and (EC) No 110/2008 and Directive 2000/13/EC<sup>(6)</sup> should be respected where applicable.
- (25) According to Article 3(1)(b) of Regulation (EC) No 1935/2004 the release of substances from food contact materials and articles should not bring about unacceptable changes in the composition of the food. According to good manufacturing practice it is feasible to manufacture plastic materials in such a way that they are not releasing more than 10 mg of substances per 1 dm<sup>2</sup> of surface area of the plastic material. If the risk

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assessment of an individual substance is not indicating a lower level, this level should be set as a generic limit for the inertness of a plastic material, the overall migration limit. In order to achieve comparable results in the verification of compliance with the overall migration limit, testing should be performed under standardised test conditions including testing time, temperature and test medium (food simulant) representing worst foreseeable conditions of use of the plastic material or article.

- (26) The overall migration limit of 10 mg per 1 dm<sup>2</sup> results for a cubic packaging containing 1kg of food to a migration of 60 mg per kg food. For small packaging where the surface to volume ratio is higher the resulting migration into food is higher. For infants and small children which have a higher consumption of food per kilogram bodyweight than adults and do not yet have a diversified nutrition, special provisions should be set in order to limit the intake of substances migrating from food contact materials. In order to allow also for small volume packaging the same protection as for high volume packaging, the overall migration limit for food contact materials that are dedicated for packaging foods for infants and small children should be linked to the limit in food and not to the surface area of the packaging.
- (27) In recent years plastic food contact materials are being developed that do not only consist of one plastic but combine up to 15 different plastic layers to attain optimum functionality and protection of the food, while reducing packaging waste. In such a plastic multi-layer material or article, layers may be separated from the food by a functional barrier. This barrier is a layer within food contact materials or articles preventing the migration of substances from behind that barrier into the food. Behind a functional barrier, non-authorised substances may be used, provided they fulfil certain criteria and their migration remains below a given detection limit. Taking into account foods for infants and other particularly susceptible persons, as well as the large analytical tolerance of the migration analysis, a maximum level of 0,01 mg/kg in food should be established for the migration of a non-authorised substance through a functional barrier. Substances that are mutagenic, carcinogenic or toxic to reproduction should not be used in food contact materials or articles without previous authorisation and should therefore not be covered by the functional barrier concept. New technologies that engineer substances in particle size that exhibit chemical and physical properties that significantly differ from those at a larger scale, for example, nanoparticles, should be assessed on a case-by-case basis as regards their risk until more information is known about such new technology. Therefore, they should not be covered by the functional barrier concept.
- (28) In recent years food contact materials and articles are being developed that consist of a combination of several materials to achieve optimum functionality and protection of the food while reducing packaging waste. In these multi-material multi-layer materials and articles plastic layers should comply with the same compositional requirements as plastic layers which are not combined with other materials. For plastic layers in a multi-material multi-layer which are separated from the food by a functional barrier the functional barrier concept should apply. As other materials are combined with the plastic layers and for these other materials specific measures are not yet adopted at EU level it is not yet possible to set out requirements for the final multi-material multi-layer

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materials and articles. Therefore specific migration limits and the overall migration limit should not be applicable except for vinyl chloride monomer for which such a restriction is already in place. In the absence of a specific measure at EU level covering the whole multi-material multi-layer material or article Member States may maintain or adopt national provisions for these materials and articles provided they comply with the rules of the Treaty.

- (29) Article 16(1) of Regulation (EC) No 1935/2004 provides that materials and articles covered by specific measures be accompanied by a written declaration of compliance stating that they comply with the rules applicable to them. To strengthen the coordination and responsibility of the suppliers at each stage of manufacture, including that of the starting substances, the responsible persons should document the compliance with the relevant rules in a declaration of compliance which is made available to their customers.
- (30) Coatings, printing inks and adhesives are not yet covered by a specific EU legislation and therefore not subject to the requirement of a declaration of compliance. However, for coatings, printing inks and adhesives to be used in plastic materials and articles adequate information should be provided to the manufacturer of the final plastic article that would enable him to ensure compliance for substances for which migration limits have been established in this Regulation.
- (31) Article 17(1) of Regulation (EC) No 178/2002 of the European Parliament and of the Council of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety<sup>(7)</sup> requires the food business operator to verify that foods are compliant with the rules applicable to them. To this end and subject to the requirement of confidentiality, food business operators should be given access to the relevant information to enable them to ensure that the migration from the materials and articles to food complies with the specifications and restrictions laid down in food legislation.
- (32) At each stage of manufacture, supporting documentation, substantiating the declaration of compliance, should be kept available for the enforcement authorities. Such demonstration of compliance may be based on migration testing. As migration testing is complex, costly and time consuming it should be admissible that compliance can be demonstrated also by calculations, including modelling, other analysis, and scientific evidence or reasoning if these render results which are at least as severe as the migration testing. Test results should be regarded as valid as long as formulations and processing conditions remain constant as part of a quality assurance system.
- (33) When testing articles not yet in contact with food, for certain articles, such as films or lids, it is often not feasible to determine the surface area that is in contact with a defined volume of food. For these articles specific rules should be set out for verification of compliance.
- (34) The setting of migration limits takes into account a conventional assumption that 1kg of food is consumed daily by a person of 60 kg bodyweight and that the food is packaged in a cubic container of 6 dm<sup>2</sup> surface area releasing the substance. For very small and very large containers the real surface area to volume of packaged food is varying a lot

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from the conventional assumption. Therefore, their surface area should be normalised before comparing testing results with migration limits. These rules should be reviewed when new data on food packaging uses become available.

- (35) The specific migration limit is a maximum permitted amount of a substance in food. This limit should ensure that the food contact material does not pose a risk to health. It should be ensured by the manufacturer that materials and articles not yet in contact with food will respect these limits when brought into contact with food under the worst foreseeable contact conditions. Therefore compliance of materials and articles not yet in contact with food should be assessed and the rules for this testing should be set out.
- (36) Food is a complex matrix and therefore the analysis of migrating substances in food may pose analytical difficulties. Therefore test media should be assigned that simulate the transfer of substances from the plastic material into food. They should represent the major physico-chemical properties exhibited by food. When using food simulants standard testing time and temperature should reproduce, as far as possible, the migration which may occur from the article into the food.
- (37) For determining the appropriate food simulant for certain foods the chemical composition and the physical properties of the food should be taken into account. Research results are available for certain representative foods comparing migration into food with migration into food simulants. On the basis of the results, food simulants should be assigned. In particular, for fat containing foods the result obtained with food simulant may in certain cases significantly overestimate migration into food. In these cases it should be foreseen that the result in food simulant is corrected by a reduction factor.
- (38) The exposure to substances migrating from food contact materials was based on the conventional assumption that a person consumes daily 1 kg of food. However, a person ingests at most 200 g of fat on a daily basis. For lipophilic substances that only migrate into fat this should be taken into consideration. Therefore a correction of the specific migration by a correction factor applicable to lipophilic substances in accordance with the opinion of the Scientific Committee on Food (SCF)<sup>(8)</sup> and the opinion of the Authority<sup>(9)</sup> should be foreseen.
- (39) Official control should establish testing strategies which allow the enforcement authorities to perform controls efficiently making best use of available resources. Therefore it should be admissible to use screening methods for checking compliance under certain conditions. Non-compliance of a material or article should be confirmed by a verification method.
- (40) Basic rules on migration testing should be set out in this Regulation. As migration testing is a very complex issue, these basic rules can, however, not cover all foreseeable cases and details necessary for performing the testing. Therefore a EU guidance document should be established, dealing with more detailed aspects of the implementation of the basic migration testing rules.
- (41) The updated rules on food simulants and migration testing provided by this Regulation will supersede those in Directive 78/142/EEC and the Annex to Council Directive



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82/711/EEC of 18 October 1982 laying down the basic rules necessary for testing migration of the constituents of plastic materials and articles intended to come into contact with foodstuffs<sup>(10)</sup>.

- (42) Substances present in the plastic but not listed in Annex I to this Regulation have not necessarily been risk assessed as they had not been subject to an authorisation procedure. Compliance with Article 3 of Regulation (EC) No 1935/2004 for these substances should be assessed by the relevant business operator in accordance with internationally recognised scientific principles taking into account exposure from food contact materials and other sources.
- (43) Recently additional monomers, other starting substances and additives have received a favourable scientific evaluation by the Authority and should now be added to the Union list.
- (44) As new substances are added to the Union list the Regulation should apply as soon as possible to allow for manufacturers to adapt to technical progress and allow for innovation.
- (45) Certain migration testing rules should be updated in view of new scientific knowledge. Enforcement authorities and industry need to adapt their current testing regime to these updated rules. To allow for this adaptation it seems appropriate that the updated rules only apply 2 years after the adoption of the Regulation.
- (46) Business operators are currently basing their declaration of compliance on supporting documentation following the requirements set out in Directive 2002/72/EC. Declaration of compliance need, in principle, only to be updated when substantial changes in the production bring about changes in the migration or when new scientific data are available. In order to limit the burden to business operators, materials which have been lawfully placed on the market based on the requirements set out in Directive 2002/72/EC should be able to be placed on the market with a declaration of compliance based on supporting documentation in accordance with Directive 2002/72/EC until 5 years after the adoption of the Regulation.
- (47) Analytical methods for testing migration and residual content of vinyl chloride monomer as described in Commission Directives 80/766/EEC of 8 July 1980 laying down the Community method of analysis for the official control of the vinyl chloride monomer level in materials and articles which are intended to come into contact with foodstuffs<sup>(11)</sup> and 81/432/EEC of 29 April 1981 laying down the Community method of analysis for the official control of vinyl chloride released by materials and articles into foodstuffs<sup>(12)</sup> are outdated. Analytical methods should comply with the criteria set out in Article 11 of Regulation (EC) No 882/2004<sup>(13)</sup> of the European Parliament and of the Council on official controls performed to ensure the verification of compliance with feed and food law, animal health and animal welfare rules. Therefore Directives 80/766/EEC and 81/432/EEC should be repealed.
- (48) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on the Food Chain and Animal Health,

HAS ADOPTED THIS REGULATION:

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## CHAPTER I **U.K.**

### GENERAL PROVISIONS

#### Article 1 **U.K.**

##### Subject matter

1 This Regulation is a specific measure within the meaning of Article 5 of Regulation (EC) No 1935/2004.

2 This Regulation establishes specific requirements for the manufacture and marketing of plastic materials and articles:

- a intended to come into contact with food; or
- b already in contact with food; or
- c which can reasonably be expected to come into contact with food.

#### Article 2 **U.K.**

##### Scope

1 This Regulation shall apply to materials and articles which are placed on the EU market and fall under the following categories:

- a materials and articles and parts thereof consisting exclusively of plastics;
- b plastic multi-layer materials and articles held together by adhesives or by other means;
- c materials and articles referred to in points a) or b) that are printed and/or covered by a coating;
- d plastic layers or plastic coatings, forming gaskets in caps and closures, that together with those caps and closures compose a set of two or more layers of different types of materials;
- e plastic layers in multi-material multi-layer materials and articles.

2 This Regulation shall not apply to the following materials and articles which are placed on the EU market and are intended to be covered by other specific measures:

- a ion exchange resins;
- b rubber;
- c silicones.

3 This Regulation shall be without prejudice to the EU or national provisions applicable to printing inks, adhesives or coatings.

#### Article 3 **U.K.**

##### Definitions

For the purpose of this Regulation, the following definitions shall apply:

(1) 'plastic materials and articles' means:

- (a) materials and articles referred to in points (a), (b) and (c) of Article 2(1); and

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- (b) plastic layers referred to in Article 2(1)(d) and (e);
- (2) ‘plastic’ means polymer to which additives or other substances may have been added, which is capable of functioning as a main structural component of final materials and articles;
- (3) ‘polymer’ means any macromolecular substance obtained by:
  - (a) a polymerisation process such as polyaddition or polycondensation, or by any other similar process of monomers and other starting substances; or
  - (b) chemical modification of natural or synthetic macromolecules; or
  - (c) microbial fermentation;
- (4) ‘plastic multi-layer’ means a material or article composed of two or more layers of plastic;
- (5) ‘multi-material multi-layer’ means a material or article composed of two or more layers of different types of materials, at least one of them a plastic layer;
- (6) ‘monomer or other starting substance’ means:
  - (a) a substance undergoing any type of polymerisation process to manufacture polymers; or
  - (b) a natural or synthetic macromolecular substance used in the manufacture of modified macromolecules; or
  - (c) a substance used to modify existing natural or synthetic macromolecules;
- (7) ‘additive’ means a substance which is intentionally added to plastics to achieve a physical or chemical effect during processing of the plastic or in the final material or article; it is intended to be present in the final material or article;
- (8) ‘polymer production aid’ means any substance used to provide a suitable medium for polymer or plastic manufacturing; it may be present but is neither intended to be present in the final materials or articles nor has a physical or chemical effect in the final material or article;
- (9) ‘non-intentionally added substance’ means an impurity in the substances used or a reaction intermediate formed during the production process or a decomposition or reaction product;
- (10) ‘aid to polymerisation’ means a substance which initiates polymerisation and/or controls the formation of the macromolecular structure;
- (11) ‘overall migration limit’ (OML) means the maximum permitted amount of non-volatile substances released from a material or article into food simulants;
- (12) ‘food simulant’ means a test medium imitating food; in its behaviour the food simulant mimics migration from food contact materials;
- (13) ‘specific migration limit’ (SML) means the maximum permitted amount of a given substance released from a material or article into food or food simulants;

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- (14) ‘total specific migration limit’ (SML(T)) means the maximum permitted sum of particular substances released in food or food simulants expressed as total of moiety of the substances indicated;
- (15) ‘functional barrier’ means a barrier consisting of one or more layers of any type of material which ensures that the final material or article complies with Article 3 of Regulation (EC) No 1935/2004 and with the provisions of this Regulation;
- (16) ‘non-fatty food’ means a food for which in migration testing only food simulants other than food simulants D1 or D2 are laid down in Table 2 of Annex V to this Regulation;
- (17) ‘restriction’ means limitation of use of a substance or migration limit or limit of content of the substance in the material or article;
- (18) ‘specification’ means composition of a substance, purity criteria for a substance, physico-chemical characteristics of a substance, details concerning the manufacturing process of a substance or further information concerning the expression of migration limits.

#### Article 4 **U.K.**

### **Placing on the market of plastic materials and articles**

Plastic materials and articles may only be placed on the market if they:

- (a) comply with the relevant requirements set out in Article 3 of Regulation (EC) No 1935/2004 under intended and foreseeable use; and
- (b) comply with the labelling requirements set out in Article 15 of Regulation (EC) No 1935/2004; and
- (c) comply with the traceability requirements set out in Article 17 of Regulation (EC) No 1935/2004; and
- (d) are manufactured according to good manufacturing practice as set out in Commission Regulation (EC) No 2023/2006<sup>(14)</sup>; and
- (e) comply with the compositional and declaration requirements set out in Chapters II, III and IV of this Regulation.

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## CHAPTER II **U.K.**

### COMPOSITIONAL REQUIREMENTS

#### SECTION 1 **U.K.**

##### **Authorised substances**

##### *Article 5* **U.K.**

##### **Union list of authorised substances**

- 1 Only the substances included in the Union list of authorised substances (hereinafter referred to as the Union list) set out in Annex I may be intentionally used in the manufacture of plastic layers in plastic materials and articles.
- 2 The Union list shall contain:
  - a monomers or other starting substances;
  - b additives excluding colorants;
  - c polymer production aids excluding solvents;
  - d macromolecules obtained from microbial fermentation.
- 3 The Union list may be amended in accordance with the procedure established by Articles 8 to 12 of Regulation (EC) No 1935/2004.

##### *Article 6* **U.K.**

##### **Derogations for substances not included in the Union list**

- 1 By way of derogation from Article 5, substances other than those included in the Union list may be used as polymer production aids in the manufacture of plastic layers in plastic materials and articles subject to national law.
- 2 By way of derogation from Article 5, colorants and solvents may be used in the manufacture of plastic layers in plastic materials and articles subject to national law.
- 3 The following substances not included in the Union list are authorised subject to the rules set out in Articles 8, 9, 10, 11 and 12:
  - a salts (including double salts and acid salts) of aluminium, ammonium, barium, calcium, cobalt, copper, iron, lithium, magnesium, manganese, potassium, sodium, and zinc of authorised acids, phenols or alcohols;
  - b mixtures obtained by mixing authorised substances without a chemical reaction of the components;
  - c when used as additives, natural or synthetic polymeric substances of a molecular weight of at least 1 000 Da, except macromolecules obtained from microbial fermentation, complying with the requirements of this Regulation, if they are capable of functioning as the main structural component of final materials or articles;
  - d when used as monomer or other starting substance, pre-polymers and natural or synthetic macromolecular substances, as well as their mixtures, except macromolecules obtained from microbial fermentation, if the monomers or starting substances required to synthesise them are included in the Union list.

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*Status: Point in time view as at 30/12/2011.*

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

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4 The following substances not included in the Union list may be present in the plastic layers of plastic materials or articles:

- a non-intentionally added substances;
- b aids to polymerisation.

5 By derogation from Article 5, additives not included in the Union list may continue to be used subject to national law after 1 January 2010 until a decision is taken to include or not to include them in the Union list provided they are included in the provisional list referred to in Article 7.

#### Article 7 U.K.

### Establishment and management of the provisional list

1 The provisional list of additives that are under evaluation by the European Food Safety Authority (hereinafter referred to as the Authority) that was made public by the Commission in 2008 shall be regularly updated.

2 An additive shall be removed from the provisional list:

- a when it is included in the Union list set out in Annex I; or
- b when a decision is taken by the Commission not to include it in the Union list; or
- c if during the examination of the data, the Authority calls for supplementary information and that information is not submitted within the time limits specified by the Authority.

## SECTION 2 U.K.

### General requirements, restrictions and specifications

#### Article 8 U.K.

### General requirement on substances

Substances used in the manufacture of plastic layers in plastic materials and articles shall be of a technical quality and a purity suitable for the intended and foreseeable use of the materials or articles. The composition shall be known to the manufacturer of the substance and made available to the competent authorities on request.

#### Article 9 U.K.

### Specific requirements on substances

1 Substances used in the manufacture of plastic layers in plastic materials and articles shall be subject to the following restrictions and specifications:

- a the specific migration limit set out in Article 11;
- b the overall migration limit set out in Article 12;
- c the restrictions and specifications set out in column 10 of Table 1 of point 1 of Annex I;
- d the detailed specifications set out in point 4 of Annex I.

2 Substances in nanoform shall only be used if explicitly authorised and mentioned in the specifications in Annex I.

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*Status: Point in time view as at 30/12/2011.*

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## Article 10 **U.K.**

### **General restrictions on plastic materials and articles**

General restrictions related to plastic materials and articles are laid down in Annex II.

## Article 11 **U.K.**

### **Specific migration limits**

- 1 Plastic materials and articles shall not transfer their constituents to foods in quantities exceeding the specific migration limits (SML) set out in Annex I. Those specific migration limits (SML) are expressed in mg of substance per kg of food (mg/kg).
- 2 For substances for which no specific migration limit or other restrictions are provided in Annex I, a generic specific migration limit of 60 mg/kg shall apply.
- 3 By derogation from paragraphs 1 and 2, additives which are also authorised as food additives by Regulation (EC) No 1333/2008 or as flavourings by Regulation (EC) No 1334/2008 shall not migrate into foods in quantities having a technical effect in the final foods and shall not:
  - a exceed the restrictions provided for in Regulation (EC) No 1333/2008 or in Regulation (EC) No 1334/2008 or in Annex I to this Regulation for foods for which their use is authorised as food additive or flavouring substances; or
  - b exceed the restrictions set out in Annex I to this Regulation in foods for which their use is not authorised as food additive or flavouring substances.

## Article 12 **U.K.**

### **Overall migration limit**

- 1 Plastic materials and articles shall not transfer their constituents to food simulants in quantities exceeding 10 milligrams of total constituents released per dm<sup>2</sup> of food contact surface (mg/dm<sup>2</sup>).
- 2 By derogation from paragraph 1, plastic materials and articles intended to be brought into contact with food intended for infants and young children, as defined by Commission Directives 2006/141/EC<sup>(15)</sup> and 2006/125/EC<sup>(16)</sup>, shall not transfer their constituents to food simulants in quantities exceeding 60 milligrams of total of constituents released per kg of food simulant.

*Status: Point in time view as at 30/12/2011.*

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

## CHAPTER III **U.K.**

### SPECIFIC PROVISIONS FOR CERTAIN MATERIALS AND ARTICLES

#### Article 13 **U.K.**

##### **Plastic multi-layer materials and articles**

1 In a plastic multi-layer material or article, the composition of each plastic layer shall comply with this Regulation.

2 By derogation from paragraph 1, a plastic layer which is not in direct contact with food and is separated from the food by a functional barrier, may:

- a not comply with the restrictions and specifications set out in this Regulation except for vinyl chloride monomer as provided in Annex I; and/or
- b be manufactured with substances not listed in the Union list or in the provisional list.

3 The migration of the substances under paragraph 2(b) into food or food simulant shall not be detectable measured with statistical certainty by a method of analysis set out in Article 11 of Regulation (EC) No 882/2004 with a limit of detection of 0,01 mg/kg. That limit shall always be expressed as concentration in foods or food simulants. That limit shall apply to a group of compounds, if they are structurally and toxicologically related, in particular isomers or compounds with the same relevant functional group, and shall include possible set-off transfer.

4 The substances not listed in the Union list or provisional list referred to in paragraph 2(b) shall not belong to either of the following categories:

- a substances classified as ‘mutagenic’, ‘carcinogenic’ or ‘toxic to reproduction’ in accordance with the criteria set out in sections 3.5, 3.6. and 3.7 of Annex I to Regulation (EC) No 1272/2008 of the European Parliament and the Council<sup>(17)</sup>;
- b substances in nanoform.

5 The final plastic multi-layer material or article shall comply with the specific migration limits set out in Article 11 and the overall migration limit set out in Article 12 of this Regulation.

#### Article 14 **U.K.**

##### **Multi-material multi-layer materials and articles**

1 In a multi-material multi-layer material or article, the composition of each plastic layer shall comply with this Regulation.

2 By derogation from paragraph 1, in a multi-material multi-layer material or article a plastic layer which is not in direct contact with food and is separated from the food by a functional barrier, may be manufactured with substances not listed in the Union list or the provisional list.

3 The substances not listed in the Union list or provisional list referred to in paragraph 2 shall not belong to either of the following categories:

- a substances classified as ‘mutagenic’, ‘carcinogenic’ or ‘toxic to reproduction’ in accordance with the criteria set out in sections 3.5, 3.6. and 3.7 of Annex I to Regulation (EC) No 1272/2008;
- b substances in nanoform.



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*Status: Point in time view as at 30/12/2011.*

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4 By derogation from paragraph 1, Articles 11 and 12 of this Regulation do not apply to plastic layers in multi-material multi-layer materials and articles.

5 The plastic layers in a multi-material multi-layer material or article shall always comply with the restrictions for vinyl chloride monomer laid down in Annex I to this Regulation.

6 In a multi-material multi-layer material or article, specific and overall migration limits for plastic layers and for the final material or article may be established by national law.

## CHAPTER IV **U.K.**

### DECLARATION OF COMPLIANCE AND DOCUMENTATION

#### *Article 15* **U.K.**

##### **Declaration of compliance**

1 At the marketing stages other than at the retail stage, a written declaration in accordance with Article 16 of Regulation (EC) No 1935/2004 shall be available for plastic materials and articles, products from intermediate stages of their manufacturing as well as for the substances intended for the manufacturing of those materials and articles.

2 The written declaration referred to in paragraph 1 shall be issued by the business operator and shall contain the information laid down in Annex IV.

3 The written declaration shall permit an easy identification of the materials, articles or products from intermediate stages of manufacture or substances for which it is issued. It shall be renewed when substantial changes in the composition or production occur that bring about changes in the migration from the materials or articles or when new scientific data becomes available.

#### *Article 16* **U.K.**

##### **Supporting documents**

1 Appropriate documentation to demonstrate that the materials and articles, products from intermediate stages of their manufacturing as well as the substances intended for the manufacturing of those materials and articles comply with the requirements of this Regulation shall be made available by the business operator to the national competent authorities on request.

2 That documentation shall contain the conditions and results of testing, calculations, including modelling, other analysis, and evidence on the safety or reasoning demonstrating compliance. Rules for experimental demonstration of compliance are set out in Chapter V.

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*Status: Point in time view as at 30/12/2011.*

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

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## CHAPTER V **U.K.**

### COMPLIANCE

#### Article 17 **U.K.**

##### Expression of migration test results

1 To check the compliance, the specific migration values shall be expressed in mg/kg applying the real surface to volume ratio in actual or foreseen use.

2 By derogation from paragraph 1 for:

- a containers and other articles, containing or intended to contain, less than 500 millilitres or grams or more than 10 litres,
- b materials and articles for which, due to their form it is impracticable to estimate the relationship between the surface area of such materials or articles and the quantity of food in contact therewith,
- c sheets and films that are not yet in contact with food,
- d sheets and films containing less than 500 millilitres or grams or more than 10 litres,

the value of migration shall be expressed in mg/kg applying a surface to volume ratio of 6 dm<sup>2</sup> per kg of food.

This paragraph does not apply to plastic materials and articles intended to be brought into contact with or already in contact with food for infants and young children, as defined by Directives 2006/141/EC and 2006/125/EC.

3 By derogation from paragraph 1, for caps, gaskets, stoppers and similar sealing articles the specific migration value shall be expressed in:

- a mg/kg using the actual content of the container for which the closure is intended or in mg/dm<sup>2</sup> applying the total contact surface of sealing article and sealed container if the intended use of the article is known, while taking into account the provisions of paragraph 2;
- b mg/article if the intended use of the article is unknown.

4 For caps, gaskets, stoppers and similar sealing articles the overall migration value shall be expressed in:

- a mg/dm<sup>2</sup> applying the total contact surface of sealing article and sealed container if the intended use of the article is known;
- b mg/article if the intended use of the article is unknown.

#### Article 18 **U.K.**

##### Rules for assessing compliance with migration limits

1 For materials and articles already in contact with food verification of compliance with specific migration limits shall be carried out in accordance with the rules set out in Chapter 1 of Annex V.

2 For materials and articles not yet in contact with food verification of compliance with specific migration limits shall be carried out in food or in food simulants set out in Annex III in accordance with the rules set out in Chapter 2, Section 2.1 of Annex V.

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*Status: Point in time view as at 30/12/2011.*

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

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3 For materials and articles not yet in contact with food screening of compliance with the specific migration limit can be performed applying screening approaches in accordance with the rules set out in Chapter 2, Section 2.2 of Annex V. If a material or article fails to comply with the migration limits in the screening approach a conclusion of non-compliance has to be confirmed by verification of compliance in accordance with paragraph 2.

4 For materials and articles not yet in contact with food verification of compliance with the overall migration limit shall be carried out in food simulants A, B, C, D1 and D2 as set out in Annex III in accordance with the rules set out in Chapter 3, Section 3.1 of Annex V.

5 For materials and articles not yet in contact with food screening of compliance with the overall migration limit can be performed applying screening approaches in accordance with the rules set out in Chapter 3, Section 3.4 of Annex V. If a material or article fails to comply with the migration limit in the screening approach a conclusion of non-compliance has to be confirmed by verification of compliance in accordance with paragraph 4.

6 The results of specific migration testing obtained in food shall prevail over the results obtained in food simulant. The results of specific migration testing obtained in food simulant shall prevail over the results obtained by screening approaches.

7 Before comparing specific and overall migration test results with the migration limits the correction factors in Chapter 4 of Annex V shall be applied in accordance with the rules set out therein.

*Article 19* **U.K.**

#### **Assessment of substances not included in the Union list**

Compliance with Article 3 of Regulation (EC) No 1935/2004 of substances referred to in Articles 6(1), 6(2), 6(4), 6(5) and 14(2) of this Regulation which are not covered by an inclusion in Annex I to this Regulation shall be assessed in accordance with internationally recognised scientific principles on risk assessment.

CHAPTER VI **U.K.**

#### **FINAL PROVISIONS**

*Article 20* **U.K.**

#### **Amendments of EU acts**

The Annex to Council Directive 85/572/EEC<sup>(18)</sup> is replaced by the following:

‘The food simulants to be used for testing migration of constituents of plastic materials and articles intended to come into contact with a single food or specific groups of foods are set out in point 3 of Annex III to Commission Regulation (EU) No 10/2011.’

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*Status: Point in time view as at 30/12/2011.*

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

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## Article 21 **U.K.**

### **Repeal of EU acts**

Directives 80/766/EEC, 81/432/EEC, and 2002/72/EC are hereby repealed with effect from 1 May 2011.

References to the repealed Directives shall be construed as references to this Regulation and shall be read in accordance with the correlation tables in Annex VI.

## Article 22 **U.K.**

### **Transitional provisions**

1 Until 31 December 2012 the supporting documents referred to in Article 16 shall be based on the basic rules for overall and specific migration testing set out in the Annex to Directive 82/711/EEC.

2 As from 1 January 2013 the supporting documents referred to in Article 16 for materials, articles and substances placed on the market until 31 December 2015, may be based on:

- a the rules for migration testing set out in Article 18 of this Regulation; or
- b the basic rules for overall and specific migration testing set out in the Annex to Directive 82/711/EEC.

3 As from 1 January 2016, the supporting documents referred to in Article 16 shall be based on the rules for migration testing set out in Article 18, without prejudice to paragraph 2 of this Article.

4 Until 31 December 2015 additives used in glass fibre sizing for glass fibre reinforced plastics which are not listed in Annex I have to comply with the risk assessment provisions set out in Article 19.

5 Materials and articles that have been lawfully placed on the market before 1 May 2011 may be placed on the market until 31 December 2012.

## Article 23 **U.K.**

### **Entry into force and application**

This Regulation shall enter into force on the 20th day following its publication in the *Official Journal of the European Union*.

It shall apply from 1 May 2011.

The provision of Article 5 as regards the use of additives, others than plasticisers, shall apply for plastic layers or plastic coatings in caps and closures referred to in Article 2(1) (d), as from 31 December 2015.

The provision of Article 5 as regards the use of additives used in glass fibre sizing for glass fibre reinforced plastics, shall apply from 31 December 2015.

The provisions of Articles 18(2), 18(4) and 20 shall apply from 31 December 2012.

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*Status: Point in time view as at 30/12/2011.*

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

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This Regulation shall be binding in its entirety and directly applicable in the Member States in accordance with the Treaties.

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*Status: Point in time view as at 30/12/2011.*

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

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## ANNEX I U.K.

### Substances

1. Union list of authorised monomers, other starting substances, macromolecules obtained from microbial fermentation, additives and polymer production aids U.K.

Table 1 contains the following information:

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

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

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

Column 4 (Substance Name): the chemical name

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

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

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

Column 8 (SML [mg/kg]): the specific migration limit applicable for the substance. It is expressed in mg substance per kg food. It is indicated ND if the substance shall not migrate in detectable quantities.

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

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

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

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

If in Column 8 the specific migration limit is non-detectable (ND) a detection limit of 0,01 mg substance per kg food is applicable unless specified differently for an individual substance.

*Status: Point in time view as at 30/12/2011.*

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

TABLE 1

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
FCM substance No	Ref. No	CAS No	Substance name	Use as additive or polymer product aid (yes/no)	Use as monomer or other starting substance or macromolecule obtained from microbial fermentation (yes/no)	FRF applicable (no)	SML [mg/kg]	SML (T) [mg/kg] (Group restriction No)	Restrictions and specifications	Notes on certification of compliance
1	12310	0266309	albumin <sup>a</sup>	no	yes	no				
2	12340	—	albumin coagulated by formaldehyde	no	yes	no				
3	12375	—	alcohols, aliphatic, monohydric, saturated, linear, primary (C <sub>4</sub> -C <sub>22</sub> )	no	yes	no				
4	22332	—	mixture of (40 % w/w) 2,2,4-trimethylhexane-1,6-diisocyanate and (60 % w/w)	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety.	(10)

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>f</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

*Status: Point in time view as at 30/12/2011.*

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			2,4,4-trimethylhexane-1,6-diisocyanate						
5	25360	—	trialkyl(C <sub>6</sub> -C <sub>15</sub> )acetic acid, 2,3-epoxypropyl ester	yes	no	ND		1 mg/kg in final product expressed as epoxygroup. Molecular weight is 43 Da.	
6	25380	—	trialkyl acetic acid (C <sub>7</sub> -C <sub>17</sub> ), vinyl esters	no	yes	no	0,05		(1)
7	30370	—	acetylates	no	no				
8	30401	—	acetylates mono- and diglycerides of fatty acids	no	no		(32)		
9	30610	—	acids, C <sub>2</sub> -C <sub>24</sub> , aliphatic, linear, monocarboxylic from natural oils	yes	no	no			

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** [<sup>f</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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			and fats, and their mono-, di- and triglycerol esters (branched fatty acids at naturally occurring levels are included)							
10	30612	—	acids, C <sub>2</sub> - C <sub>24</sub> , aliphatic, linear, monocarboxylic, synthetic and their mono-, di- and triglycerol esters	yes	no	no				
11	30960	—	acids, aliphatic, monocarboxylic (C <sub>6</sub> - C <sub>22</sub> ), esters with polyglycerol	yes	no	no				
12	31328	—	acids, fatty, from	yes	no	no				

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** [<sup>F</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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			animal or vegetable food fats and oils							
13	33120	—	alcohols, aliphatic, monohydric, saturated, linear, primary (C <sub>4</sub> - C <sub>24</sub> )	yes	no	no				
14	33801	—	n- alkyl(C <sub>10</sub> - C <sub>13</sub> ) benzenesulphonic acid	yes	no	no	30			
15	34130	—	alkyl, linear with even number of carbon atoms (C <sub>12</sub> - C <sub>20</sub> ) dimethylamines	yes	no	yes	30			
16	34230	—	alkyl(C <sub>8</sub> - C <sub>22</sub> ) sulphonic acids	yes	no	no	6			
17	34281	—	alkyl(C <sub>8</sub> - C <sub>22</sub> ) sulphuric acids, linear, primary with	yes	no	no				

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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			an even number of carbon atoms						
18	34475	—	aluminium, calcium hydroxide phosphite, hydrate	yes	no	no			
19	39090	—	N,N-bis(2-hydroxyethyl)alkyl(C <sub>8</sub> -C <sub>18</sub> )amine	yes	no	no		(7)	
20	39120	—	N,N-bis(2-hydroxyethyl)alkyl(C <sub>8</sub> -C <sub>18</sub> )amine hydrochlorides	yes	no	no		(7)	SML(T) expressed excluding HCl
21	42500	—	carbonic acid, salts	yes	no	no			
22	43200	—	castor oil, mono- and diglycerides	yes	no	no			
23	43515	—	chlorides of choline esters of coconut oil fatty acids	yes	no	no	0,9		(1)
24	45280	—	cotton fibers	yes	no	no			

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

*Status: Point in time view as at 30/12/2011.*

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25	45440	—	cresols, yes butylated, styrenated	no	no	12			
26	46700	—	5,7-di- tert- butyl-3- (3,4- and 2,3- dimethylphenyl)-3H- benzofuran-2- one containing: a) 5,7- di-tert- butyl-3- (3,4- dimethylphenyl)-3H- benzofuran-2- one (80 to 100 % w/w) and b) 5,7-di- tert- butyl-3- (2,3- dimethylphenyl)-3H- benzofuran-2- one (0 to 20 % w/ w)	yes	no	no	5		
27	48960	—	9,10- dihydroxy stearic acid and its oligomers	yes	no	no	5		

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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28	50160	—	di-n-octyltin bis(n-alkyl(C <sub>10</sub> -C <sub>16</sub> ) mercaptoacetate)	yes	no	no		(10)		
29	50360	—	di-n-octyltin bis(ethyl maleate)	yes	no	no		(10)		
30	50560	—	di-n-octyltin 1,4-butanediol bis(mercaptoacetate)	yes	no	no		(10)		
31	50800	—	di-n-octyltin dimaleate, esterified	yes	no	no		(10)		
32	50880	—	di-n-octyltin dimaleate, polymers (n = 2-4)	yes	no	no		(10)		
33	51120	—	di-n-octyltin thiobenzoate 2-ethylhexyl mercaptoacetate	yes	no	no		(10)		
34	54270	—	ethylhydroxyethylcellulose	yes	no	no				
35	54280	—	ethylhydroxypropylcellulose	yes	no	no				
36	54450	—	fats and oils, from animal	yes	no	no				

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>F</sup>Infant as defined in Article 2 of Directive 2006/141/EC.]

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

*Status: Point in time view as at 30/12/2011.*

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			or vegetable food sources							
37	54480	—	fats and oils, hydrogenated, from animal or vegetable food sources	yes	no	no				
38	55520	—	glass fibers	yes	no	no				
39	55600	—	glass microballs	yes	no	no				
40	56360	—	glycerol esters with acetic acid	yes	no	no				
41	56486	—	glycerol esters with acids, aliphatic, saturated, linear, with an even number of carbon atoms (C <sub>14</sub> -C <sub>18</sub> ) and	yes	no	no				

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

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			with acids, aliphatic, unsaturated, linear, with an even number of carbon atoms (C <sub>16</sub> -C <sub>18</sub> )						
42	56487	—	glycerol esters with butyric acid	yes	no	no			
43	56490	—	glycerol esters with erucic acid	yes	no	no			
44	56495	—	glycerol esters with 12-hydroxystearic acid	yes	no	no			
45	56500	—	glycerol esters with lauric acid	yes	no	no			
46	56510	—	glycerol esters with linoleic acid	yes	no	no			

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

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47	56520	—	glycerol, yes esters with myristic acid	no	no				
48	56535	—	glycerol, yes esters with nonanoic acid	no	no				
49	56540	—	glycerol, yes esters with oleic acid	no	no				
50	56550	—	glycerol, yes esters with palmitic acid	no	no				
51	56570	—	glycerol, yes esters with propionic acid	no	no				
52	56580	—	glycerol, yes esters with ricinoleic acid	no	no				
53	56585	—	glycerol, yes esters with stearic acid	no	no				
54	57040	—	glycerol, yes monooleate, ester with	no	no				

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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			ascorbic acid						
55	57120	—	glycerol monooleate, ester with citric acid	yes	no	no			
56	57200	—	glycerol monopalmitate, ester with ascorbic acid	yes	no	no			
57	57280	—	glycerol monopalmitate, ester with citric acid	yes	no	no			
58	57600	—	glycerol monostearate, ester with ascorbic acid	yes	no	no			
59	57680	—	glycerol monostearate, ester with citric acid	yes	no	no			
60	58300	—	glycine, salts	yes	no	no			
62	64500	—	lysine, salts	yes	no	no			
63	65440	—	manganese pyrophosphite	yes	no	no			

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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64	66695	—	methylhydroxymethylcellulose	yes	no	no			
65	67155	—	mixture of 4-(2-benzoxazolyl)-4-(5-methyl-2-benzoxazolyl)stilbene, 4,4'-bis(2-benzoxazolyl)stilbene and 4,4'-bis(5-methyl-2-benzoxazolyl)stilbene	yes	no	no			Not more than 0,05 % (w/w) (quantity of substance used/ quantity of the formulation). Mixture obtained from the manufacturing process in the typical ratio of (58-62 %): (23-27 %): (13-17 %).
66	67600	—	mono-n-octyltris(alkyl(C <sub>10</sub> -C <sub>16</sub> )mercaptoacetate)	yes	no	no		(11)	
67	67840	—	montanic acids and/or their esters with	yes	no	no			

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

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			ethyleneglycol and/or with 1,3- butanediol and/or with glycerol						
68	73160	—	phosphoric acid, mono- and di- n-alkyl (C <sub>16</sub> and C <sub>18</sub> ) esters	yes	no	yes	0,05		
69	74400	—	phosphoric acid, tris(nonyl- and/or dinonylphenyl) ester	yes	no	yes	30		
70	76463	—	polyacrylic acid, salts	yes	no	no	(22)		
71	76730	—	polydimethylsiloxane, γ- hydroxypropylated	yes	no	no	6		
72	76815	—	polyester of adipic acid with glycerol or pentaerythritol, esters with even	yes	no	no	(32)	The fraction with molecular weight below 1 000 Da should not exceed	

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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			numbered, unbranched C <sub>12</sub> - C <sub>22</sub> fatty acids				5 % (w/w)	
73	76866	—	polyesters of 1,2- propanediol and/ or 1,3- and/ or 1,4- butanediol and/or polypropyleneglycol with adipic acid, which may be end- capped with acetic acid or fatty acids C <sub>12</sub> - C <sub>18</sub> or n- octanol and/ or n- decanol	yes	no	yes	(31) (32)	
74	77440	—	polyethyleneglycol dibutyladipate	yes	no	yes	42	
75	77702	—	polyethyleneglycol esters of	yes	no	no		

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** <sup>[1]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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			aliph. monocarb. acids (C <sub>6</sub> -C <sub>22</sub> ) and their ammonium and sodium sulphates						
76	77732	—	polyethylene glycol (EO = 1-30, typically 5) ether of butyl 2-cyano 3-(4-hydroxy-3-methoxyphenyl) acrylate	yes	no	no	0,05		Only for use in PET
77	77733	—	polyethylene glycol (EO = 1-30, typically 5) ether of butyl-2-cyano-3-(4-hydroxyphenyl) acrylate	yes	no	no	0,05		Only for use in PET
78	77897	—	polyethylene glycol (EO = 1-50)	yes	no	no	5		

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

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			monoalkylether (linear and branched, C <sub>8</sub> - C <sub>20</sub> ) sulphate, salts						
79	80640	—	polyoxyalkyl (C <sub>2</sub> - C <sub>4</sub> ) dimethylpolysiloxane	no	no				
80	81760	—	powders flakes and fibres of brass, bronze, copper, stainless steel, tin, iron and alloys of copper, tin and iron	yes	no	no			
81	83320	—	propylhydroxyethylcellulose	yes	no	no			
82	83325	—	propylhydroxymethylcellulose	yes	no	no			
83	83330	—	propylhydroxypropylcellulose	yes	no	no			
84	85601	—	silicates, natural (with the exception	yes	no	no			

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

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			of asbestos)						
85	85610	—	silicates, yes natural, silanated (with the exception of asbestos)	no	no				
86	86000	—	silicic acid, silylated	yes	no	no			
87	86285	—	silicon dioxide, silanated	yes	no	no			
88	86880	—	sodium monoalkyl dialkylphenoxybenzenedisulphonate	yes	no	no	9		
89	89440	—	stearic acid, esters with ethyleneglycol	yes	no	no		(2)	
90	92195	—	taurine, salts	yes	no	no			
91	92320	—	tetradecyl polyethyleneglycol (EO = 3-8) ether of glycolic acid	yes	no	yes	15		
92	93970	—	tricyclic bis(hexahydrophthalate)	yes	no	no	0,05		
93	95858	—	waxes, paraffinic, refined,	yes	no	no	0,05		Not to be used

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

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			derived from petroleum based or synthetic hydrocarbon feedstocks, low viscosity					for articles in contact with fatty foods for which simulant D is laid down. Average molecular weight not less than 350 Da. Viscosity at 100 °C not less than 2,5 cSt (2,5 × 10 <sup>-6</sup> m <sup>2</sup> /s). Content of hydrocarbons with Carbon number less than 25, not more than
<b>a</b>	OJ L 302, 19.11.2005, p. 28.							
<b>b</b>	OJ L 330, 5.12.1998, p. 32.							
<b>c</b>	OJ L 253, 20.9.2008, p. 1.							
<b>d</b>	OJ L 226, 22.9.1995, p. 1.							
<b>e</b>	OJ L 158, 18.6.2008, p. 17.							
<b>f</b>	[ <sup>F</sup> Infant as defined in Article 2 of Directive 2006/141/EC.							
<b>g</b>	This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]							



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									40 % (w/w).
94	95859	—	waxes, refined, derived from petroleum based or synthetic hydrocarbon feedstocks, high viscosity	yes	no	no			Average molecular weight not less than 500 Da. Viscosity at 100 °C not less than 11 cSt (11 × 10 <sup>-6</sup> m <sup>2</sup> /s). Content of mineral hydrocarbons with Carbon number less than 25, not more than 5 % (w/w).
95	95883	—	white mineral oils, paraffinic, derived from petroleum based	yes	no	no			Average molecular weight not less than 480 Da.

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

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			hydrocarbon feedstocks						Viscosity at 100 °C not less than 8,5 cSt (8,5 × 10 <sup>-6</sup> m <sup>2</sup> /s). Content of mineral hydrocarbons with Carbon number less than 25, not more than 5 % (w/w).
96	95920	—	wood flour and fibers, untreated	yes	no	no			
97	72081/10	—	petroleum hydrocarbon resins (hydrogenated)	yes	no	no			Petroleum hydrocarbon resins, hydrogenated are produced by the catalytic or thermal polymerisation of dienes and

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F<sup>1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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								olefins of the aliphatic, alicyclic and/or monobenzenoidarylalkene types from distillates of cracked petroleum stocks with a boiling range not greater than 220 °C, as well as the pure monomers found in these distillation streams, subsequently followed by distillation, hydrogenation and additional processing.	
								Properties:	
								—	Viscosity at 120 °C:
<b>a</b>	OJ L 302, 19.11.2005, p. 28.								
<b>b</b>	OJ L 330, 5.12.1998, p. 32.								
<b>c</b>	OJ L 253, 20.9.2008, p. 1.								
<b>d</b>	OJ L 226, 22.9.1995, p. 1.								
<b>e</b>	OJ L 158, 18.6.2008, p. 17.								
<b>f</b>	[ <sup>F1</sup> Infant as defined in Article 2 of Directive 2006/141/EC.								
<b>g</b>	This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]								

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									—	> 3 Pa.s, Softening point: > 95 °C as determined by ASTM Method E 28-67, Bromine number: < 40 (ASTM D1159), The colour of a 50 % solution in toluene < 11 on the Gardner scale, Residual aromatic monomer ≤ 50 ppm,
<b>a</b>	OJ L 302, 19.11.2005, p. 28.									
<b>b</b>	OJ L 330, 5.12.1998, p. 32.									
<b>c</b>	OJ L 253, 20.9.2008, p. 1.									
<b>d</b>	OJ L 226, 22.9.1995, p. 1.									
<b>e</b>	OJ L 158, 18.6.2008, p. 17.									
<b>f</b>	[ <sup>F</sup> Infant as defined in Article 2 of Directive 2006/141/EC.									
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98	17260	0000050600-0	Formaldehyde	yes	no	(15)			
	54880								
99	19460	0000050121-6	Lactic acid	yes	yes	no			
	62960								
100	24490	0000050570-1	Sorbitol	yes	yes	no			
	88320								
101	36000	0000050487-7	Ascorbic acid	yes	no	no			
102	17530	0000050999-7	Glycerol	no	yes	no			
103	18100	0000050681-6	Glycerol	yes	yes	no			
	55920								
104	58960	0000057094-0	Dodecyltrimethylammonium bromide	no	no	no	6		
105	22780	0000057101-1	Palmitic acid	yes	yes	no			
	70400								
106	24550	0000057124-4	Stearic acid	yes	yes	no			
	89040								
107	25960	0000057136-6	Urea	no	yes	no			
108	24880	0000057150-0	Sorbitol	no	yes	no			
109	23740	0000057153-6	1,3-propanediol	yes	yes	no			
	81840								
110	93520	0000059002-9 0010191401-9	Hydroxyethyl ether of polypropylene glycol	yes	no	no			
111	53600	0000060010-4	Benzoic acid	yes	no	no			
112	64015	0000060120-3	Malic acid	yes	no	no			
113	16780	0000064117-5	Ethanol	yes	yes	no			
	52800								

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

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114	55040	000006418-0	Formic acid	yes	no	no			
115	10090	000006419-0	Acetic acid	yes	yes	no			
	30000								
116	13090	000006585-0	Benzoic acid	yes	yes	no			
	37600								
117	21550	000006754-0	Ethanol	no	yes	no			
118	23830	000006763-0	Propanol	yes	yes	no			
	81882								
119	30295	000006764-0	Ethylene glycol	yes	no	no			
120	49540	000006768-0	Dimethyl sulphoxide	no	no	no			
121	24270	000006977-0	Salicylic acid	yes	yes	no			
	84640								
122	23800	0000071123-8	Propanol	no	yes	no			
123	13840	0000071136-3	Butanol	no	yes	no			
124	22870	0000071141-0	Pentanol	no	yes	no			
125	16950	000007485-0	Ethylene glycol	no	yes	no			
126	10210	000007486-0	Ethylene glycol	no	yes	no			
127	26050	000007501-0	Silver chloride	no	yes	no	ND		1 mg/kg in final product
128	10060	000007507-0	Formaldehyde	yes	no		(1)		
129	17020	000007521-0	Ethylene oxide	no	yes	no	ND		1 mg/kg in final product (10)

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

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130	26110	0000075354	vinylidene chloride	yes	no	ND			(1)
131	48460	0000075137-6	1,1-difluoroethane	yes	no	no			
132	26140	0000075387	vinylidene fluoride	yes	no	5			
133	14380	0000075446	1,1-dichloro-2,2-bis(4-phenyl)ethane	yes	no	ND		1 mg/kg in final product	(10)
	23155								
134	43680	0000075456	1,1-dichloro-2,2-difluoroethane	yes	no	6		Content of chlorofluoromethane less than 1 mg/kg of the substance	
135	24010	0000075569	propylene oxide	yes	no	ND		1 mg/kg in final product	
136	41680	0000076222	phthalic anhydride	yes	no	no			(3)
137	66580	0000077262-3	1,1'-methylenebis(4-methyl-6-(1-methylcyclohexyl)phenol)	yes	no	yes		(5)	
138	93760	0000077407	butyl acetyl citrate	yes	no	no		(32)	
139	14680	0000077929	citric acid	yes	yes	no			
	44160								
140	44640	0000077930	citric acid, calcium salt	yes	no	no		(32)	

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

**Status:** Point in time view as at 30/12/2011.

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

			triethyl ester						
141	13380	0000077199-6	yes	yes	no	6			
	25600		trimethylolpropane						
	94960								
142	26305	0000078081-0	triethoxysilanes	yes	no	0,05		Only to be used as a surface treatment agent	(1)
143	62450	0000078158-4	pentane	yes	no	no			
144	19243	0000078279-5	no	yes	no	ND		1 mg/kg in final product	
	21640		methyl-1,3-butadiene						
145	10630	0000079006-1	amide	yes	no	ND			
146	23890	0000079009-1	ionic acid	yes	no				
	82000								
147	10690	0000079101-1	acrylic acid	no	yes	no		(22)	
148	14650	0000079188-0	trifluoroethylene	yes	no	ND			(1)
149	19990	0000079201-0	methacrylamide	yes	no	ND			
150	20020	0000079214-1	methacrylic acid	yes	no			(23)	
151	13480	0000080205-7	no	yes	no	0,6		[ <sup>f</sup> Not to be used for the manufacture of polycarbonate infant <sup>f</sup>	
	13607		bis(4-hydroxyphenyl)propane						

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>f</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]



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									feeding bottles <sup>g</sup> ]	
152	15610	0000080407-9	no dichlorodiphenyl sulphone	yes	no	0,05				
153	15267	0000080408-0	no diaminodiphenyl sulphone	yes	no	5				
154	13617	0000080409-1	no dihydroxydiphenyl sulphone	yes	no	0,05				
	16090									
155	23470	0000080456-8	no pinene	yes	no					
156	21130	0000080462-6	no acrylic acid, methyl ester	yes	no		(23)			
157	74880	0000084742-1	yes phthalic acid, dibutyl ester	yes	no	no	0,3	(32)	Only to be used as: (a)  (b)	(7)  plasticiser in repeated use materials and articles contacting non-fatty foods; technical support agent in polyolefins in concentrations up

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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										to 0,05 % in the final product.
158	23380 76320	0000085	phthalic anhydride	yes	yes	no				
159	74560	0000085	phthalic acid, benzyl butyl ester	yes	no	no	30	(32)	Only to be used as: (a)  (b)	(7)  plasticiser in repeated use materials and articles; plasticiser in single-use materials and articles contacting non-fatty foods except for infant formulae and follow-on formulae as defined

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** [<sup>F1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.]

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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										by Directive 2006/141/EC or processed cereal-based foods and baby foods for infants and young children as defined by Directive 2006/125/EC; technical support agent in concentrations up to 0,1 % in the final product.
160	84800	0000087	salicylic acid, 4-tert-butylphenyl ester	yes	no	yes	12			
<b>a</b>	OJ L 302, 19.11.2005, p. 28.									
<b>b</b>	OJ L 330, 5.12.1998, p. 32.									
<b>c</b>	OJ L 253, 20.9.2008, p. 1.									
<b>d</b>	OJ L 226, 22.9.1995, p. 1.									
<b>e</b>	OJ L 158, 18.6.2008, p. 17.									
<b>f</b>	[ <sup>F1</sup> Infant as defined in Article 2 of Directive 2006/141/EC.									
<b>g</b>	This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]									

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161	92160	0000087469-4	benzoic acid	yes	no	no				
162	65520	000008778-6	nitrobenzene	yes	no	no				
163	66400	000008822-4	methylene bis(4-ethyl-6-tert-butylphenol)	yes	no	yes		(13)		
164	34895	000008826-6	aminobenzamide	yes	no	no	0,05		Only for use in PET for water and beverages	
165	23200	000008899-3	phthalic acid	yes	yes	no				
	74480									
166	24057	000008932-7	phthalic anhydride	yes	yes	no	0,05			
167	25240	000009120-7	toluene diisocyanate	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety (10)	
168	13075	000009127-9	diamino-6-phenyl-1,3,5-triazine	no	yes	no	5			(1)
	15310									
169	16240	000009137-4	dimethyl-4,4'-diisocyanatobiphenyl	no	yes	no		(17)	1 mg/kg in final product expressed (10)	

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

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									as isocyanate moiety
170	16000	0000092488-6	488-6 dihydroxybiphenyl	no	yes	no	6		
171	38080	0000093582-3	582-3 benzoic acid, methyl ester	yes	no	no			
172	37840	0000093589-0	589-0 benzoic acid, ethyl ester	yes	no	no			
173	60240	0000094413-3	413-3 hydroxybenzoic acid, propyl ester	yes	no	no			
174	14740	0000095648-7	648-7 cresol	no	yes	no			
175	20050	0000096059-9	6059-9 methacrylic acid, allyl ester	no	yes	no	0,05		
176	11710	0000096337-1c	6337-1c acrylic acid, methyl ester	no	yes	no		(22)	
177	16955	0000096491-9	6491-9 ethylene carbonate	no	yes	no	30		SML expressed as ethyleneglycol. Residual content of 5 mg ethylene carbonate per

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

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									kg of hydrogel with max 10 g of hydrogel in contact with 1 kg of food.
178	92800	000009649-5	thiobis(6-tert-butyl-3-methylphenol)	yes	no	yes	0,48		
179	48800	000009722-4	dihydroxy-5,5'-dichlorodiphenylmethane	yes	no	yes	12		
180	17160	000009753-0	phenol	no	yes	no	ND		
181	20890	000009763-2	acrylic acid, ethyl ester	no	yes	no		(23)	
182	19270	000009765-0	acetic acid	no	yes	no			
183	21010	000009784-9	acrylic acid, isobutyl ester	no	yes	no		(23)	
184	20110	000009788-1	acrylic acid, butyl ester	no	yes	no		(23)	
185	20440	000009790-5	acrylic acid, diester	no	yes	no	0,05		

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

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**Status:** Point in time view as at 30/12/2011.

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

			with ethyleneglycol						
186	14020	00000984564	4-tert-butylphenol	no	yes	no	0,05		
187	22210	0000098683-9	methylstyrene	no	yes	no	0,05		
188	19180	00000991608	phthalic acid dichloride	no	yes	no		(27)	
189	60200	0000099476-3	hydroxybenzoic acid, methyl ester	yes	no	no			
190	18880	0000099996-7	hydroxybenzoic acid	no	yes	no			
191	24940	00001001009	phthalic acid dichloride	no	yes	no		(28)	
192	23187	—	phthalic acid	no	yes	no		(28)	
193	24610	0000100542-5	styrene	no	yes	no			
194	13150	0000100561-6	benzyl alcohol	no	yes	no			
195	37360	0000100562-7	benzaldehyde	no	no	no			(3)
196	18670	0000100607-0	hexamethylene tetramine	no	no	no		(15)	
	59280								
197	20260	0000101431-9	methacrylic acid, cyclohexyl ester	no	yes	no	0,05		
198	16630	0000101461-8	diphenylmethane 4,4'-diisocyanate	no	no	no		(17)	1 mg/kg in final (10)

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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									product expressed as isocyanate moiety	
199	24073	000010	100-6-1 isocyanate diglycidyl ether	yes	no	ND			Not to be used for articles in contact with fatty foods for which simulant D is laid down. For indirect food contact only, behind a PET layer.	(8)
200	51680	000010	208-9 diphenylthiourea	yes	no	yes	3			
201	16540	000010	209-6 phenyl carbonate	no	yes	no	0,05			
202	23070	000010	219-6 phenylenedioxy diacetic acid	no	yes	no	0,05			(1)
203	13323	000010	240-9 bis(2-hydroxyethoxy)benzene	no	yes	no	0,05			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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204	25180	00001022603N	N,N'-tetrakis(2-hydroxypropyl)ethylenediamine	yes	yes	no			
	92640								
205	25385	00001022705N	Hyamine		yes	no			40 mg/kg hydrogel at a ratio of 1 kg food to a maximum of 1,5 grams of hydrogel. Only to be used in hydrogels intended for non-direct food contact use.
206	11500	00001032311C	acrylic acid, 2-ethylhexyl ester	no	yes	no	0,05		
207	31920	00001032312C	acrylic acid, bis(2-ethylhexyl) ester	yes	no	yes	18	(32)	(2)

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

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208	18898	000010330042	330042 hydroxyphenyl) acetamide	no	yes	no	0,05			
209	17050	0000104276-7	4276-7 ethyl-1- hexanol	no	yes	no	30			
210	13390	0000105108-8	5108-8 bis(hydroxymethyl)cyclohexane	no	yes	no				
	14880									
211	23920	0000105381-1	5381-1 acid, vinyl ester	no	yes	no		(1)		
212	14200	0000105602-2	5602-2 caprolactam	yes	yes	no		(4)		
	41840									
213	82400	0000105462-4	5462-4 propyleneglycol dioleate	yes	no	no				
214	61840	0000106124-9	6124-9 hydroxystearic acid	yes	no	no				
215	14170	0000106510-0	6510-0 butyric anhydride	no	yes	no				
216	14770	0000106744-5	6744-5 cresol	no	yes	no				
217	15565	0000106446-7	6446-7 dichlorobenzene	no	yes	no	12			
218	11590	0000106631-1	6631-1 acid, isobutyl ester	no	yes	no		(22)		
219	14570	0000106892-8	6892-8 chloro- hydrin	yes	yes	no	ND		1 mg/ kg in final product	(10)
	16750									

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

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220	20590	0000106912	acrylic acid, 2,3-epoxypropyl ester	yes	no	0,02		(10)
221	40570	0000106978	butane	yes	no	no		
222	13870	0000106498-9	butene	no	yes	no		
223	13630	0000106900	butadiene	no	yes	no	ND	1 mg/kg in final product
224	13900	0000107201-7	butene	no	yes	no		
225	12100	0000107431	butyrolactone	yes	no	ND		
226	15272	0000107115	butylenediamine	yes	no	12		
	16960							
227	16990	0000107211	ethylene glycol	yes	no		(2)	
	53650							
228	13690	0000107183-0	butanediol	no	yes	no		
229	14140	0000107502	butyric acid	no	yes	no		
230	16150	0000108401	butylaminoethanol	yes	no	18		
231	10120	0000108054	butyric acid, vinyl ester	no	yes	no	12	
232	10150	0000108247	butyric anhydride	yes	yes	no		
	30280							
233	24850	0000108310	butyric anhydride	no	yes	no		

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

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234	19960	0000108316c	maleic anhydride	no	yes	no		(3)		
235	14710	0000108779-4	cresol	no	yes	no				
236	23050	0000108445-2	phenylenediamine	no	yes	no	ND			
237	15910	0000108446-3	2,4-dihydroxybenzene	no	yes	no	2,4			
	24072									
238	18070	0000108554a	glutaric anhydride	no	yes	no				
[ <sup>F2</sup> 239	19975	0000108274,6-1	2,4,6-triamino-1,3,5-triazine	yes	yes	no	2,5			
	25420									
	93720]									
240	45760	00001089118	hexylamine	no	yes	no				
241	22960	0000108952b	phenol	no	yes	no				
242	85360	0000109483a	butyric acid, dibutyl ester	yes	no	no		(32)		
243	19060	0000109530b	isobutyl vinyl ether	no	yes	no	0,05			(10)
244	71720	0000109661a	pentane	yes	no	no				
245	22900	0000109467-1	pentene	no	yes	no	5			
246	25150	0000109499b	2-hydroxyfuran	yes	yes	no	0,6			
247	24820	0000110156c	succinic acid	yes	yes	no				
	90960									
248	19540	0000110147c	maleic acid	yes	yes	no		(3)		
	64800									
249	17290	0000110178a	fumaric acid	yes	yes	no				

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** [<sup>F1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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	55120									
250	53520	00001103,05	ethylenebisstearamide	yes	no	no				
251	53360	00001103,N6	ethylenebisoleamide	yes	no	no				
252	87200	00001104,1c	sebacic acid	yes	no	no				
253	15250	00001104,0-1	diaminobutane	no	yes	no				
254	13720	00001104,3-4	butanediol	yes	yes	no	(30)			
	40580									
255	25900	00001104,8-3	terephthalic acid	no	yes	no	5			
256	18010	00001104,9	glutaric acid	yes	yes	no				
	55680									
257	13550	00001104,9,5	propylene glycol	yes	yes	no				
	16660									
	51760									
258	70480	00001104,8	phthalic acid, butyl ester	yes	no	no				
259	58720	00001104,8	heptanoic acid	yes	no	no				
260	24280	00001104,8	sebacic acid	no	yes	no				
261	15790	00001104,0	dodecyltrimethylamine	yes	no	no	5			
262	35284	00001104,2	N-(2-aminoethyl)ethanolamine	yes	no	no	0,05			Not to be used for articles in contact

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

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										with fatty foods for which simulant D is laid down. For indirect food contact only, behind a PET layer.
263	13326	0000112416	1466-ethylene glycol	yes	yes	no		(2)		
	15760									
	47680									
264	22660	0000112466-0	1466-0 octene	no	yes	no	15			
265	22600	0000112487-5	1487-5 octanol	no	yes	no				
266	25510	0000112477	1477-ethylene glycol	yes	yes	no				
	94320									
267	15100	0000112430-1	1430-1 decanol	no	yes	no				
268	16704	0000112441-4	1441-4 dodecene	no	yes	no	0,05			
269	25090	0000112407	1407-ethylene glycol	yes	yes	no				
	92350									
270	22763	0000112801	1801-acid	yes	yes	no				
	69040									
271	52720	0000112845	1845-amides	yes	no	no				

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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272	37040	00001125856	benzoic acid	yes	no	no			
273	52730	00001125867	terephthalic acid	yes	no	no			
274	22570	00001125969	decyl isocyanate	no	yes	no	(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
275	23980	00001150071	polyethylene	no	yes	no			
276	19000	00001151517	isobutene	no	yes	no			
277	18280	00001151275	chloroendosulfone anhydride	no	yes	no			
278	18250	00001151286	chloroendosulfone acid	no	yes	no			
279	22840	00001150775	pentacrytol	yes	no				
	71600								
280	73720	00001150968	phosphoric acid, trichloroethyl ester	yes	no	no	ND		
281	25120	00001160441	tetrafluoroethylene	yes	no	no	0,05		
282	18430	00001160454	hexafluoropropylene	yes	no	no	ND		
283	74640	00001170117	phthalic acid, bis(2-ethylhexyl) ester	yes	no	no	1,5	(32)	Only to be used as: (a) plasticiser in repeated use materials and

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

**Status:** Point in time view as at 30/12/2011.

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

								(b)	articles contacting non-fatty foods; technical support agent in concentrations up to 0,1 % in the final product.
284	84880	0000119	salicylic acid, methyl ester	yes	no	no	30		
285	66480	0000119	247-1 methylene bis(4-methyl-6-tert-butylphenol)	yes	no	yes		(13)	
286	38240	0000119	benzophenone	no	no	yes	0,6		
287	60160	0000120	447-8 hydroxybenzoic acid, ethyl ester	yes	no	no			
288	24970	0000120	610-1 terephthalic acid, dimethyl ester	yes	no	no			
289	15880	0000120	480-9 dihydroxybenzene	no	yes	no	6		

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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	24051									
290	55360	00001234010	1,4-bis(2-hydroxypropyl)benzene	yes	no	no		(20)		
291	19150	00001234015	1,4-bis(2-hydroxyethyl)benzene	yes	no	no		(27)		
292	94560	00001234103	2,2,4,4-tetramethyl-1,3-dioxane	no	yes	no	5			
293	23175	00001235020	2,2,4,4-tetramethyl-1,3-dioxane	yes	no	no	ND		1 mg/kg in final product	(1)
294	93120	00001234284	2,2,4,4-tetramethyl-1,3-dioxane	no	yes	no		(14)		
295	15940	00001234349	2,2,4,4-tetramethyl-1,3-dioxane	yes	yes	no	0,6			
	18867									
	48620									
296	23860	00001233866	2,2,4,4-tetramethyl-1,3-dioxane	yes	no	no				
297	23950	00001236620	2,2,4,4-tetramethyl-1,3-dioxane	no	yes	no				
298	14110	00001235728	2,2,4,4-tetramethyl-1,3-dioxane	yes	no	no				
299	63840	00001231564	2,2,4,4-tetramethyl-1,3-dioxane	yes	no	no				
300	30045	00001238614	2,2,4,4-tetramethyl-1,3-dioxane	yes	no	no				
301	89120	00001230550	2,2,4,4-tetramethyl-1,3-dioxane	yes	no	no				

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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302	12820	0000123	2910-10-3a acetic acid	no	yes	no			
303	12130	0000124	4010-10-4a acetic acid	yes	yes	no			
	31730								
304	14320	0000124	4070-10-4a acetic acid	yes	yes	no			
	41960								
305	15274	0000124	4090-10-4a methylenedianiline	yes	no	no	2,4		
	18460								
306	88960	0000124	4060-10-4a amide	yes	no	no			
307	42160	0000124	4180-10-4a dioxide	yes	no	no			
308	91200	0000126	3130-10-6a acetate isobutyrate	yes	no	no			
309	91360	0000126	3140-10-6a octaacetate	yes	no	no			
310	16390	0000126	3200-10-7a dimethyl-1,3- propanediol	no	yes	no	0,05		
	22437								
311	16480	0000126	5580-10-6a pentaerythritol	yes	yes	no			
	51200								
312	21490	0000126	6080-10-6a acrylonitrile	yes	yes	no	ND		
313	16650	0000127	4630-10-6a phenylsulphone	yes	yes	no	3		
	51570								
314	23500	0000127	9100-10-3a pinene	no	yes	no			
315	46640	0000128	2370-10-0a tert-butyl- p-cresol	yes	no	no	3		

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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

316	23230	000013	117-1 phthalic acid, diallyl ester	no	yes	no	ND			
317	48880	000013	1252-3 dihydroxy-4- methoxybenzophenone	yes	no	yes		(8)		
318	48640	000013	1254-6 dihydroxybenzophenone	yes	no	no		(8)		
319	61360	000013	1257-7 hydroxy-4- methoxybenzophenone	yes	no	yes		(8)		
320	37680	000013	1607-1 benzoic acid, butyl ester	yes	no	no				
321	36080	000013	1766-6 acetyl palmitate	yes	no	no				
322	63040	000013	1821-7 lactic acid, butyl ester	yes	no	no				
323	11470	000014	088-5 oleic acid, ethyl ester	no	yes	no		(22)		
324	83700	000014	1220-1 oleic acid	yes	no	yes	42			
325	10780	000014	082-1 lactic acid, n-butyl ester	no	yes	no		(22)		
326	12763 35170	000014	1243-5 aminoethanol	yes	yes	no	0,05		Not to be used for	

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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**Status:** Point in time view as at 30/12/2011.

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

									articles in contact with fatty foods for which simulant D is laid down. For indirect food contact only, behind a PET layer.
327	30140	000014178-6	lactic acid, ethyl ester	yes	no	no			
328	65040	000014182-2	lactic acid	yes	no	no			
329	59360	000014216-2	lactic acid	yes	no	no			
330	19470	000014310-7	lactic acid	yes	yes	no			
	63280								
331	22480	000014340-8	nonanol	no	yes	no			
332	69760	000014352-2	ethyl alcohol	yes	no	no			
333	22775	000014402-1	lactic acid	yes	yes	no	6		
	69920								
334	17005	000015164-4	ethyleneimine	yes	no	ND			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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

335	68960	000030102-0	oleamide	yes	no	no			
336	15095	000033448-5	decanoic acid	yes	yes	no			
	45940								
337	15820	000034549-6	difluorobenzophenone	no	yes	no	0,05		
338	71020	000037349-9	salicylic acid	yes	no	no			
339	86160	000040911-2	silicon carbide	yes	no	no			
340	47440	000046158-5	isocyanide	no	no	no			
341	13180	000049866-8	[2.2.1]hept-2-ene	no	yes	no	0,05		
	22550								
342	14260	000050244-3	lactone	yes	no	no	(29)		
343	23770	000050413-2	propanediol	no	yes	no	0,05		
344	13810	000050516-7	butanediol formal	no	yes	no	ND		(10)
	21821								
345	35840	000050630-9	acetic acid	yes	no	no			
346	10030	000051440-6	acetic acid	no	yes	no			
347	13050	000052844-0	lactic acid	no	yes	no	(21)		
	25540								
348	22350	000054463-8	lactic acid	yes	yes	no			
	67891								
349	25550	000055241-7	lactic anhydride	no	yes	no	(21)		
350	63920	000055715-5	glyceric acid	yes	no	no			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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

351	21730	00005633	45-1 methyl-1- butene	no	yes	no	ND		Only to be used in polypropylene	(1)
352	16360	00005762	26-1 dimethylphenol	no	yes	no	0,05			
353	42480	00005840	08-1 acetic acid, rubidium salt	yes	no	no	12			
354	25210	00005842	84-9 toluene diisocyanate	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
355	20170	00005850	07-1 methacrylic acid, tert-butyl ester	no	yes	no		(23)		
356	18820	00005924	41-6 hexene	no	yes	no	3			
357	13932	00005983	32-3 buten-2-ol	no	yes	no	ND		Only to be used as a co-monomer for the preparation of polymeric additive	(1)
358	14841	00005994	64-4 cumylphenol	no	yes	no	0,05			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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359	15970 48720	000061149-4	yes	yes	no		(8)		
			dihydroxybenzophenone						
360	57920	000062067-7	yes	no	no				
			glycerol triheptanoate						
361	18700	000062911-8	no	yes	no	0,05			
			hexanediol						
362	14350	000063008-0	no	yes	no				
			carbon monoxide						
363	16450	000064610-0	no	yes	no	5			
			dioxolane						
364	15404	000065217-3	no	yes	no	5			Only to be used as a co-monomer in poly(ethylene-co-isosorbide terephthalate)
			dianhydrosorbitol						
365	11680	000068912-1	no	yes	no		(22)		
			acetic acid, isopropyl ester						
366	22150	000069143-2	no	yes	no	0,05			
			methyl-1-pentene						
367	16697	000069323-2	no	yes	no				
			dodecanedioic acid						
368	93280	000069316-7	no	yes	yes		(14)		
			propionic acid, dioctadecyl ester						

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>F</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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369	12761	0000693	127-2	no	yes	no	0,05			
			aminododecanoic acid							
370	21460	0000760	093-0	no	yes	no		(23)		
			butylacrylic anhydride							
371	11510	0000818	61-1	no	yes	no		(22)		
	11830		acrylic acid, monoester with ethyleneglycol							
372	18640	0000822	206-0	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
			hexamethylene diisocyanate							
373	22390	0000840	266-3	no	yes	no	0,05			
			naphthalenedicarboxylic acid, dimethyl ester							
374	21190	0000868	77-0	no	yes	no		(23)		
			butylacrylic acid, monoester with ethyleneglycol							
375	15130	0000872	2405-9	no	yes	no	0,05			
			decene							
[ <sup>F2</sup> 376	66905	0000872	250-4	yes	no	no	60			I
			methylpyrrolidone							
377	12786	0000919	330-2	no	yes	no	0,05		Residual extractable content of 3-aminopropyltriethoxysilane to be	
			aminopropyltriethoxysilane							

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>F1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]



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									less than 3 mg/kg filler when used for the reactive surface treatment of inorganic fillers. SML = 0,05 mg/kg when used for the surface treatment of materials and articles.
378	21970	0000923	102-4 methylolmethacrylamide	no	yes	no	0,05		
379	21940	0000924	142-5 methylolacrylamide	no	yes	no	ND		
380	11980	0000925	66-11 acetic acid, propyl ester	no	yes	no		(22)	
381	15030	0000931	81-4 octane	yes	no	no	0,05		Only to be used in polymers contacting foods for

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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									which simulant A is laid down
382	19490	0000947104-6	4-oxo-2-phenylindole-1-carboxamide	yes	no	5			
383	72160	0000948265-2	2-phenylindole	yes	no	yes	15		
384	40000	0000991284-4	bis(octylmercapto)-6-(4-hydroxy-3,5-di-tert-butylanilino)-1,3,5-triazine	yes	no	yes	30		
385	11530	0000999a61y	acrylic acid, 2-hydroxypropyl ester	no	yes	no	0,05	SML (1) expressed as the sum of acrylic acid, 2-hydroxypropyl ester and acrylic acid, 2-hydroxyisopropyl ester. It may contain up to 25 % (m/m) of acrylic acid, 2-hydroxyisopropyl ester	

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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									(CAS No 0002918-23-2).	
386	55280	0001034	gallic acid, octyl ester	yes	no	no		(20)		
387	26155	0001072	163-5 vinylimidazole	no	yes	no	0,05			(1)
388	25080	0001120	436-1 tetradecene	no	yes	no	0,05			
389	22360	0001141	236-4 naphthalenedicarboxylic acid	no	yes	no	5			
390	55200	0001166	5215 acid, dodecyl ester	yes	no	no		(20)		
391	22932	0001187	925 fluoromethyl perfluorovinyl ether	yes	no	no	0,05			Only to be used in anti-stick coatings
392	72800	0001241	945 phosphoric acid, diphenyl 2-ethylhexyl ester	yes	no	yes	2,4			
393	37280	0001302	5280 nitro	yes	no	no				
394	41280	0001305	620 calcium hydroxide	yes	no	no				
395	41520	0001305	788 calcium oxide	yes	no	no				

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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396	64640	0001309428	resins hydroxide	yes	no	no			
397	64720	0001309484	resins oxide	yes	no	no			
398	35760	0001309644	antimony trioxide	yes	no	no	0,04	SML (6) expressed as antimony	
399	81600	0001310583	potassium hydroxide	yes	no	no			
400	86720	0001310712	zinc hydroxide	yes	no	no			
401	24475	0001313822	zinc sulphide	no	yes	no			
402	96240	0001314212	zinc oxide	yes	no	no			
403	96320	0001314293	zinc sulphide	yes	no	no			
404	67200	0001317235	hydrogen disulphide	yes	no	no			
405	16690	0001321740	divinylbenzene	yes	no	no	ND	SML (1) expressed as the sum of divinylbenzene and ethylvinylbenzene. It may contain up to 45 % (m/ m) of ethylvinylbenzene.	
406	83300	0001323432	propyleneglycol monostearate	yes	no	no			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

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407	87040	0001330414	Sodium tetraborate	yes	no	no	(16)		
408	82960	0001330180-9	propyleneglycol monooleate	yes	no	no			
409	62240	0001332137-2	Zinc oxide	yes	no	no			
410	62720	0001332158-7	kaolin	yes	no	no			
411	42080	0001333340-4	carbon black	yes	no	no			Primary particles of 10 – 300 nm which are aggregated to a size of 100 – 1 200 nm which may form agglomerates within the size distribution of 300 nm – mm. Toluene extractables: maximum 0,1 %, determined according to ISO

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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										method 6209. UV absorption of cyclohexane extract at 386 nm: < 0,02 AU for a 1 cm cell or < 0,1 AU for a 5 cm cell, determined according to a generally recognised method of analysis. Benzo(a)pyrene content: max 0,25 mg/kg carbon black. Maximum use level of carbon black in the polymer:
<b>a</b>	OJ L 302, 19.11.2005, p. 28.									
<b>b</b>	OJ L 330, 5.12.1998, p. 32.									
<b>c</b>	OJ L 253, 20.9.2008, p. 1.									
<b>d</b>	OJ L 226, 22.9.1995, p. 1.									
<b>e</b>	OJ L 158, 18.6.2008, p. 17.									
<b>f</b>	[ <sup>F1</sup> Infant as defined in Article 2 of Directive 2006/141/EC.									
<b>g</b>	This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]									

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

									2,5 % w/w.
412	45200	0001335	520-05 Copper iodide	yes	no	no		(6)	
413	35600	0001336	211-01 Cadmium hydroxide	yes	no	no			
414	87600	0001338	361-11 Sorbitan monolaurate	yes	no	no			
415	87840	0001338	411-11 Sorbitan monostearate	yes	no	no			
416	87680	0001338	411-11 Sorbitan monooleate	yes	no	no			
417	85680	0001343	181-12 Sulfuric acid	yes	no	no			
418	34720	0001344	281-11 Aluminium oxide	yes	no	no			
419	92150	0001401	55-11 Fatty acids	yes	no	no			According to the JECFA specifications
420	19210	0001459	03-11 Phthalic acid, dimethyl ester	no	yes	no	0,05		
421	13000	0001477	153-0 Benzene dimethanamine	no	yes	no	0,05		
422	38515	0001533	445-5 bis(2- benzoxazolyl) stilbene	yes	no	yes	0,05		(2)
423	22937	0001623	0518- Bromopropyl ether	no	yes	no	0,05		
424	15070	0001647	116-1 Decadiene	no	yes	no	0,05		
425	10840	0001663	301-11 Sulfuric acid,	no	yes	no		(22)	

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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			tert-butyl ester							
426	13510	0001675252-3	bis(4-hydroxyphenyl)propane	no	yes	no				In compliance with Commission Regulation (EC) No 1895/2005 <sup>a</sup>
	13610		bis(2,3-epoxypropyl) ether							
427	18896	0001679451-2	(hydroxymethyl)-1-cyclohexene	no	yes	no	0,05			
428	95200	0001709170-5	trimethyl-2,4,6-tris(3,5-di-tert-butyl-4-hydroxybenzyl)benzene	yes	no	no				
429	13210	0001761574-3	aminocyclohexyl)methane	no	yes	no	0,05			
430	95600	0001843103-3	tris(2-methyl-4-hydroxy-5-tert-butylphenyl)butane	yes	no	yes	5			
431	61600	0001843205-6	hydroxy-4-n-octyloxybenzophenone	yes	no	yes		(8)		
432	12280	0002035475-8	anhydride	no	yes	no				
433	68320	0002082670-1	3-(3,5-di-tert-	yes	no	yes	6			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>f</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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			butyl-4-hydroxyphenyl)propionate						
434	20410	0002082847	acrylic acid, diester with 1,4-butanediol	yes	no	0,05			
435	14230	0002123210	ε-caprolactam, sodium salt	yes	no		(4)		
436	19480	0002146716	maleic acid, vinyl ester	no	yes	no			
437	11245	0002156071	acrylic acid, dodecyl ester	no	yes	no	0,05		(2)
[ <sup>F2</sup> 438	13303	0002162574	2,6-diisopropylphenyl)carbodiimide	no	yes	no	0,05		Expressed as the sum of bis(2,6-diisopropylphenyl)carbodiimide and its hydrolysis product 2,6-diisopropylaniline
439	21280	0002177701	acrylic acid, phenyl ester	yes	no		(23)		
440	21340	0002210288	acrylic acid, propyl ester	yes	no		(23)		
441	38160	0002315687	acrylic acid,	yes	no	no			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>F1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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			propyl ester						
442	13780	000242517-8	butanediol bis(2,3-epoxypropyl)ether	no	yes	no	ND		Residual content = 1 mg/kg in final product expressed as epoxy group. Molecular weight is 43 Da.
443	12788	000243219-7	aminoundecanoic acid	no	yes	no	5		
444	61440	000244022-24	hydroxy-5'-methylphenyl)benzotriazole	yes	no	no		(12)	
445	83440	000246699-3	phosphoric acid	no	yes	no			
446	10750	000249535-4	acrylic acid, benzyl ester	no	yes	no		(22)	
447	20080	000249536-4	acrylic acid, benzyl ester	no	yes	no		(23)	
448	11890	000249950-4	acrylic acid, n-octyl ester	no	yes	no		(22)	
449	49840	000250088-6	decyl disulphide	no	yes	yes	3		

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** <sup>[F]</sup> Infant as defined in Article 2 of Directive 2006/141/EC.

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450	24430	0002561588	Basic anhydride	no	yes	no			
451	66755	0002682220	4-methyl-4-isothiazolin-3-one	yes	no	no	0,5		Only to be used in aqueous polymer dispersions and emulsions
[ <sup>F2</sup> 452	38885	0002725224	6-bis(2,4-dimethylphenyl)-(2-hydroxy-4-n-octyloxyphenyl)-1,3,5-triazine	yes	no	no	5		I
453	26320	0002768007	Trimethoxysilane	no	yes	no	0,05		(10)
454	12670	0002855113	2-amino-3-aminomethyl-3,5,5-trimethylcyclohexane	no	yes	no	6		
455	20530	0002867472	Acrylic acid, 2-(dimethylamino)-ethyl ester	yes	yes	no	ND		
456	10810	0002998408	Folic acid, sec-butyl ester	no	yes	no		(22)	
457	20140	0002998187	Acrylic acid, sec-	yes	yes	no		(23)	

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>F1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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			butyl ester						
458	36960	0003061	benzamide	no	no				
459	46870	0003135	tert-butyl-4-hydroxybenzylphosphonic acid, dioctadecyl ester	yes	no				
460	14950	0003173	hexyl isocyanate	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
461	22420	0003173	naphthalene diisocyanate	no	yes		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
462	26170	0003195	vinyl-N-methylacetamide	no	yes	no	0,02		(1)
463	25840	0003290	trimethylolpropane trimethacrylate	no	yes	no	0,05		
464	61280	0003293	hydroxy-4-n-hexyloxybenzophenone	yes	no	yes		(8)	
465	68040	0003333	naphtho-	yes	no	no			

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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

			(1,2-D)triazol-2-yl]-3-phenylcoumarin							
466	50640	000364811-8	811-8 octyltin dilaurate	yes	no	no		(10)		
467	14800	000372465-0	465-0 acetic acid	yes	yes	no	0,05			(1)
	45600									
468	71960	000382526-0	526-0 fluorocortic acid, ammonium salt	yes	no	no			Only to be used in repeated use articles, sintered at high temperatures	
469	60480	000386429-0	429-0 hydroxy-3,5'-di-tert-butylphenyl)-5-chlorobenzotriazole	yes	no	yes		(12)		
470	60400	000389621-0	621-0 hydroxy-3'-tert-butyl-5'-methylphenyl)-5-chlorobenzotriazole	yes	no	yes		(12)		
471	24888	000396555-7	555-7 sulphisophthalic acid, monosodium salt, dimethyl ester	no	yes	no	0,05			
472	66560	000406620-8	620-8 methylenebis(4-	yes	no	yes		(5)		

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

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			methyl-6-cyclohexylphenol)							
473	12265	0004074	adipic acid, divinyl ester	no	yes	no	ND		5 mg/kg in final product. Only to be used as co-monomer.	(1)
474	43600	0004080	3-(3-chloroallyl)-3,5,7-triaza-1-azoniaadamantane chloride	yes	no	no	0,3			
475	19110	0004098	1-isocyanato-3-isocyanatomethyl-3,5,5-trimethylcyclohexane	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
476	16570	0004128	4,4'-diphenyl diisocyanate	yes	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
477	46720	0004130	4-tert-butyl-4-ethylphenol	yes	no	yes	4,8			(1)
478	60180	0004191	4-hydroxybenzoic acid,	yes	no	no				

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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			isopropyl ester							
479	12970	0004196	2516 anhydride	no	yes	no				
480	46790	0004221	380- tert-butyl-4- hydroxybenzoic acid, 2,4-di- tert-butylphenyl ester	yes	no	no				
481	13060	0004422	195,5- benzenetricarboxylic acid trichloride	no	yes	no	0,05		SML (1) expressed as 1,3,5- benzenetricarboxylic acid	
482	21100	0004655	3419- methacrylic acid, isopropyl ester	yes	no			(23)		
483	68860	0004724	448-5 octylphosphonic acid	yes	no	no	0,05			
484	13395	0004767	203-7 bis(hydroxymethyl)propionic acid	no	yes	no	0,05			(1)
485	13560 15700	0005124	30-1 dicyclohexylmethane-4,4'- diisocyanate	yes	no	no		(17)	1 mg/ kg in final product expressed as isocyanate moiety	(10)
486	54005	0005136	644-1 ethyl- N-	yes	no	no				

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

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			palmitamide-N'-stearamide							
487	45640	0005232299-5	yes cyano-3,3-diphenylacrylic acid, ethyl ester	no	no	0,05				
488	53440	00055181,813	yes ethylenebispalmitamide	no	no					
489	41040	000574336-2	yes butyrate	no	no					
490	16600	000587351-1	no diisocyanate	yes methoxy-2,4'	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)	
491	82720	000618211-2	yes propyleneglycol distearate	no	no					
492	45650	0006197230-4	yes cyano-3,3-diphenylacrylic acid, 2-ethylhexyl ester	no	no	0,05				
493	39200	000620014-2	yes hydroxyethyl)-2-hydroxypropyl-3-(dodecyloxy)methylammonium chloride	no	no	1,8				
494	62140	000630337-0	no phosphorous acid	no	no					

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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495	35160	0006642631-5	yes amino-1,3-dimethyluracil	no	no	5			
496	71680	00066831018	poly(1,3-bis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate]erythritol tetrakis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate])	no	no				
497	95020	0006846250-4	yes trimethyl-1,3-pentanediol diisobutyrate	no	no	5			Only to be used in single-use gloves
498	16210	0006864337-5	no dimethyl-4,4'-diaminodicyclohexylmethane	yes	no	0,05			Only to be used in polyamides (5)
499	19965 65020	00069151117	yes acid	yes	no				In case of use as a monomer only to be used as a co-monomer in aliphatic polyesters up to maximum level of 1 % on a

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

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**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

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									molar basis	
500	38560	0007128261-5	bis(5-tert-butyl-2-benzoxazolyl)thiophene	yes	no	yes	0,6			
501	34480	—	aluminium fibers, flakes and powders	yes	no	no				
502	22778	0007456468-0	oxybis(benzenesulphonyl azide)	no	yes	no	0,05			(1)
503	46080	0007585839-9	dextrin	yes	no	no				
504	86240	0007631860	silicon dioxide	yes	no	no				For synthetic amorphous silicon dioxide: primary particles of 1 – 100 nm which are aggregated to a size of 0,1 – 1 µm which may form agglomerates within the

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

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									size distribution of 0,3 µm to the mm size.
505	86480	0007631	0015m sodium bisulphite	yes	no	no	(19)		
506	86920	0007632	0010m sodium nitrite	yes	no	no	0,6		
507	59990	0007647	0110m hydrochloric acid	yes	no	no			
508	86560	0007647	0010m sodium bromide	yes	no	no			
509	23170	0007664	0080m phosphoric acid	yes	yes	no			
	72640								
510	12789	0007664	0110m ammonia	yes	yes	no			
	35320								
511	91920	0007664	0080m sulfuric acid	yes	no	no			
512	81680	0007681	0110m potassium iodide	yes	no	no	(6)		
513	86800	0007681	0015m sodium iodide	yes	no	no	(6)		
514	91840	0007704	0110m sulfur	yes	no	no			
515	26360	0007732	water	yes	yes	no			In compliance with Directive 98/83/EC <sup>b</sup>
	95855								
516	86960	0007757	0015m sodium sulphite	yes	no	no	(19)		

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>f</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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517	81520	0007758	0233	potassium bromide	yes	no	no				
518	35845	0007771	4410	lactic acid	yes	no	no				
519	87120	0007772	0817	zinc thiosulphate	yes	no	no		(19)		
520	65120	0007773	3010	manganese chloride	yes	no	no				
521	58320	0007782	4215	zinc phosphate	yes	no	no				
522	14530	0007782	5015	zinc oxide	no	yes	no				
523	45195	0007787	7014	potassium bromide	yes	no	no				
524	24520	0008001	0217	soybean oil	no	yes	no				
525	62640	0008001	1016	Japan wax	yes	no	no				
526	43440	0008001	7516	leaffin oil	yes	no	no				
527	14411	0008001	7914	leaffin oil	yes	yes	no				
	42880										
528	63760	0008002	1415	leaffin oil	yes	no	no				
529	67850	0008002	2517	non wax	yes	no	no				
530	41760	0008006	4118	beeswax wax	yes	no	no				
531	36880	0008012	8913	beeswax	yes	no	no				
532	88640	0008013	0718	soybean oil, epoxidised	yes	no	no	60 30(*)	(32)	(*)	In the case of PVC gaskets used to

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

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										seal glass jars containing infant formulae and follow- on formulae as defined by Directive 2006/141/ EC or processed cereal- based foods and baby foods for infants and young children as defined by Directive 2006/125/ EC, the SML is lowered to 30 mg/ kg.
<b>a</b>	OJ L 302, 19.11.2005, p. 28.									
<b>b</b>	OJ L 330, 5.12.1998, p. 32.									
<b>c</b>	OJ L 253, 20.9.2008, p. 1.									
<b>d</b>	OJ L 226, 22.9.1995, p. 1.									
<b>e</b>	OJ L 158, 18.6.2008, p. 17.									
<b>f</b>	[ <sup>F1</sup> Infant as defined in Article 2 of Directive 2006/141/EC.									
<b>g</b>	This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]									

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									Oxirane < 8 %, iodine number < 6.
533	42720	0008015869	Sebacic wax	yes	no	no			
534	80720	0008017061	phosphoric acids	yes	no	no			
535	24100	0008050091	Oron	yes	yes	no			
	24130								
	24190								
	83840								
536	84320	0008050051	hydrogenated, ester with methanol	yes	no	no			
537	84080	0008050068	ester with pentaerythritol	yes	no	no			
538	84000	0008050031	ester with glycerol	yes	no	no			
539	24160	0008052106	tall oil	no	yes	no			
540	63940	0008062155	phosphonic acid	yes	no	no	0,24		Only to be used as dispersant for plastics dispersions

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

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**e** OJ L 158, 18.6.2008, p. 17.

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541	58480	0009000g01h5	gum arabic	yes	no	no				
542	42640	0009000e11b7	cellulose methylcellulose	yes	no	no				
543	45920	0009000d162a	chitosan	yes	no	no				
544	58400	0009000g3a0	gum	yes	no	no				
545	93680	0009000t65a	alginate gum	yes	no	no				
546	71440	0009000p607i	pectin	yes	no	no				
547	55440	0009000g70a8	gelatin	yes	no	no				
548	42800	0009000e11b7	cellulose	yes	no	no				
549	80000	0009002p884	polyethylene wax	yes	no	no				
550	81060	0009003p070	polypropylene wax	yes	no	no				
551	79920	0009003p016392	poly(ethylene terephthalate) glycol	yes	no	no				
552	81500	0009003p098	polyvinylpyrrolidone	yes	no	no				The substance shall meet the purity criteria as laid down in Commission Directive 2008/84/EC <sup>c</sup>
553	14500	0009004e311	cellulose	yes	yes	no				
	43280									

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>f</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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554	43300	0009004e318	rose acetate butyrate	yes	no	no			
555	53280	0009004e574	cellulose	yes	no	no			
556	54260	0009004e584	hydroxyethylcellulose	yes	no	no			
557	66640	0009004e595	ethylcellulose	yes	no	no			
558	60560	0009004e620	hydroxyethylcellulose	yes	no	no			
559	61680	0009004e642	hydroxypropylcellulose	yes	no	no			
560	66700	0009004e653	hydroxypropylcellulose	yes	no	no			
561	66240	0009004e675	cellulose	yes	no	no			
562	22450	0009004a700	cellulose	yes	no	no			
563	78320	0009004p074	ethylsebacate monoricinoleate	yes	no	yes	42		
564	24540	0009005s268	starch, edible	yes	yes	no			
	88800								
565	61120	0009005h370	hydroxyethyl starch	yes	no	no			
566	33350	0009005a321	lactic acid	yes	no	no			
567	82080	0009005i372	propyleneglycol alginate	yes	no	no			
568	79040	0009005p615	polyethyleneglycol sorbitan monolaurate	yes	no	no			
569	79120	0009005p656	polyethyleneglycol sorbitan monooleate	yes	no	no			
570	79200	0009005p677	polyethyleneglycol sorbitan monopalmitate	yes	no	no			

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**c** OJ L 253, 20.9.2008, p. 1.

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571	79280	00090056078	poly(8-hydroxyoctyl) glycol sorbitan monostearate	yes	no			
572	79360	00090056073	poly(3-hydroxybutyl) glycol sorbitan trioleate	yes	no			
573	79440	00090056074	poly(4-hydroxybutyl) glycol sorbitan tristearate	yes	no			
574	24250	00090060466	poly(6-hydroxyhexyl) glycol natural	yes	yes	no		
	84560							
575	76721	00631486029	polydimethylsiloxane (Mw > 6 800 Da)	no	no			Viscosity at 25 °C not less than 100 cSt (100 × 10 <sup>-6</sup> m <sup>2</sup> /s)
576	60880	0009032422	hydroxyethylmethylcellulose	yes	no			
577	62280	0009044157	isobutylene-butene copolymer	yes	no	no		
578	79600	0009046019	poly(9-tridecyl ether phosphate)	yes	no	5		For materials and articles intended for contact with aqueous foods only. Polyethyleneglycol (EO

**a** OJ L 302, 19.11.2005, p. 28.

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**e** OJ L 158, 18.6.2008, p. 17.

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									≤ 11) tridecyl ether phosphate (mono- and dialkyl ester) with a maximum 10 % content of polyethyleneglycol (EO ≤ 11) tridecylether.
579	61800	00090491747	hydroxypropyl starch	yes	no	no			
580	46070	001001620-3	dextrin	yes	no	no			
581	36800	00100228118	barium nitrate	yes	no	no			
582	50240	001003933-5	dioctyltin bis(2-ethylhexyl maleate)	yes	no	no	(10)		
583	40400	00100436615	boron nitride	yes	no	no	(16)		
584	13620 40320	00100436613	boric acid	yes	yes	no	(16)		
585	41120	00100436614	beryllium chloride	yes	no	no			
586	65280	00100438412	barium hypophosphite	yes	no	no			
587	68400	001009445-8	tetradecylsuccinimide	yes	no	yes	5		

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

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588	64320	0010377	LiH <sub>2</sub> I <sub>2</sub> iodide	yes	no	no	(6)		
589	52645	0010436	608-11- eicosenamide	yes	no	no			
590	21370	0010595	8010- acrylic acid, 2- sulphoethyl ester	yes	no	no	ND		(1)
591	36160	0010605	001- stearate	yes	no	no			
592	34690	0011097	50-9- magnesium carbonate hydroxide	yes	no	no			
593	44960	0011104	601- oxide	yes	no	no			
594	65360	0011129	60- oxide	yes	no	no			
595	19510	0011132	73-3- cellulose	yes	no	no			
596	95935	0011138	601- gum	yes	no	no			
597	67120	0012001	26-2- nickel	yes	no	no			
598	41600	0012004	41-7- aluminum 0037293- aluminum	yes	no	no			
599	36840	0012007	55-5- tetraborate	yes	no	no	(16)		
600	60030	0012072	90-1- magnesium	yes	no	no			
601	35440	0012124	07-9- bromide	yes	no	no			
602	70240	0012198	93-5- cerium	yes	no	no			
603	83460	0012269	78-2- phthalic	yes	no	no			
604	60080	0012304	65-3- phthalic	yes	no	no			

**a** OJ L 302, 19.11.2005, p. 28.

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605	11005	0012542	230-1c acid, dicyclopentenyl ester	no	yes	no	0,05		(1)
606	65200	0012626	88-9 hydroxide	yes	no	no			
607	62245	0012751	23-3 phosphide	yes	no	no		Only to be used in PET polymers and copolymers	
608	40800	0013003	4-8 butylidene- bis(6- tert- butyl-3- methylphenyl- ditridecyl phosphite)	yes	no	yes	6		
609	83455	0013445	56-2 acid	yes	no	no			
610	93440	0013463	67-7 dioxide	yes	no	no			
611	35120	0013560	349-1 aminocrotonic acid, diester with thiobis (2- hydroxyethyl) ether	yes	no	no			
612	16694	0013811	50-2 divinyl-2- imidazolidinone	no	yes	no	0,05		(10)
613	95905	0013983	71-10 hydroxide	yes	no	no			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

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614	45560	0014464	416-1	distalite	no	no			
615	92080	0014807	416-6	tole	yes	no	no		
616	83470	0014808	607	coriz	yes	no	no		
617	10660	0015214	289-8	acrylamido-2-methylpropanesulphonic acid	no	yes	no	0,05	
618	51040	0015535	479-2	octyltin mercaptoacetate	yes	no	no	(10)	
619	50320	0015571	458-1	octyltin bis(2-ethylhexyl mercaptoacetate)	yes	no	no	(10)	
620	50720	0015571	460-5	octyltin dimaleate	yes	no	no	(10)	
621	17110	0016219	575-3	ethylidenebicyclo[2,2,1]hept-2-ene	no	yes	no	0,05	(9)
622	69840	0016260	009	palmitamide	no	yes	yes	5	
623	52640	0016389	488	nit	yes	no	no		
624	18897	0016712	664-4	hydroxy-2-naphthalenecarboxylic acid	no	yes	no	0,05	
625	36720	0017194	400-2	hydroxide	yes	no	no		
626	57800	0018641	574	glycerol tribehenate	yes	no	no		
627	59760	0019569	211-2	tin	yes	no	no		
628	96190	0020427	581	zinc hydroxide	yes	no	no		

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629	34560	0021645	51-2 nickel hydroxide	yes	no	no			
630	82240	0022788	19-8 propyleneglycol dilaurate	yes	no	no			
631	59120	0023128	17-7 hexamethylene- bis(3- (3,5- di-tert- butyl-4- hydroxyphenyl)propionamide)	yes	no	yes	45		
632	52880	0023676	409-7 ethoxybenzoic acid, ethyl ester	yes	no	no	3,6		
633	53200	0023949	266-8 ethoxy-2'- ethyloxanilide	yes	no	yes	30		
634	25910	0024800	4-0 propyleneglycol	yes	no	no			
635	40720	0025013	16-5 butyl-4- hydroxyanisole	yes	no	no	30		
636	31500	0025134	51-1 acrylic acid, acrylic acid, 2- ethylhexyl ester, copolymer	yes	no	no	0,05	(22)	SML expressed as acrylic acid, 2- ethylhexyl ester
637	71635	0025151	26-6 pentaerythritol dioleate	yes	no	no	0,05		Not to be used for articles in

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**b** OJ L 330, 5.12.1998, p. 32.

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**e** OJ L 158, 18.6.2008, p. 17.

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									contact with fatty foods for which simulant D is laid down
638	23590 76960	0025322	polyethylene glycols	no					
639	23651 80800	0025322	polypropylene glycol	no					
640	54930	0025359	formaldehyde-1-naphthol, copolymer	no	no	0,05			
641	22331	0025513	641a of (35-45 % w/w) 1,6-diamino-2,2,4-trimethylhexane and (55-65 % w/w) 1,6-diamino-2,4,4-trimethylhexane	no	yes	no	0,05		(10)
642	64990	0025736	maleic anhydride-styrene, copolymer, sodium salt	yes	no	no			The fraction with molecular weight below 1 000 Da

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**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

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									should not exceed 0,05 % (w/w)
643	87760	0026266	657-9	Infant yes monopalmitate	no	no			
644	88080	0026266	658-1	Infant yes trioleate	no	no			
645	67760	0026401	865-	n-octyltin tris(isooctyl mercaptoacetate)	yes	no	no	(11)	
646	50480	0026401	867-8	n-octyltin bis(isooctyl mercaptoacetate)	yes	no	no	(10)	
647	56720	0026402	236-3	glycerol monohexanoate	yes	no	no		
648	56880	0026402	236-6	glycerol monooctanoate	yes	no	no		
649	47210	0026427	407-6	thioestannic acid polymer	no	no	no		Molecular unit = $(C_8H_{18}S_3Sn_2)_n$ (n = 1,5-2)
650	49600	0026636	601-	dimethyltin bis(isooctyl mercaptoacetate)	yes	no	no	(9)	
651	88240	0026658	501-7	Infant yes tristearate	no	no			
652	38820	0026741	537-4	bis(2,4-di-tert-butylphenyl) pentaerythritol diphosphite	yes	no	yes	0,6	

**a** OJ L 302, 19.11.2005, p. 28.

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653	25270	0026747290-0	toluene diisocyanate dimer	no	yes	no		(17)	1 mg/kg in final product expressed as isocyanate moiety	(10)
654	88600	0026836475-0	4-tert-butyl monostearate	yes	no	no				
655	25450	0026896448-0	1,4-bis(2-chloroethoxy)benzene	no	yes	no	0,05			
656	24760	0026914432-0	4-tert-butylbenzoic acid	yes	no	no	0,05			
657	67680	0027107807-0	n-octyltris(2-ethylhexyl mercaptoacetate)	yes	no	no		(11)		
658	52000	0027176487-0	4-tert-butylbenzenesulphonic acid	no	yes	no	30			
659	82800	0027194472-7	propyleneglycol monolaurate	yes	no	no				
660	47540	0027458490-8	1,3-bis(4-tert-dodecyl disulphide)	yes	no	yes	0,05			
661	95360	0027676462-6	tris(3,5-di-tert-butyl-4-hydroxybenzyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione	yes	no	yes	5			
662	25927	0027955194-8	tris(4-hydroxyphenyl)ethane	no	yes	no	0,005		Only to be used	(1)

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

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										in polycarbonates
663	64150	002829017011	7011-11-11 oleic acid	yes	no	no				
664	95000	0028931671	671-1-1-1 trimethylpropylmethacrylate-methyl methacrylate copolymer	no	no					
665	83120	0029013423	3423-3 propyleneglycol monopalmitate	yes	no	no				
666	87280	0029116508	6508-11-11 dioleate	yes	no	no				
667	55190	0029204921	4921-11-11 oleic acid	yes	no	no				
668	80240	0029894357	4357-11-11 glycerol ricinoleate	yes	no	no				
669	56610	0030233648	3648-11-11 monobenenate	yes	no	no				
670	56800	0030899628	628-11-11 monolaurate diacetate	yes	no	no		(32)		
671	74240	0031570044	0044-11-11 phosphoric acid, tris(2,4-di-tert-butylphenyl)ester	yes	no	no				
672	76845	0031831651	1651-11-11 esters of 1,4-butanediol with caprolactone	yes	no	no		(29) (30)	The fraction with molecular weight below 1 000 Da should	

a OJ L 302, 19.11.2005, p. 28.

b OJ L 330, 5.12.1998, p. 32.

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d OJ L 226, 22.9.1995, p. 1.

e OJ L 158, 18.6.2008, p. 17.

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									not exceed 0,5 % (w/w)
673	53670	0032509	16-1 glycol bis[3,3-bis(3-tert-butyl-4-hydroxyphenyl)butyrate]	yes	no	yes	6		
674	46480	0032647	17-1 azylidene sorbitol	yes	no	no			
675	38800	0032687	18-1 bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionyl)hydrazide	yes	no	yes	15		
676	50400	0033568	19-1 octyltin bis(isooctyl maleate)	yes	no	no		(10)	
677	82560	0033587	20-1 propyleneglycol dipalmitate	yes	no	no			
678	59200	0035074	21-2 hexamethylene-bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	yes	no	yes	6		
679	39060	0035958	30-6 bis(2-hydroxy-3,5-di-tert-butylphenyl)ethane	yes	no	yes	5		

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

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**e** OJ L 158, 18.6.2008, p. 17.

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680	94400	00364436812	ethylene glycol bis[3-(3-tert-butyl-4-hydroxy-5-methylphenyl) propionate]	no	no	9			
681	18310	0036653182	4-hexadecanol	no	yes	no			
682	53270	0037205601	ethylcarboxymethylcellulose	yes	no				
683	66200	0037206012	ethylcarboxymethylcellulose	no	yes				
684	68125	0037244016	liningsyenite	yes	no	no			
685	85950	0037296517	2-acid, magnesium-sodium-fluoride salt	yes	no	no	0,15		SML expressed as fluoride. Only to be used in layers of multi-layer materials not coming into direct contact with food.
686	61390	0037353150	6-hydroxymethylcellulose	no	yes	no			
687	13530	0038103206	9-bis(4-hydroxyphenyl)propane bis(phthalic anhydride)	no	yes	no	0,05		
	13614								

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

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688	92560	0038613	177	Bis(2,4-di-tert-butyl-phenyl)-4,4'-biphenylene diphosphonite	yes	no	yes	18		
689	95280	0040601	175	5-tris(4-tert-butyl-3-hydroxy-2,6-dimethylbenzyl)-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione	yes	no	yes	6		
690	92880	0041484	435	Diethyl bis(3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate)	no	no	yes	2,4		
691	13600	0047465	397	4-bis(3-methyl-4-hydroxyphenyl)-2-indolinone	no	yes	no	1,8		
692	52320	0052047	250	43-dodecyl(phenyl)indole	yes	no	yes	0,06		
693	88160	0054140	301	4-tetran tripalmitate	yes	no	no			
694	21400	0054276	251	6-methylacrylic acid, sulphopropyl ester	yes	no	no	0,05		(1)
695	67520	0054849	386	6-methyltris(isooctyl mercaptoacetate)	no	no	no		(9)	

a OJ L 302, 19.11.2005, p. 28.

b OJ L 330, 5.12.1998, p. 32.

c OJ L 253, 20.9.2008, p. 1.

d OJ L 226, 22.9.1995, p. 1.

e OJ L 158, 18.6.2008, p. 17.

f <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

g This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

**Status:** Point in time view as at 30/12/2011.

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

696	92205	0057569	40140 Phthalic acid, diester with 2,2'-methylenebis(4-methyl-6-tert-butylphenol)	no	no				
697	67515	0057583	34030 Trimethyltin tris(ethylhexyl mercaptoacetate)	no	no		(9)		
698	49595	0057583	35040 Dimethyltin bis(ethylhexyl mercaptoacetate)	no	no		(9)		
699	90720	0058446	62090 Stearoyl benzoyl methane	no	no				
700	31520	0061167	58060 Succinic acid, 2-tert-butyl-6-(3-tert-butyl-2-hydroxy-5-methylbenzyl)-4-methylphenyl ester	yes	no	yes	6		
701	40160	0061269	06020 N,N2-bis(2,2,6,6-tetramethyl-4-piperidyl)hexamethylenediamine-1,2-dibromoethane, copolymer	yes	no	no	2,4		
702	87920	0061752	68010 Sorbitan tetrastearate	yes	no	no			
703	17170	0061788	47040 Fatty acids, coco	no	yes	no			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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704	77600	0061788	85-014 polyethylene glycol ester of hydrogenated castor oil	yes	no				
705	10599/90 10599/91	0061788	85-014 fatty, unsaturated (C <sub>18</sub> ), dimers, non hydrogenated, distilled and non- distilled	no	yes	no		(18)	(1)
706	17230	0061790	10-3 fatty acids, tall oil	no	yes	no			
707	46375	0061790	45-2 stearic acid earth	no	no	no			
708	77520	0061791	10-3 polyethylene glycol ester of castor oil	yes	no	no	42		
709	87520	0062568	10-1 stearic acid monobehenate	yes	no	no			
710	38700	0063397	66(2) bis(isooctyl mercaptoacetate)	yes	no	yes	18		
711	42000	0063438	20-2 tris(isooctyl mercaptoacetate)	yes	no	yes	30		

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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712	42960	0064147	406 oil, dehydrated	yes	no	no				
713	43480	0064365	charcoal activated	yes	no	no				Only for use in PET at maximum 10 mg/kg of polymer. Same purity requirements as for Vegetable Carbon (E 153) set out by Commission Directive 95/45/EC <sup>d</sup> with exception of ash content which can be up to 10 % (w/w).
714	84400	0064365	170 hydrogenated, ester with pentaerythritol	yes	no	no				
715	46880	0065140	391- tert-	yes	no	no	6			

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** [<sup>f</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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			butyl-4-hydroxybenzylphosphonic acid, monoethyl ester, calcium salt						
716	60800	006544717(20	hydroxyethyl)-4-hydroxy-2,2,6,6-tetramethyl piperidine-succinic acid, dimethyl ester, copolymer	yes	no	no	30		
717	84210	006599706(1)	hydrogenated	yes	no	no			
718	84240	006599703(9)	hydrogenated, ester with glycerol	yes	no	no			
719	65920	006682216(4	methacryloyloxyethyl-N,N-dimethyl-N-carboxymethylammonium chloride, sodium salt - octadecyl methacrylate-ethyl methacrylate-cyclohexyl methacrylate-N-vinyl-2-	yes	no	no			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

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			pyrrolidone, copolymers						
720	67360	0067649	965-4-n-dodecyltin tris(isooctyl mercaptoacetate)	yes	no	no		(25)	
721	46800	0067845	395-6-tert-butyl-4-hydroxybenzoic acid, hexadecyl ester	yes	no	no			
722	17200	0068308	611-2 fatty acids, soya	no	yes	no			
723	88880	0068412	202-3 starch, hydrolysed	yes	no	no			
724	24903	0068425	571-3 syrups, hydrolysed starch, hydrogenated	no	yes	no			In compliance with the purity criteria for maltitol syrup E 965(ii) as laid down in Commission Directive 2008/60/EC <sup>e</sup>
725	77895	0068439	409-6 polyethylene glycol (EO = 2-6)	yes	no	no	0,05		The composition of this

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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			monoalkyl (C <sub>16</sub> - C <sub>18</sub> ) ether						mixture is as follows: — polyethyleneglycol (EO = 2-6)monoalkyl (C <sub>16</sub> - C <sub>18</sub> ) ether (approximately 28 %), — fatty alcohols (C <sub>16</sub> - C <sub>18</sub> ) (approximately 48 %), — ethyleneglycol monoalkyl (C <sub>16</sub> - C <sub>18</sub> ) ether (approximately 24 %),
726	83599	0068442	reaction products of oleic acid, 2- mercaptoethyl ester, with dichlorodimethyltin, sodium sulphide and trichloromethyltin	yes	no	yes		(9)	

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F<sup>1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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727	43360	0068442e8f1d	Fluorescent regenerated	no	no				
728	75100	0068515480 0028553a110	Aliphatic diesters with primary, saturated C <sub>8</sub> -C <sub>10</sub> branched alcohols, more than 60 % C <sub>9</sub>	no	no		(26) (32)	Only to be used as: (a)  (b)	(7)  plasticiser in repeated use materials and articles; plasticiser in single-use materials and articles contacting non-fatty foods except for infant formulae and follow-on formulae as defined by Directive 2006/141/EC or processed cereal-based

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

**Status:** Point in time view as at 30/12/2011.

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

										foods and baby foods for infants and young children as defined by Directive 2006/125/EC; technical support agent in concentrations up to 0,1 % in the final product.
729	75105	0068515 0026761	Phthalic acid diesters with primary, saturated C <sub>9</sub> -C <sub>11</sub> alcohols more than 90 % C <sub>10</sub>	yes	no	no		(26) (32)	Only to be used as: (a)  (b)	(7)  plasticiser in repeated use materials and articles; plasticiser in single-

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

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

									(c)	use materials and articles contacting non-fatty foods except for infant formulae and follow-on formulae as defined by Directive 2006/141/EC or processed cereal-based foods and baby foods for infants and young children as defined by Directive 2006/125/EC; technical support
<b>a</b>	OJ L 302, 19.11.2005, p. 28.									
<b>b</b>	OJ L 330, 5.12.1998, p. 32.									
<b>c</b>	OJ L 253, 20.9.2008, p. 1.									
<b>d</b>	OJ L 226, 22.9.1995, p. 1.									
<b>e</b>	OJ L 158, 18.6.2008, p. 17.									
<b>f</b>	[ <sup>F1</sup> Infant as defined in Article 2 of Directive 2006/141/EC.									
<b>g</b>	This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]									

**Status:** Point in time view as at 30/12/2011.

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

									agent in concentrations up to 0,1 % in the final product.
730	66930	0068554	47011	no	yes	no			Residual monomer in methylsilsequioxane: < 1 mg methyltrimethoxysilane/kg of methylsilsequioxane
731	18220	0068564	488-5	no	yes	no	0,05		(2)
732	45450	0068610	051-5	yes	no	yes	5		
733	10599/92 10599/93	0068783	4115	no	yes	no		(18)	(1)
734	46380	0068855	4540	no	no	no			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

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			ash flux-calcined						
735	40120	006895	15018	polyethylene glycol hydroxymethylphosphonate					
736	50960	006922	644-4	yes	no	no		(10)	
			octyltin ethyleneglycol bis(mercaptoacetate)						
737	77370	007014	2046	yes	no	no			
			polyethylene glycol-30 dipolyhydroxystearate						
738	60320	007032	1282-7	yes	no	yes	1,5		
			hydroxy-3,5-bis(1,1-dimethylbenzyl)phenyl]benzotriazole						
739	70000	007033	1292-1	yes	no	no			
			oxamidobis[ethyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl)-propionate]						
740	81200	007187	8098-6	yes	no	yes	3		
			[(1,1,3,3-tetramethylbutyl)amino]-1,3,5-triazine-2,4-diyl)-[(2,2,6,6-tetramethyl-4-piperidyl)imino]hexamethylene[(2,2,6,6-tetramethyl-4-piperidyl)imino]						
741	24070	007313	8316	yes	yes	no			
	83610		acids and rosin acids						

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>f</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]



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742	92700	0078301242,44-	yes	no	yes	5			
			tetramethyl-20-(2,3-epoxypropyl)-7-oxa-3,20-diazadispiro-[5.1.11.2]-heneicosan-21-one, polymer						
743	38950	00790725964-	yes	no	no				
			ethylbenzylidene)sorbitol						
744	18888	0080181331-3	no	yes	no				The substance is used as product obtained by bacterial fermentation. In compliance with the specifications mentioned in the Table 4 of Annex I
			hydroxybutanoic acid-3-hydroxypentanoic acid, copolymer						
745	68145	0080410232,9'-	yes	no	yes	5			SML expressed as sum of phosphite and phosphate
			nitrilo(triethyl tris(3,3',5,5'-tetra-tert-butyl-1,1'-bi-phenyl-2,2'-diyl)phosphite)						

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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746	38810	00806935002-16	di-tert-butyl-4-methylphenyl) pentaerythritol diphosphite	yes	no	yes	5		SML expressed as sum of phosphite and phosphate
747	47600	008403061-5	dodecyltin bis(isooctyl mercaptoacetate)	yes	no	yes		(25)	
748	12765	00844341-28	aminoethyl)-β-alanine, sodium salt	no	yes	no	0,05		
749	66360	008520921-2	methylene bis(4,6-di-tert-butylphenyl) sodium phosphate	yes	no	yes	5		
750	66350	008520923-4	methylenebis(4,6-di-tert-butylphenyl) lithium phosphate	yes	no	no	5		
751	81515	008718925-1	poly(zinc glycerolate)	yes	no	no			
752	39890	008782641-1	bis(methylbenzylidene)sorbitol	yes	no	no			
		– 30069158-41							
		– 40054686-97							
		– 40081541-12-0							

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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753	62800	009270440-1	440-1 kabin, calcined	yes	no	no			
754	56020	009988064-6	064-6 polyester dibehenate	yes	no	no			
755	21765	010624643-7	643-7 methylenebis(3-chloro-2,6-diethylaniline)	no	yes	no	0,05		(1)
756	40020	011055327-0	327-0 bis(octylthiomethyl)-6-methylphenol	yes	no	yes		(24)	
757	95725	011063871-6	638-7 ethylene glycol reaction product with citric acid, lithium salt	yes	no	no			
758	38940	011067524-8	524-8 bis(dodecylthiomethyl)-6-methylphenol	yes	no	yes		(24)	
759	54300	011833720-0	720-0 ethylidenebis(4,6-di-tert-butylphenyl) fluorophosphonite	yes	no	yes	6		
760	83595	011934515-0	345-0 reaction product of di-tert-butylphosphonite with biphenyl, obtained by condensation of 2,4-di-tert-	yes	no	no	18		Composition: — 4,4'-biphenylene-bis[0,0-bis(2,4-di-tert-butylphenyl)phosphonite] (CAS No 0038613-77-3) (36-46)

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>f</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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			butylphenol with Friedel Craft reaction product of phosphorous trichloride and biphenyl					—	% w/ w (*), 4,3'- biphenylene- bis[0,0- bis(2,4- di- tert- butylphenyl)phosphonite] (CAS No 0118421-00-4) (17-23
								—	% w/ w (*), 3,3'- biphenylene- bis[0,0- bis(2,4- di- tert- butylphenyl)phosphonite] (CAS No 0118421-01-5) (1-5
								—	% w/ w (*), 4- biphenylene-0,0- bis(2,4- di- tert- butylphenyl)phosphonite (CAS No 0091362-37-7)

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F<sup>1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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										(11-19 % w/ w (*)), tris(2,4- di- tert- butylphenyl)phosphite (CAS No 0031570-04-4) (9-18 % w/ w (*)), 4,4'- biphenylene-0,0- bis(2,4- di- tert- butylphenyl)phosphonate-0- bis(2,4- di- tert- butylphenyl)phosphonite (CAS No 0112949-97-0) ( 5 % w/ w (*))	
										(*)	Quantity of substance used/ quantity
<b>a</b>	OJ L 302, 19.11.2005, p. 28.										
<b>b</b>	OJ L 330, 5.12.1998, p. 32.										
<b>c</b>	OJ L 253, 20.9.2008, p. 1.										
<b>d</b>	OJ L 226, 22.9.1995, p. 1.										
<b>e</b>	OJ L 158, 18.6.2008, p. 17.										
<b>f</b>	[ <sup>F</sup> ]Infant as defined in Article 2 of Directive 2006/141/EC.										
<b>g</b>	This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]										

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									Other specifications: —	of formulation Phosphor content of min. 5,4 % to max. 5,9 %, Acid value of max. 10 mg KOH per gram, Melt range of 85–110 °C,
761	92930	0120218	Bis(2-diethylaminoethyl) methoxycarbonyl-2,6-dimethyl-1,4-dihydropyridine-3-carboxylate)	no	no	6			—	
762	31530	0123968	2,5-Di-tert-pentyl-6-(1-(3,5-di-tert-	yes	no	yes	5			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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			pentyl-2-hydroxyphenyl)ethyl)phenyl ester							
763	39925	0129228323	2,3-bis(methoxymethyl)-2,5-dimethylhexane	yes	no	yes	0,05			
764	13317	0132459542	bis[4-(ethoxycarbonyl)phenyl]-1,4,5,8-naphthalenetetracarboxydiimide	no	yes	no	0,05		Purity > 98,1 % (w/w). Only to be used as co-monomer (max 4 %) for polyesters (PET, PBT).	
765	49485	0134701220	5-(1-methylpentadecyl)phenol	yes	no	yes	1			
766	38879	0135861563	bis(2,4-dimethylbenzylidene)sorbitol	yes	no	no				
767	38510	0136504195	bis(3-aminopropyl)ethylenediamine, polymer with N-butyl-2,2,6,6-tetramethyl-4-piperidinamine and 2,4,6-trichloro-1,3,5-triazine	yes	no	no	5			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

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768	34850	0143925	Articles, yes bis(hydrogenated tallow alkyl) oxidised	no	no			Not to be used for articles in contact with fatty foods for which simulant D is laid down. Only to be used in: (a)	(1)
								(b)	polyolefins at 0,1 % (w/ w) concentration and in PET at 0,25 % (w/ w) concentration.
769	74010	0145650	phosphoric acid, bis(2,4- di-tert- butyl-6- methylphenyl)	no	yes	5		SML expressed as sum of phosphite	

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>F</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]



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			ethyl ester						and phosphate
770	51700	014731525042	4,5-diphenyl-1,3,5-triazin-2-yl)-5-(hexyloxy)phenol	yes	no	no	0,05		
771	34650	01518416511	lauric diisobutyl hydroxybis [2,2'-methylenebis (4,6-di-tert-butylphenyl) phosphate]	yes	no	no	5		
772	47500	0153250523	1,2,3,4-tetrahydro-1,4-dicyclohexyl-2,6-naphthalene dicarboxamide	yes	no	no	5		
773	38840	0154862432	bis(2,4-dicumylphenyl)phosphite	yes	no	yes	5		SML expressed as sum of the substance itself, its oxidised form bis(2,4-dicumylphenyl)pentaerythritol-phosphate and its hydrolysis product (2,4-dicumylphenol)
774	95270	0161717326	tris(tert-butylphenyl)-2-butyl-2-	yes	no	yes	2		SML expressed as sum of

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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			ethyl-1,3-propanediol phosphite						phosphite, phosphate and the hydrolysis product = TTBP	
775	45705	0166412478	8-cyclohexanedicarboxylic acid, diisononyl ester	yes	no	no		(32)		
776	76723	0167883061	dimethylsiloxane, 3-aminopropyl terminated, polymer with dicyclohexylmethane-4,4'-diisocyanate	yes	no	no			The fraction with molecular weight below 1 000 Da should not exceed 1,5 % (w/w)	
777	31542	0174254a2b	dic acid, methyl ester, telomer with 1-dodecanethiol, C <sub>16</sub> -C <sub>18</sub> alkyl esters	yes	no	no			0,5 % in final product	(1)
778	71670	0178671584	acrylonitril tetrakis (2-	yes	no	yes	0,05			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

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			cyano-3,3-diphenylacrylate)						
779	39815	0182121912-6	bis(methoxymethyl)fluorene	yes	no	yes	0,05		(1)
780	81220	01922686047	[[6-[N-(2,2,6,6-tetramethyl-4-piperidinyl)-n-butylamino]-1,3,5-triazine-2,4-diyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,6-hexanediy][(2,2,6,6-tetramethyl-4-piperidinyl)imino]]-α-[N,N,N',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]	yes	no	no	5		

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

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781	95265	0227099160-57	tris(4-benzoylphenyl)benzene	yes	no	no	0,05			
782	76725	0661476061-3	polydimethylsiloxane, 3-aminopropyl terminated, polymer with 1-isocyanato-3-isocyanatomethyl-3,5,5-trimethylcyclohexane			no				The fraction with molecular weight below 1 000 Da should not exceed 1 % (w/w)
783	55910	073615063-3	glycerides castor-oil mono-, hydrogenated, acetates	yes	no	no		(32)		
784	95420	0745070161-5	tris(2,2-dimethylpropanamido)benzene	yes	no	no	0,05			
785	24910	000010001-1	terephthalic acid	yes	no	no		(28)		
786	14627	0000117321-5	3-chlorophthalic anhydride	no	yes	no	0,05			SML expressed as 3-chlorophthalic acid
787	14628	0000118445-6	4-chlorophthalic anhydride	no	yes	no	0,05			SML expressed as 4-chlorophthalic acid

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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788	21498	0002530	135-0 (methacryloxy)propyl]trimethoxysilane	no	yes	no	0,05		Only to be used as a surface treatment agent of inorganic fillers	(1) (11)
789	60027	—	hydrogenated homopolymers and/or copolymers made of 1-hexene and/or 1-octene and/or 1-decene and/or 1-dodecene and/or 1-tetradecene (Mw: 440–12 000)	yes	no	no			Average molecular weight not less than 440 Da. Viscosity at 100 °C not less than 3,8 cSt (3,8 × 10 <sup>-6</sup> m <sup>2</sup> /s).	(2)
790	80480	0090751 0082451	1,4-bis(2,4,6-triazine-2,4-diyl)-[(2,2,6,6-tetramethyl-4-piperidyl)imino]hexamethylene-	yes	no	no	5		Average molecular weight not less than 2 400 Da.	(16)

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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			[(2,2,6,6-tetramethyl-4-piperidyl)imino)]						Residual content of morpholine $\leq 30$ mg/kg, of N,N'-bis(2,2,6,6-tetramethylpiperidin-4-yl)hexane-1,6-diamine $< 15 000$ mg/kg, and of 2,4-dichloro-6-morpholino-1,3,5-triazine $\leq 20$ mg/kg.
791	92470	0106990	N,N',N'',N'''-tetrakis(4,6-bis(N-butyl-(N-methyl-2,2,6,6-tetramethylpiperidin-4-yl)amino)triazin-2-yl)-4,7-diazadecane-1,10-diamine	yes	no	no	0,05		
792	92475	0203255	3,3',5,5'-tetrakis(tert-butyl)-2,2'-dihydroxybiphenyl, cyclic ester with	yes	no	yes	5		SML expressed as the sum of phosphite and phosphate

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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

			[3-(3-tert-butyl-4-hydroxy-5-methylphenyl)propyl]oxyphosphonous acid						form of the substance and the hydrolysis products
793	94000	000010267116	triethanolamine	no	no	0,05			SML expressed as the sum of triethanolamine and the hydrochloride adduct expressed as triethanolamine
[ <sup>F2</sup> 794	18117	0000079141	glycolic acid	no	yes	no			Only to be used for manufacture of polyglycolic acid (PGA) for (i) indirect food contact behind polyesters such as polyethylene terephthalate (PET) or polylactic acid

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>F1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

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									(PLA); and (ii) direct food contact of a blend of PGA up to 3 % w/w in PET or PLA.	
795	40155	0124172	N,N-bis(2,2,6,6-tetramethyl-4-piperidyl)-N,N'-diformylhexamethylenediamine	yes	no	no	0,05			(2) (12)
796	72141	0018600	(1,4-phenylene)bis[4H-3,1-benzoxazin-4-one]	yes	no	yes	0,05		SML including the sum of its hydrolysis products	
[ <sup>F2</sup> 797]	76807	0073018	polyester of adipic acid with 1,3-butanediol, 1,2-propanediol and 2-ethyl-1-hexanol	yes	no	yes		(31) (32)		I

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>F1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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798	92200	0006422	terephthalic acid, bis(2-ethylhexyl)ester	no	no	60	(32)		
799	77708	—	polyethylene glycol (EO = 1-50) ethers of linear and branched primary (C <sub>8</sub> -C <sub>22</sub> ) alcohols	yes	no	1,8		In compliance with the purity criteria for ethylene oxide as laid down in Directive 2008/84/EC laying down specific purity criteria on food additives other than colours and sweeteners (OJ L 253, 20.9.2008, p. 1)	
800	94425	0000867	triethyl phosphonoacetate	yes	no	no		Only for use in PET	
801	30607	—	acids, C <sub>2</sub> -	yes	no	no			

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F<sup>1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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			C <sub>24</sub> , aliphatic, linear, monocarboxylic, from natural oils and fats, lithium salt						
802	33105	0146340	alcohols C <sub>12</sub> - C <sub>14</sub> secondary, β-(2- hydroxyethoxy), ethoxylated	yes	no	no	5		(12)
803	33535	0152261	3-1 alkenes (C <sub>20</sub> - C <sub>24</sub> ) copolymer with maleic anhydride, reaction product with 4- amino-2,2,6,6- tetramethylpiperidine	yes	no	no		Not to be used for articles in contact with fatty foods for which simulant D is laid down. Not to be used in contact with	(13)

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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									alcoholic foods.
804	80510	1010121	poly(1,3-dioxo-1-thiopropyl)-block-poly(x-oleyl-7-hydroxy-1,5-diiminooctane-1,8-diyl), process mixture with x = 1 and/or 5, neutralised with dodecylbenzenesulfonic acid	yes	no	no			Only to be used as polymer production aid in polyethylene (PE), polypropylene (PP) and polystyrene (PS)
805	93450	—	titanium dioxide, coated with a copolymer of n-octyltrichlorosilane and [aminotris(methylenephosphonic acid), penta sodium salt]	yes	no	no			The content of the surface treatment copolymer of the coated titanium dioxide is less than 1 % w/w
806	14876	0001076197-7	cyclohexanedicarboxylic acid	no	yes	no	5		Only to be used for manufacture

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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									of polyesters
807	93485	—	titanium nitride, nanoparticles	yes	no	no			No migration of titanium nitride nanoparticles. Only to be used in PET bottles up to 20 mg/kg. In the PET, the agglomerates have a diameter of 100 – 500 nm consisting of primary titanium nitride nanoparticles; primary particles have a diameter of approximately 20 nm.
808	38550	0882073b14	propylbenzylidene)propylsorbitol	yes	no	no	5		SML including the sum

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

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									of its hydrolysis products	
809	49080	0852282	289-4 (2,6-diisopropylphenyl)-6-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-1H-benzo[de]isoquinolin-1,3(2H)-dione	yes	no	yes	0,05		Only for use in PET	(6) (14) (15)
810	68119		neopentyl glycol, diesters and monoesters with benzoic acid and 2-ethylhexanoic acid	yes	no	no	5	(32)	Not to be used for articles in contact with fatty foods for which simulant D is laid down.	
811	80077	0068441	polyethylene waxes, oxidised	yes	no	no	60			
[ <sup>F2</sup> 812	80350	0124578	poly(12-hydroxystearic acid)-polyethyleneimine copolymer	yes	no	no			Only to be used in plastics up to 0,1 % w/w. Prepared by the reaction	]

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>F1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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									of poly(12-hydroxystearic acid) with polyethyleneimine.
813	91530	—	sulphosuccinic acid alkyl (C <sub>4</sub> -C <sub>20</sub> ) or cyclohexyl diesters, salts	yes	no	no	5		
814	91815	—	sulphosuccinic acid monoalkyl (C <sub>10</sub> -C <sub>16</sub> ) polyethyleneglycol esters, salts	yes	no	no	2		
815	94985	—	trimethylolpropane mixed triesters and diesters with benzoic acid and 2-ethylhexanoic acid	no	no	no	5	(32)	Not to be used for articles in contact with fatty foods for which simulant D is laid down
816	45704	—	cis-1,2-cyclohexanedicarboxylic	yes	no	no	5		

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

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			acid, salts							
817	38507	—	cis- endo- bicyclo[2.2.1]heptane-2,3- dicarboxylic acid, salts	yes	no	no	5			Not to be used with polyethylene in contact with acidic foods. Purity ≥ 96 %.
818	21530	—	methallyl acid, salts	no	yes	no	5			
819	68110	—	neodecanoic acid, salts	yes	no	no	0,05			Not to be used in polymers contacting fatty foods. Not to be used for articles in contact with fatty foods for which simulant D is

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

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										laid down. SML expressed as neodecanoic acid.	
820	76420	—	pimelic acid, salts	yes	no	no					
821	90810	—	stearoyl-lactylic acid, salts	yes	no	no					
822	71938	—	perchloric acid, salts	yes	no	no	0,05				(4)
823	24889	—	5-Sulphoisophthalic acid, salts	no	yes	no	5				
854	71943	0329238 <sup>a</sup> 2416 <sup>b</sup>	perfluoroacetic acid, $\alpha$ -substituted with the copolymer of perfluoro-1,2-propylene glycol and perfluoro-1,1-ethylene glycol, terminated with	yes	no	no				Only to be used in concentrations up to 0,5 % w/w in the polymerisation of fluoropolymers that are processed at temperatures at or above	

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>f</sup>Infant as defined in Article 2 of Directive 2006/141/EC.]

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			chlorohexafluoropropoxy groups					340 °C and are intended for use in repeated use articles
[ <sup>F3</sup> 855	40560		(butadiene, styrene, methyl methacrylate) copolymer cross-linked with 1,3-butanediol dimethacrylate	yes	no	no		Only to be used in rigid poly(vinyl chloride) (PVC) at a maximum level of 12 % at room temperature or below.
856	40563		(butadiene, styrene, methyl methacrylate, butyl acrylate) copolymer cross-linked with divinylbenzene or 1,3-butanediol dimethacrylate	yes	no	no		Only to be used in rigid poly(vinyl chloride) (PVC) at a maximum level of 12 % at room temperature

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>F1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

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									or below.
857	66765	0037953	(methyl methacrylate, butyl acrylate, styrene, glycidyl methacrylate) copolymer	yes	no	no			Only to be used in rigid poly(vinyl chloride) (PVC) at a maximum level of 2 % at room temperature or below.
860	71980	0051798	perfluoropolyethers (poly(n-propoxy)propanoic acid]	yes	no	no			Only to be used in the polymerisation of fluoropolymers that are processed at temperatures at or above 265 °C and are intended for use in repeated use articles

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

**Status:** Point in time view as at 30/12/2011.

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

861	71990	0013252	2,3-bis(2-fluoroethyl)propanoic acid]	no	no			Only to be used in the polymerisation of fluoropolymers that are processed at temperatures at or above 265 °C and are intended for use in repeated use articles
[ <sup>F2</sup> 862	15180	0018085302-4	3,4-diacetoxy-1-butene	no	yes	no	0,05	SML (17) including (19)] the hydrolysis product 3,4-dihydroxy-1-butene Only to be used as a co-monomer for ethylvinylalcohol (EVOH) and polyvinylalcohol

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>F1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

*Status: Point in time view as at 30/12/2011.*

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

									(PVOH) copolymers.
[ <sup>F3</sup> 863	15260	000064612503	no decanediamine	yes	no	no	0,05		Only to be used as a co-monomer for manufacturing polyamide articles for repeated use in contact with aqueous, acidic and dairy foodstuffs at room temperature or for short term contact up to 150 °C.
864	46330	0000056206-4	yes diamino-6-hydroxypyrimidine	no	no	no	5		Only to be used in rigid poly(vinyl chloride) (PVC) in contact

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** [<sup>F1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

*Status: Point in time view as at 30/12/2011.*

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

									with non-acidic and non-alcoholic aqueous food
865	40619	0025322(00-01	(butyl acrylate, methyl methacrylate, butyl methacrylate) copolymer	yes	no	no			Only to be used in rigid poly(vinyl chloride) (PVC) at a maximum level of 1 %
866	40620	—	(butyl acrylate, methyl methacrylate) copolymer, cross-linked with allyl methacrylate	yes	no	no			Only to be used in rigid poly(vinyl chloride) (PVC) at a maximum level of 7 %
867	40815	0040471(00-01	(butyl methacrylate, ethyl acrylate, methyl methacrylate) copolymer	yes	no	no			Only to be used in rigid poly(vinyl chloride) (PVC) at a

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

**Status:** Point in time view as at 30/12/2011.

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

									maximum level of 2 %
868	53245	0009010	68-2 (88-2 acrylate, methyl methacrylate) copolymer	yes	no	no			Only to be used in rigid poly(vinyl chloride) (PVC) at a maximum level of 2 %
869	66763	0027136	68-8 (68-8 acrylate, methyl methacrylate, styrene) copolymer	yes	no	no			Only to be used in rigid poly(vinyl chloride) (PVC) at a maximum level of 3 %
870	95500	0160535	N,N'-tris(2-methylcyclohexyl)-1,2,3-propane-tricarboxamide	yes	no	no	5		
[ <sup>F3</sup> 873]	93460		titanium dioxide reacted with octyltriethoxysilane	yes	no	no			Reaction product of titanium dioxide with up to 2 % w/w

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>F1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

*Status: Point in time view as at 30/12/2011.*

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

									surface treatment substance octyltriethoxysilane, processed at high temperatures.
875	80345	0058128p21612	poly(hydroxystearic acid) stearate	yes	no	yes	5		
878	31335	—	acids, fatty (C <sub>8</sub> -C <sub>22</sub> ) from animal or vegetable fats and oils, esters with branched alcohols, aliphatic, monohydric, saturated, primary (C <sub>3</sub> -C <sub>22</sub> )	yes	no	no			
879	31336	—	acids, fatty (C <sub>8</sub> -C <sub>22</sub> ) from animal or vegetable fats	yes	no	no			

**a** [OJ L 302, 19.11.2005, p. 28.](#)

**b** [OJ L 330, 5.12.1998, p. 32.](#)

**c** [OJ L 253, 20.9.2008, p. 1.](#)

**d** [OJ L 226, 22.9.1995, p. 1.](#)

**e** [OJ L 158, 18.6.2008, p. 17.](#)

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

*Status: Point in time view as at 30/12/2011.*

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

			and oils, esters with alcohols, linear, aliphatic, monohydric, saturated, primary (C <sub>1</sub> -C <sub>22</sub> )						
880	31348	0085116034	fatty (C <sub>8</sub> -C <sub>22</sub> ), esters with pentaerythritol	yes	no	no			
881	25187	000301029644	tetramethylcyclobutane-1,3-diol	no	yes	no	5		Only for repeated use articles for long term storage at room temperature or below and hotfill
882	25872	00024162946	trimethylphenol	no	yes	no	0,05		
883	22074	0004457371-0	methyl-1,5-pentandiol	no	yes	no	0,05		Only to be used

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]



**Status:** Point in time view as at 30/12/2011.

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

									in materials in contact with food at a surface to mass ratio up to 0,5 dm <sup>2</sup> /kg
884	34240	0091082	alkyl C <sub>21</sub> sulphonic acid, esters with phenol	yes	no	no	0,05		Not to be used for articles in contact with fatty foods for which simulant D is laid down.
885	45676	0263244	oligomers of (butylene terephthalate)	yes	no	no			Only to be used in poly(ethylene terephthalate) (PET), poly(butylene terephthalate) (PBT), polycarbonate

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** <sup>[F]</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

**Status:** Point in time view as at 30/12/2011.

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

									(PC), polystyrene (PS) and rigid poly(vinyl chloride) (PVC) plastics in concentrations up to 1 % w/w, in contact with aqueous, acidic and alcoholic foods, for long term storage at room temperature.
[ <sup>F3</sup> 894	93360	0016545	516 di-propionic acid, ditetradecyl ester	no	no		(14)		
895	47060	0171090	3935- di-tert-butyl-4-hydroxyphenyl)propanoic acid, esters with C13-C15 branched	yes	no	no	0,05		Only to be used in polyolefins in contact with foods other

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [<sup>F1</sup>Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

*Status: Point in time view as at 30/12/2011.*

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

			and linear alcohols						than fatty/ high- alcoholic and dairy products.
896	71958	0958445344-8	perfluoro-3- [(3- methoxy- propoxy)propanoic acid], ammonium salt	yes	no	no			Only to be used in the polymerisation of fluoropolymers when: — processed at temperatures higher than 280 °C for at least 10 minutes, — processed at temperatures higher than 190 °C up to 30 % w/ w for use

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

**Status:** Point in time view as at 30/12/2011.

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

										in blends with polyoxymethylene polymers and intended for repeated use articles.
923	39150	0000120404	N,N-bis(2-hydroxyethyl)dodecanamide	yes	no	no	5		The residual amount of diethanolamine in plastics, as an impurity and decomposition product of the substance, should not result in a migration of diethanolamine higher than 0,3 mg/kg food.	(18)
924	94987		trimethylpropyl mixed triesters and diesters	yes	no	no	0,05		Only for use in PET in contact	

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F]Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

**Status:** Point in time view as at 30/12/2011.

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

			with n- octanoic and n- decanoic acids					with all types of foods other than fatty, high- alcoholic and dairy products.	
926	71955	0908020	05200 [(2- ethoxy- ethoxy)acetic acid], ammonium salt	no	no			Only to be used in the polymerisation of fluoropolymers that are processed at temperatures higher than 300 °C for at least 10 minutes.	
971	25885	0002459	10101 trihydro- trimellitate	yes	no			Only to be used as a co- monomer up to 0,35 % w/w to produce	(17)

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

**Status:** Point in time view as at 30/12/2011.

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

									modified polyesters intended to be used in contact with aqueous and dry foodstuffs containing no free fat at the surface.
972	45197	0012158	8746 per hydroxide phosphate	yes	no	no			
973	22931	0019430	(98-Fluoro)butyl ethylene	no	no				Only to be used as a co-monomer up to 0,1 % w/w in the polymerisation of fluoropolymers, sintered at high temperatures.
974	74050	939402-	025-phosphoric acid, mixed 2,4-bis(1,1-	yes	no	yes	5		SML   expressed as the sum of phosphite

**a** OJ L 302, 19.11.2005, p. 28.

**b** OJ L 330, 5.12.1998, p. 32.

**c** OJ L 253, 20.9.2008, p. 1.

**d** OJ L 226, 22.9.1995, p. 1.

**e** OJ L 158, 18.6.2008, p. 17.

**f** [F] Infant as defined in Article 2 of Directive 2006/141/EC.

**g** This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]

*Status: Point in time view as at 30/12/2011.*

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

			dimethylpropyl)phenyl and 4- (1,1- dimethylpropyl)phenyl triesters					and phosphate form of the substance and the hydrolysis product 4-t- amylphenol. The migration of the hydrolysis product 2,4- di-t- amylphenol should not exceed 0,05 mg/kg.
a	OJ L 302, 19.11.2005, p. 28.							
b	OJ L 330, 5.12.1998, p. 32.							
c	OJ L 253, 20.9.2008, p. 1.							
d	OJ L 226, 22.9.1995, p. 1.							
e	OJ L 158, 18.6.2008, p. 17.							
f	[ <sup>F1</sup> Infant as defined in Article 2 of Directive 2006/141/EC.							
g	This restriction is applicable from 1 May 2011 as regards the manufacture and from 1 June 2011 as regards the placing on the market and importation into the Union.]							

#### Textual Amendments

- F1** Inserted by [Commission Implementing Regulation \(EU\) No 321/2011 of 1 April 2011 amending Regulation \(EU\) No 10/2011 as regards the restriction of use of Bisphenol A in plastic infant feeding bottles \(Text with EEA relevance\).](#)
- F2** Substituted by [Commission Regulation \(EU\) No 1282/2011 of 28 November 2011 amending and correcting Commission Regulation \(EU\) No 10/2011 on plastic materials and articles intended to come into contact with food \(Text with EEA relevance\).](#)
- F3** Inserted by [Commission Regulation \(EU\) No 1282/2011 of 28 November 2011 amending and correcting Commission Regulation \(EU\) No 10/2011 on plastic materials and articles intended to come into contact with food \(Text with EEA relevance\).](#)

## 2. Group restriction of substances **U.K.**

Table 2 on Group restrictions contains the following information:

*Status: Point in time view as at 30/12/2011.*

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

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

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

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

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

TABLE 2

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



**Status:** Point in time view as at 30/12/2011.

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

10	28 29 30 31 32 33 466 582 618 619 620 646 676 736	0,006	expressed as tin
11	66 645 657	1,2	expressed as tin
12	444 469 470	30	expressed as the sum of the substances
13	163 285	1,5	expressed as the sum of the substances
[ <sup>F2</sup> 14	294	5	expressed as the sum of the substances and their oxidation products
	368		
	894]		
15	98 196	15	expressed as formaldehyde
16	407 583 584 599	6	expressed as boron Without prejudice to the provisions of Directive 98/83/EC
17	4 167 169 198 274 354 372 460 461 475 476 485 490 653	ND	expressed as isocyanate moiety
18	705 733	0,05	expressed as the sum of the substances

*Status: Point in time view as at 30/12/2011.*

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

19	505 516 519	10	expressed as SO <sub>2</sub>
20	290 386 390	30	expressed as the sum of the substances
21	347 349	5	expressed as trimellitic acid
22	70 147 176 218 323 325 365 371 380 425 446 448 456 636	6	expressed as acrylic acid
23	150 156 181 183 184 355 370 374 439 440 447 457 482	6	expressed as methacrylic acid
24	756 758	5	expressed as the sum of the substances
25	720 747	0,05	sum of mono-n-dodecyltin tris(isooctylmercaptoacetate), di-n-dodecyltin bis(isooctylmercaptoacetate), mono-dodecyltin trichloride and di-dodecyltin dichloride) expressed as the sum of mono- and di-dodecyltin chloride

*Status: Point in time view as at 30/12/2011.*

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

26	728 729	9	expressed as the sum of the substances
27	188 291	5	expressed as isophthalic acid
28	191 192 785	7,5	expressed as terephthalic acid
29	342 672	0,05	expressed as the sum of 6-hydroxyhexanoic acid and caprolactone
30	254 672	5	expressed as 1,4-butanediol
31	73 797	30	expressed as the sum of the substances
32	8 72 73 138 140 157 159 207 242 283 532 670 728 729 775 783 797 798 810 815	60	expressed as the sum of the substances

### 3. Notes on verification of compliance U.K.

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

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

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

TABLE 3

(1)	(2)
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*Status: Point in time view as at 30/12/2011.*

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

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

*Status: Point in time view as at 30/12/2011.*

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

(14)	There is a risk that the SML could be exceeded from plastics containing more than 0,5 % w/w of the substance.
(15)	There is a risk that the SML could be exceeded in contact with foods with high alcoholic content.
(16)	There is a risk that the SML could be exceeded from low-density polyethylene (LDPE) containing more than 0,3 % w/w of the substance when in contact with fatty foods
(17)	Only a method for determination of the residual content of the substance in the polymer is available
[ <sup>F3</sup> (18)	There is a risk that the SML could be exceeded from low-density polyethylene (LDPE)
(19)	There is a risk that the OML could be exceeded in direct contact with aqueous foods from ethylvinylalcohol (EVOH) and polyvinylalcohol (PVOH) copolymers]

#### 4. Detailed specification on substances **U.K.**

Table 4 on detailed specifications on substances contains the following information

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

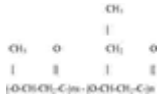
Column 2 (Detailed specification on the substance): contains the specification on the substance.

TABLE 4

(1) FCM substance No	(2) Detailed specification on the substance
744	<p>Definition</p> <p>The copolymers are produced by the controlled fermentation of <i>Alcaligenes eutrophus</i> using mixtures of glucose and propanoic acid as carbon sources. The organism used has not been genetically engineered and has been derived from a single wildtype organism <i>Alcaligenes eutrophus</i> strain H16 NCIMB 10442. Master stocks of the organism are stored as freeze-dried</p>

**Status:** Point in time view as at 30/12/2011.

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

		ampoules. A submaster/working stock is prepared from the master stock and stored in liquid nitrogen and used to prepare inocula for the fermenter. Fermenter samples will be examined daily both microscopically and for any changes in colonial morphology on a variety of agars at different temperatures. The copolymers are isolated from heat treatment bacteria by controlled digestion of the other cellular components, washing and drying. These copolymers are normally offered as formulated, melt formed granules containing additives such as nucleating agents, plasticisers, fillers, stabilisers and pigments which all conform to the general and individual specifications
	Chemical name	Poly(3-D-hydroxybutanoate-co-3-D-hydroxypentanoate)
	CAS number	0080181-31-3
	Structural formula	 <p>where n/(m + n) greater than 0 and less or equal to 0,25</p>
	Average molecular weight	Not less than 150 000 Daltons (measured by gel permeation chromatography)
	Assay	Not less than 98 % poly(3-D-hydroxybutanoate-co-3-D-hydroxy-pentanoate) analysed after hydrolysis as a mixture of 3-D-hydro-xybutanoic and 3-D-hydroxypentanoic acids
	Description	White to off-white powder after isolation
	Characteristics	
	Identification tests:	

*Status: Point in time view as at 30/12/2011.*

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

	Solubility	Soluble in chlorinated hydrocarbons such as chloroform or dichloromethane but practically insoluble in ethanol, aliphatic alkanes and water
	Restriction	QMA for crotonic acid is 0,05 mg/6 dm <sup>2</sup>
	Purity	Prior to granulation the raw material copolymer powder must contain:
	— nitrogen,	Not more than 2 500 mg/kg of plastic
	— zinc,	Not more than 100 mg/kg of plastic
	— copper,	Not more than 5 mg/kg of plastic
	— lead,	Not more than 2 mg/kg of plastic
	— arsenic,	Not more than 1 mg/kg of plastic
	— chromium,	Not more than 1 mg/kg of plastic

## ANNEX II U.K.

### Restrictions on materials and articles

1. Plastic materials and articles shall not release the following substances in quantities exceeding the specific migration limits below:

Barium = 1 mg/kg food or food simulant.

Cobalt = 0,05 mg/kg food or food simulant.

Copper = 5 mg/kg food or food simulant.

Iron = 48 mg/kg food or food simulant.

Lithium = 0,6 mg/kg food or food simulant.

Manganese = 0,6 mg/kg food or food simulant.

Zinc = 25 mg/kg food or food simulant.

2. Plastic materials and articles shall not release primary aromatic amines, excluding those appearing in Table 1 of Annex I, in a detectable quantity into food or food

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simulant. The detection limit is 0,01 mg of substance per kg of food or food simulant. The detection limit applies to the sum of primary aromatic amines released.

## ANNEX III U.K.

### Food simulants

#### 1. Food simulants U.K.

For demonstration of compliance for plastic materials and articles not yet in contact with food the food simulants listed in Table 1 below are assigned.

TABLE 1

#### List of food simulants

Food simulant	Abbreviation
Ethanol 10 % (v/v)	Food simulant A
Acetic acid 3 % (w/v)	Food simulant B
Ethanol 20 % (v/v)	Food simulant C
Ethanol 50 % (v/v)	Food simulant D1
Vegetable oil <sup>a</sup>	Food simulant D2
poly(2,6-diphenyl-p-phenylene oxide), particle size 60-80 mesh, pore size 200 nm	Food simulant E

**a** This may be any vegetable oil with a fatty acid distribution of

No of carbon atoms in fatty acid chain: No of unsaturation	6-12	14	16	18:0	18:1	18:2	18:3
Range of fatty acid composition expressed % (w/w) of methyl esters by Gas chromatography	< 1	< 1	1,5-20	< 7	15-85	5-70	< 1,5

#### 2. General assignment of food simulants to foods U.K.

Food simulants A, B and C are assigned for foods that have a hydrophilic character and are able to extract hydrophilic substances. Food simulant B shall be used for those foods which have a pH below 4.5. Food simulant C shall be used for alcoholic foods with an alcohol content of up to 20 % and those foods which contain a relevant amount of organic ingredients that render the food more lipophilic.

Food simulants D1 and D2 are assigned for foods that have a lipophilic character and are able to extract lipophilic substances. Food simulant D1 shall be used for alcoholic foods with an



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alcohol content of above 20 % and for oil in water emulsions. Food simulant D2 shall be used for foods which contain free fats at the surface.

Food simulant E is assigned for testing specific migration into dry foods.

3. Specific assignment of food simulants to foods for migration testing of materials and articles not yet in contact with food **U.K.**

For testing migration from materials and articles not yet in contact with food the food simulants that corresponds to a certain food category shall be chosen according Table 2 below.

For testing overall migration from materials and articles intended to come into contact with different food categories or a combination of food categories the food simulant assignment in point 4 is applicable.

Table 2 contains the following information:

Column 1 (Reference number): contains the reference number of the food category.

Column 2 (Description of food): contains a description of the foods covered by the food category

Column 3 (Food simulants): contains sub-columns for each of the food simulants

The food simulant for which a cross is contained in the respective sub-column of column 3 shall be used when testing migration of materials and articles not yet in contact with food.

For food categories where in sub-column D2 the cross is followed by an oblique stroke and a figure, the migration test result shall be divided by this figure before comparing the result with the migration limit. The figure is the correction factor referred to in point 4.2 of Annex V to this Regulation.

For food category 01.04 food simulant D2 shall be replaced by 95 % ethanol.

For food categories where in sub-column B the cross is followed by (\*) the testing in food simulant B can be omitted if the food has a pH of more than 4.5.

For food categories where in sub-column D2 the cross is followed by (\*\*) the testing in food simulant D2 can be omitted if it can be demonstrated by means of an appropriate test that there is no 'fatty contact' with the plastic food contact material.

TABLE 2

food category specific assignment of food simulants

(1) Reference number	(2) Description of food	(3) Food simulants					
		A	B	C	D1	D2	E
01	<b>Beverages</b>						
01.01	Non-alcoholic beverages or alcoholic beverages of an alcoholic strength						

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	lower than or equal to 6 % vol.:						
	A. Clear drinks: Water, ciders, clear fruit or vegetable juices of normal strength or concentrated, fruit nectars, lemonades, syrups, bitters, infusions, coffee, tea, beers, soft drinks, energy drinks and the like, flavoured water, liquid coffee extract		X(*)	X			
	B. cloudy drinks: juices and nectars and soft drinks containing fruit pulp, musts containing fruit pulp, liquid chocolate		X(*)		X		
01.02	Alcoholic beverages			X			

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	of an alcoholic strength of between 6 %vol and 20 %.						
01.03	Alcoholic beverages of an alcoholic strength above 20 % and all cream liquors				X		
01.04	Miscellaneous: undenaturated ethyl alcohol	X(*)				Substitute 95 % ethanol	
02	<b>Cereals, cereal products, pastry, biscuits, cakes and other bakers' wares</b>						
02.01	Starches						X
02.02	Cereals, unprocessed, puffed, in flakes (including popcorn, corn flakes and the like)						X
02.03	Cereal flour and meal						X
02.04	Dry pasta e.g. macaroni, spaghetti and similar						X

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	products and fresh pasta						
02.05	Pastry, biscuits, cakes, bread, and other bakers' wares, dry:						
	A. With fatty substances on the surface					X/3	
	B. Other						X
02.06	Pastry, cakes, bread, dough and other bakers' wares, fresh:						
	A. With fatty substances on the surface					X/3	
	B. Other						X
03	<b>Chocolate, sugar and products thereof Confectionery products</b>						
03.01	Chocolate, chocolate-coated products, substitutes and					X/3	

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

	products coated with substitutes						
03.02	Confectionery products:						
	A. In solid form:						
	I. With fatty substances on the surface				X/3		
	II. Other						X
	B. In paste form:						
	I. With fatty substances on the surface				X/2		
	II. Moist			X			
03.03	Sugar and sugar products						
	A. In solid form: crystal or powder						X
	B. X Molasses, sugar syrups, honey and the like						

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

04	<b>Fruit, vegetables and products thereof</b>						
04.01	Whole fruit, fresh or chilled, unpeeled						
04.02	Processed fruit:						
	A. Dried or dehydrated fruits, whole, sliced, flour or powder						X
	B. Fruit in the form of purée, preserves, pastes or in its own juice or in sugar syrup (jams, compote, and similar products)	X(*)	X				
	C. Fruit preserved in a						

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

		liquid medium:					
	I.	In an oily medium				X	
	II.	In an alcoholic medium			X		
04.03	Nuts (peanuts, chestnuts, almonds, hazelnuts, walnuts, pine kernels and others):						
	A.	Shelled, dried, flaked or powdered					X
	B.	Shelled and roasted					X
	C.	X In paste or cream form				X	
04.04	Whole vegetables, fresh or chilled, unpeeled						
04.05	Processed vegetables:						
	A.	Dried or dehydrated vegetables					X

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	whole, sliced or in the form of flour or powder					
	B. X Fresh vegetables, peeled or cut					
	C. Vegetables in the form of purée, preserves, pastes or in its own juice (including pickled and in brine)	X(*)	X			
	D. Preserved vegetables:					
	I. X In an oily medium				X	
	II. In an alcoholic medium			X		
05	<b>Fats and oils</b>					



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

05.01	Animals and vegetable fats and oils, whether natural or treated (including cocoa butter, lard, resolidified butter)					X	
05.02	Margarine, butter and other fats and oils made from water emulsions in oil					X/2	
06	<b>Animal products and eggs</b>						
06.01	Fish:						
	A.	X Fresh, chilled, processed, salted or smoked including fish eggs				X/3(**)	
	B.	Preserved fish:					
	I.	X In an oily medium				X	
	II.	In an aqueous medium	X(*)	X			

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

06.02	Crustaceans and molluscs (including oysters, mussels, snails)						
	A. Fresh within the shell						
	B. Shell removed, processed, preserved or cooked with the shell						
	I. X In an oily medium					X	
	II. In an aqueous medium	X(*)	X				
06.03	Meat of all zoological species (including poultry and game):						
	A. X Fresh, chilled, salted, smoked					X/4(**)	
	B. X Processed meat products (such as					X/4(**)	

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

		ham, salami, bacon, sausages, and other) or in the form of paste, creams					
	C.	X Marinated meat products in an oily medium				X	
06.04	Preserved meat:						
	A.	X In an fatty or oily medium				X/3	
	B.	In an aqueous medium	X(*)		X		
06.05	Whole eggs, egg yolk, egg white						
	A.	Powdered or dried or frozen					X
	B.	Liquid and cooked			X		

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

07	<b>Milk products</b>						
07.01	Milk						
	A. Milk and milk based drinks whole, partly dried and skimmed or partly skimmed				X		
	B. Milk powder including infant formula (based on whole milk powder)						X
07.02	Fermented milk such as yoghurt, buttermilk and similar products		X(*)		X		
07.03	Cream and sour cream		X(*)		X		
07.04	Cheeses:						
	A. Whole, with not edible rind						X
	B. Natural cheese without					X/3(**)	

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

	rind or with edible rind (gouda, camembert, and the like) and melting cheese					
	C. Processed cheese (soft cheese, cottage cheese and similar)	X(*)		X		
	D. Preserved cheese:					
	I. X In an oily medium				X	
	II. In an aqueous medium (feta, mozzarella, and similar)	X(*)		X		
08	<b>Miscellaneous products</b>					
08.01	Vinegar	X				
08.02	Fried or roasted foods:					
	A. X Fried potatoes, fritters and				X/5	

*Status: Point in time view as at 30/12/2011.*

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

		the like					
	B.	X Of animal origin				X/4	
08.03		Preparations for soups, broths, sauces, in liquid, solid or powder form (extracts, concentrates); homogenised composite food preparations, prepared dishes including yeast and raising agents					
	A.	Powdered or dried:					
	I.	With fatty character				X/5	
	II.	Other					X
	B.	any other form than powdered or dried:					
	I.	X With fatty character	X(*)			X/3	
	II.	Other	X(*)	X			

*Status: Point in time view as at 30/12/2011.*

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

08.04	Sauces:						
	A.	With aqueous character	X(*)	X			
	B.	X With fatty character e.g. mayonnaise, sauces derived from mayonnaise, salad creams and other oil/water mixtures e.g. coconut based sauces	X(*)			X	
08.05	Mustard (except powdered mustard under heading 08.14)	X	X(*)			X/3(**)	
08.06	Sandwiches, toasted bread pizza and the like containing any kind of foodstuff						
	A.	X With fatty substances on the surface				X/5	

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	B. Other						X
08.07	Ice-creams			X			
08.08	Dried foods:						
	A. With fatty substances on the surface					X/5	
	B. Other						X
08.09	Frozen or deep-frozen foods						X
08.10	Concentrated extracts of an alcoholic strength equal to or exceeding 6 % vol.		X(*)		X		
08.11	Cocoa:						
	A. Cocoa powder, including fat-reduced and highly fat reduced						X
	B. Cocoa paste					X/3	
08.12	Coffee, whether or not roasted, decaffeinated or soluble,						X



**Status:** Point in time view as at 30/12/2011.

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

	coffee substitutes, granulated or powdered						
08.13	Aromatic herbs and other herbs such as camomile, mallow, mint, tea, lime blossom and others						X
08.14	Spices and seasonings in the natural state such as cinnamon, cloves, powdered mustard, pepper, vanilla, saffron, salt and other						X
08.15	Spices and seasoning in oily medium such as pesto, curry paste					X	

#### 4. Food simulant assignment for testing overall migration **U.K.**

To demonstrate compliance with the overall migration limit for all type of foods testing in distilled water or water of equivalent quality or food simulant A and food simulant B and simulant D2 shall be performed.

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*Status: Point in time view as at 30/12/2011.*

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

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To demonstrate compliance with the overall migration limit for all types of food except for acidic foods testing in distilled water or water of equivalent quality or food simulant A and food simulant D2 shall be performed.

To demonstrate compliance with the overall migration limit for all aqueous and alcoholic foods and milk products testing in food simulant D1 shall be performed.

To demonstrate compliance with the overall migration limit for all aqueous, acidic and alcoholic foods and milk products testing in food simulant D1 and food simulant B shall be performed.

To demonstrate compliance with the overall migration limit for all aqueous foods and alcoholic foods up to an alcohol content of 20 % testing in food simulant C shall be performed.

To demonstrate compliance with the overall migration limit for all aqueous and acidic foods and alcoholic foods up to an alcohol content of 20 % testing in food simulant C and food simulant B shall be performed.

## ANNEX IV **U.K.**

### Declaration of compliance

The written declaration referred to in Article 15 shall contain the following information:

- (1) the identity and address of the business operator issuing the declaration of compliance;
- (2) the identity and address of the business operator which manufactures or imports the plastic materials or articles or products from intermediate stages of their manufacturing or the substances intended for the manufacturing of those materials and articles;
- (3) the identity of the materials, the articles, products from intermediate stages of manufacture or the substances intended for the manufacturing of those materials and articles;
- (4) the date of the declaration;
- (5) confirmation that the plastic materials or articles, products from intermediate stages of manufacture or the substances meet relevant requirements laid down in this Regulation and Regulation (EC) No 1935/2004;
- (6) adequate information relative to the substances used or products of degradation thereof for which restrictions and/or specifications are set out in Annexes I and II to this Regulation to allow the downstream business operators to ensure compliance with those restrictions;
- (7) adequate information relative to the substances which are subject to a restriction in food, obtained by experimental data or theoretical calculation about the level of their specific migration and, where appropriate, purity criteria in accordance with Directives 2008/60/EC, 95/45/EC and 2008/84/EC to enable the user of these materials or articles to comply with the relevant EU provisions or, in their absence, with national provisions applicable to food;
- (8) specifications on the use of the material or article, such as:
  - (i) type or types of food with which it is intended to be put in contact;

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- (ii) time and temperature of treatment and storage in contact with the food;
  - (iii) ratio of food contact surface area to volume used to establish the compliance of the material or article;
- (9) when a functional barrier is used in a multi-layer material or article, the confirmation that the material or article complies with the requirements of Article 13(2), (3) and (4) or Article 14(2) and (3) of this Regulation.

## ANNEX V **U.K.**

### COMPLIANCE TESTING

For testing compliance of migration from plastic food contact materials and articles the following general rules apply.

#### CHAPTER 1 **U.K.**

##### **Testing for specific migration of materials and articles already in contact with food**

###### 1.1. Sample preparation **U.K.**

The material or article shall be stored as indicated on the packaging label or under conditions adequate for the packaged food if no instructions are given. The food shall be removed from contact with the material or article before its expiration date or any date by which the manufacturer has indicated the product should be used for reasons of quality or safety.

###### 1.2. Conditions of testing **U.K.**

The food shall be treated in accordance with the cooking instructions on the package if the food is to be cooked in the package. Parts of the food which are not intended to be eaten shall be removed and discarded. The remainder shall be homogenised and analysed for migration. The analytical results shall always be expressed on the basis of the food mass that is intended to be eaten, in contact with the food contact material.

###### 1.3. Analysis of migrated substances **U.K.**

The specific migration is analysed in the food using an analytical method in accordance with the requirements of Article 11 of Regulation (EC) No 882/2004.

###### 1.4. Special cases **U.K.**

When contamination occurs from sources other than food contact materials this has to be taken into account when testing for compliance of the food contact materials, in particular for phthalates (FCM substance 157, 159, 283, 728, 729) referred to in Annex I.

#### CHAPTER 2 **U.K.**

##### **Testing for specific migration of materials and articles not yet in contact with food**

###### 2.1. Verification method **U.K.**

*Status: Point in time view as at 30/12/2011.*

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

Verification of compliance of migration into foods with the migration limits shall be carried out under the most extreme conditions of time and temperature foreseeable in actual use taking into account paragraphs 1.4, 2.1.1, 2.1.6 and 2.1.7.

Verification of compliance of migration into food simulants with the migration limits shall be carried out using conventional migration tests according to the rules set out in paragraphs 2.1.1 to 2.1.7.

#### 2.1.1. Sample preparation **U.K.**

The material or article shall be treated as described by accompanying instructions or by provisions given in the declaration of compliance.

Migration is determined on the material or article or, if this is impractical, on a specimen taken from the material or article, or a specimen representative of this material or article. For each food simulant or food type, a new test specimen is used. Only those parts of the sample which are intended to come into contact with foods in actual use shall be placed in contact with the food simulant or the food.

#### 2.1.2. Choice of food simulant **U.K.**

Materials and articles intended for contact with all types of food shall be tested with food simulant A, B and D2. However, if substances that may react with acidic food simulant or foods are not present testing in food simulant B can be omitted.

Materials and articles intended only for specific types of foods shall be tested with the food simulants indicated for the food types in Annex III.

#### 2.1.3. Conditions of contact when using food simulants **U.K.**

The sample shall be placed in contact with the food simulant in a manner representing the worst of the foreseeable conditions of use as regard contact time in Table 1 and as regard contact temperature in Table 2.

If it is found that carrying out the tests under the combination of contact conditions specified in Tables 1 and 2 causes physical or other changes in the test specimen which do not occur under worst foreseeable conditions of use of the material or article under examination, the migration tests shall be carried out under the worst foreseeable conditions of use in which these physical or other changes do not take place.

TABLE 1

Contact time	
Contact time in worst foreseeable use	Test time
$t \leq 5$ min	5 min
$5 \text{ min} < t \leq 0,5$ hour	0,5 hour
$0,5 \text{ hours} < t \leq 1$ hour	1 hour
$1 \text{ hour} < t \leq 2$ hours	2 hours
$2 \text{ hours} < t \leq 6$ hours	6 hours
$6 \text{ hours} < t \leq 24$ hours	24 hours
$1 \text{ day} < t \leq 3$ days	3 days

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3 days < t ≤ 30 days	10 days
Above 30 days	See specific conditions

TABLE 2

Contact temperature	
Conditions of contact in worst foreseeable use	Test conditions
Contact temperature	Test temperature
T ≤ 5 °C	5 °C
5 °C < T ≤ 20 °C	20 °C
20 °C < T ≤ 40 °C	40 °C
40 °C < T ≤ 70 °C	70 °C
70 °C < T ≤ 100 °C	100 °C or reflux temperature
100 °C < T ≤ 121 °C	121 °C <sup>a</sup>
121 °C < T ≤ 130 °C	130 °C <sup>a</sup>
130 °C < T ≤ 150 °C	150 °C <sup>a</sup>
150 °C < T < 175 °C	175 °C <sup>a</sup>
T > 175 °C	Adjust the temperature to the real temperature at the interface with the food <sup>a</sup>

<sup>a</sup> This temperature shall be used only for food simulants D2 and E. For applications heated under pressure migration testing under pressure at the relevant temperature may be performed. For food simulants A, B, C or D1 the test may be replaced by a test at 100 °C or at reflux temperature for duration of four times the time selected according to the conditions in Table 1.

2.1.4. Specific conditions for contact times above 30 days at room temperature and below U.K.

For contact times above 30 days at room temperature and below the specimen shall be tested in an accelerated test at elevated temperature for a maximum of 10 days at 60 °C. Testing time and temperature conditions shall be based on the following formula.

$$t_2 = t_1 * \text{Exp}((-E_a/R) * (1/T_1 - 1/T_2))$$

E<sub>a</sub> is the worst case activation energy 80kJ/mol

R is a factor 8,31 J/Kelvin/mol

$$\text{Exp} -9627 * (1/T_1 - 1/T_2)$$

t<sub>1</sub> is the contact time

t<sub>2</sub> is the testing time

T<sub>1</sub> is the contact temperature in Kelvin. For room temperature storage this is set at 298 K (25 °C). For refrigerated and frozen conditions it is set at 278 K (5 °C).

T<sub>2</sub> is the testing temperature in Kelvin.

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

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Testing for 10 days at 20 °C shall cover all storage times at frozen condition.

Testing for 10 days at 40 °C shall cover all storage times at refrigerated and frozen conditions including heating up to 70 °C for up to 2 hours, or heating up to 100 °C for up to 15 minutes.

Testing for 10 days at 50 °C shall cover all storage time at refrigerated and frozen conditions including heating up to 70 °C for up to 2 hours, or heating up to 100 °C for up to 15 minutes and storage times of up to 6 months at room temperature.

Testing for 10 days at 60 °C shall cover long term storage above 6 months at room temperature and below including heating up to 70 °C for up to 2 hours, or heating up to 100 °C for up to 15 minutes.

The maximum testing temperature is governed by the phase transition temperature of the polymer. At the test temperature the test specimen should not undergo any physical changes.

For storage at room temperature testing time can be reduced to 10 days at 40 °C if there is scientific evidence that migration of the respective substance in the polymer has reached equilibration under this test condition.

#### 2.1.5. Specific conditions for combinations of contact times and temperature **U.K.**

If a material or article is intended for different applications covering different combinations of contact time and temperature the testing should be restricted to the test conditions which are recognised to be the most severe on the basis of scientific evidence.

If the material or article is intended for a food contact application where it is successively subject to a combination of two or more times and temperatures, the migration test shall be carried out subjecting the test specimen successively to all the applicable worst foreseeable conditions appropriate to the sample, using the same portion of food simulant.

#### 2.1.6. Repeated use articles **U.K.**

If the material or article is intended to come into repeated contact with foods, the migration test(s) shall be carried out three times on a single sample using another portion of food simulant on each occasion. Its compliance shall be checked on the basis of the level of the migration found in the third test.

However, if there is conclusive proof that the level of the migration does not increase in the second and third tests and if the migration limits are not exceeded on the first test, no further test is necessary.

The material or article shall respect the specific migration limit already in the first test for substances for which in Annex I Table 1 column 8 or Table 2 column 3 the specific migration limit is set as non-detectable and for non-listed substances used behind a plastic functional barrier covered by the rules of point (b) of Articles 13(2) which should not migrate in detectable amounts.

#### 2.1.7. Analysis of migrating substances **U.K.**

At the end of the prescribed contact time, the specific migration is analysed in the food or food simulant using an analytical method in accordance with the requirements of Article 11 of Regulation (EC) No 882/2004.

#### 2.1.8. Verification of compliance by residual content per food contact surface area (QMA) **U.K.**

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

For substances which are unstable in food simulant or food or for which no adequate analytical method is available it is indicated in Annex I that verification of compliance shall be undertaken by verification of residual content per 6 dm<sup>2</sup> of contact surface. For materials and articles between 500 ml and 10 l the real contact surface is applied. For materials and articles below 500 ml and above 10 l as well as for articles for which it is impractical to calculate the real contact surface the contact surface is assumed to be 6 dm<sup>2</sup> per kg food.

## 2.2. Screening approaches **U.K.**

To screen if a material or article complies with the migration limits any of the following approaches can be applied which are considered more severe than the verification method described in section 2.1.

### 2.2.1. Replacing specific migration by overall migration **U.K.**

To screen for specific migration of non-volatile substances, determination of overall migration under test conditions at least as severe as for specific migration can be applied.

### 2.2.2. Residual content **U.K.**

To screen for specific migration the migration potential can be calculated based on the residual content of the substance in the material or article assuming complete migration.

### 2.2.3. Migration modelling **U.K.**

To screen for specific migration the migration potential can be calculated based on the residual content of the substance in the material or article applying generally recognised diffusion models based on scientific evidence that are constructed such as to overestimate real migration.

### 2.2.4. Food simulant substitutes **U.K.**

To screen for specific migration, food simulants can be replaced by substitute food simulants if it is based on scientific evidence that the substitute food simulants overestimate migration compared to the regulated food simulants.

## CHAPTER 3 **U.K.**

### Testing for overall migration

Overall migration testing shall be performed under the standardised testing conditions set out in this chapter.

#### 3.1. Standardised testing conditions **U.K.**

The overall migration test for materials and articles intended for the food contact conditions described in column 3 of Table 3 shall be performed for the time specified and at the temperature specified in column 2. For test OM5 the test can be performed either for 2 hours at 100 °C (food simulant D2) or at reflux (food simulant A, B, C, D1) or for 1 hour at 121 °C. The food simulant shall be chosen in accordance with Annex III.

If it is found that carrying out the tests under the contact conditions specified in Table 3 causes physical or other changes in the test specimen which do not occur under worst foreseeable conditions of use of the material or article under examination, the migration tests shall be carried out under the worst foreseeable conditions of use in which these physical or other changes do not take place.

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TABLE 3

## Standardised testing conditions

<b>Column 1</b>	<b>Column 2</b>	<b>Column 3</b>
<b>Test number</b>	<b>Contact time in days [d] or hours [h] at Contact temperature in [°C]</b>	<b>Intended food contact conditions</b>
OM1	10 d at 20 °C	Any food contact at frozen and refrigerated conditions.
OM2	10 d at 40 °C	Any long term storage at room temperature or below, including heating up to 70 °C for up to 2 hours, or heating up to 100 °C for up to 15 minutes.
OM3	2 h at 70 °C	Any contact conditions that include heating up to 70 °C for up to 2 hours, or up to 100 °C for up to 15 minutes, which are not followed by long term room or refrigerated temperature storage.
OM4	1 h at 100 °C	High temperature applications for all food simulants at temperature up to 100 °C.
OM5	2 h at 100 °C or at reflux or alternatively 1 h at 121 °C	High temperature applications up to 121 °C.
OM6	4 h at 100 °C or at reflux	Any food contact conditions with food simulants A, B or C, at temperature exceeding 40 °C.
OM7	2 h at 175 °C	High temperature applications with fatty foods exceeding the conditions of OM5.

Test OM 7 covers also food contact conditions described for OM1, OM2, OM3, OM4, OM5. It represents the worst case conditions for fatty food simulants in contact with non-polyolefins. In case it is technically not feasible to perform OM 7 with food simulant D2 the test can be replaced as set out in paragraph 3.2.

Test OM 6 covers also food contact conditions described for OM1, OM2, OM3, OM4 and OM5. It represents worst case conditions for food simulants A, B and C in contact with non-polyolefins.

Test OM 5 covers also food contact conditions described for OM1, OM2, OM3, OM4. It represents the worst case conditions for all food simulants in contact with polyolefins.



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Test OM 2 covers also food contact conditions described for OM1 and OM3.

### 3.2. Substitute test for OM7 with food simulant D2 **U.K.**

In case it is technically NOT feasible to perform OM7 with food simulant D2 the test can be replaced by test OM 8 or OM9. Both test conditions described under the respective test shall be performed with a new test sample.

Test number	Test conditions	Intended food contact conditions	Covers the intended food contact conditions described in
OM 8	Food simulant E for 2 hours at 175 °C and food simulant D2 for 2 hours at 100 °C	High temperature applications only	OM1, OM3, OM4, OM5, and OM6
OM 9	Food simulant E for 2 hours at 175 °C and food simulant D2 for 10 days at 40 °C	High temperature applications including long term storage at room temperature	OM1, OM2, OM3, OM4, OM5 and OM6

### 3.3. Repeated use articles **U.K.**

Where a material or article is intended to come into repeated contact with foods, the migration test shall be carried out three times on a single sample using another sample of the food simulant on each occasion.

Its compliance shall be checked on the basis of the level of the migration found in the third test. However, if there is conclusive proof that the level of the migration does not increase in the second and third tests and if the overall migration limit is not exceeded on the first test, no further test is necessary.

### 3.4. Screening approaches **U.K.**

To screen if a material or article complies with the migration limits any of the following approaches can be applied which are considered more severe than the verification method described in sections 3.1. and 3.2.

#### 3.4.1. Residual content **U.K.**

To screen for overall migration the migration potential can be calculated based on the residual content of migratable substances determined in a complete extraction of the material or article.

#### 3.4.2. Food simulant substitutes **U.K.**

To screen for overall migration food simulants can be replaced if based on scientific evidence the substitute food simulants overestimate migration compared to the regulated food simulants.

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## CHAPTER 4 **U.K.**

### **Correction factors applied when comparing migration test results with migration limits**

#### 4.1. Correction of specific migration in foods containing more than 20 % fat by the Fat Reduction Factor (FRF) **U.K.**

For lipophilic substances for which in Annex I it is indicated in column 7 that the FRF is applicable the specific migration can be corrected by the FRF. The FRF is determined according to the formula  $FRF = (\text{g fat in food/kg of food})/200 = (\% \text{ fat} \times 5)/100$ .

The FRF shall be applied according to the following rules.

The migration test results shall be divided by the FRF before comparing with the migration limits.

The correction by the FRF is not applicable in the following cases:

- (a) when the material or article is or is intended to be brought in contact with food intended for infants and young children as defined by Directives 2006/141/EC and 2006/125/EC;
- (b) for materials and articles for which it is impracticable to estimate the relationship between the surface area and the quantity of food in contact therewith, for example due to their shape or use, and the migration is calculated using the conventional surface area/volume conversion factor of 6 dm<sup>2</sup>/kg.

The application of the FRF shall not lead to a specific migration exceeding the overall migration limit.

#### 4.2. Correction of migration into food simulant D2 **U.K.**

For the food categories where in sub-column D2 of column 3 of Table 2 of Annex III the cross is followed by a figure the migration test result into food simulant D2 shall be divided by this figure.

The migration test results shall be divided by the correction factor before comparing with the migration limits.

The correction is not applicable to the specific migration for substances in the Union list in Annex I for which the specific migration limit in column 8 is 'not detectable' and for non-listed substances used behind a plastic functional barrier covered by the rules of Article 13(2) (b) which should not migrate in detectable amounts.

#### 4.3. Combination of correction factors 4.1 and 4.2. **U.K.**

The correction factors described in 4.1 and 4.2 can be combined for migration of substances for which the FRF is applicable when testing is performed in food simulant D2 by multiplying both factors. The applied maximum factor shall not exceed 5.

## ANNEX VI **U.K.**

### Correlation tables

Directive 2002/72/EC	This Regulation
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*Status: Point in time view as at 30/12/2011.*

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

Article 1(1)	Article 1
Article 1(2), (3) and (4)	Article 2
Article 1a	Article 3
Article 3(1), Article 4(1) and Article 5	Article 5
Article 4(2), Article 4a(1) and (4), Article 4d, Annex II (2) and (3) and Annex III (2) and (3)	Article 6
Article 4a(3) and (6)	Article 7
Annex II (4) and Annex III (4)	Article 8
Article 3(1) and Article 4(1)	Article 9
Article 6	Article 10
Article 5a(1) and Annex I (8)	Article 11
Article 2	Article 12
Article 7a	Article 13
Article 9(1) and (2)	Article 15
Article 9(3)	Article 16
Article 7 and Annex I (5a)	Article 17
Article 8	Article 18
Annex II (3) and Annex III (3)	Article 19
Annex I, Annex II, Annex IV, Annex IVa, Annex V Part B, and Annex VI	Annex I
Annex II (2), Annex III (2) and Annex V, Part A	Annex II
Article 8(5) and Annex VIa	Annex IV
Annex I	Annex V
<b>Directive 93/8/EEC</b>	<b>This Regulation</b>
Article 1	Article 11
Article 1	Article 12
Article 1	Article 18
Annex	Annex III
Annex	Annex V
<b>Directive 97/48/EC</b>	<b>This Regulation</b>
Annex	Annex III
Annex	Annex V

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- (1) OJ L 338, 13.11.2004, p. 4.
- (2) OJ L 220, 15.8.2002, p. 18.
- (3) OJ L 44, 15.2.1978, p. 15.
- (4) OJ L 135, 30.5.2009, p. 3.
- (5) OJ L 354, 31.12.2008, p. 16.
- (6) OJ L 354, 31.12.2008, p. 34.
- (7) OJ L 31, 1.2.2002, p. 1.
- (8) SCF opinion of 4 December 2002 on the introduction of a Fat (Consumption) Reduction Factor (FRF) in the estimation of the exposure to a migrant from food contact materials.  
[http://ec.europa.eu/food/fs/sc/scf/out149\\_en.pdf](http://ec.europa.eu/food/fs/sc/scf/out149_en.pdf)
- (9) Opinion of the Scientific Panel on Food Additives, Flavourings, Processing Aids and Materials in Contact with Food (AFC) on a request from the Commission related to the introduction of a Fat (consumption) Reduction Factor for infants and children, The EFSA Journal (2004) 103, 1-8.
- (10) OJ L 297, 23.10.1982, p. 26.
- (11) OJ L 213, 16.8.1980, p. 42.
- (12) OJ L 167, 24.6.1981, p. 6.
- (13) OJ L 165, 30.4.2004, p. 1.
- (14) OJ L 384, 29.12.2006, p. 75.
- (15) OJ L 401, 30.12.2006, p. 1.
- (16) OJ L 339, 6.12.2006, p. 16.
- (17) OJ L 353, 31.12.2008, p. 1.
- (18) OJ L 372, 31.12.1985, p. 14.

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