

China Market Updates: New Substances Safe for Food Contact Use Approved by National Health Commission

The National health commission of P.R. China announced some new food ingredients and new food related products that been evaluated and approved in the notification on 24 February. The approved new materials and additives can be used as food contact material and products when satisfying specific requirements or conditions. This update lists the food contact materials and their additives among them.

1. New substance safe for food contact use in materials and products.

Substance	Scope of usage	Requirement (s)	Remark
Silicon dioxide coatings made from the monomers hexamethyldisiloxane and hexamethyldisilazane CAS No.: -	Coating for polyethylene terephthalate (PET)	Specific migration limit / mg/kg: • 0.05 (hexamethyldisiloxane)	PET plastic material and products applied with this coating material shall use for fill and long term storage at room temperature (including hot-fill and pasteurization under $T \leq 70^\circ\text{C}$, $t \leq 2\text{ h}$ or $T \leq 100^\circ\text{C}$, $t \leq 15\text{ min}$). Shall not use for irradiation, shall not be in contact with infant's food and breast milk. Such restrictive conditions shall be labelled according to GB 4806.1.

2. New additives for food contact materials and products.

Substance	Scope of usage	Requirement (s)	Remark
2-Propenoic acid, polymer with 2, 5-furandione and 2-propenamide, sodium salt CAS No.: 1630821-33-8	Paper and paper board	Maximum amount of usage / %: • 0.041 (counted in dry weight) Specific migration limit / mg/kg: • ND (acrylamide, $DL=0.01$); • 6 (expressed as acrylic acid); • 30 (expressed as 2,5-furandione)	-
1, 3, 5-Triallyl-1, 3, 5-triazine-2, 4, 6 (1H, 3H, 5H)-trione CAS No.: 1025-15-6	Fluorine rubber	Maximum amount of usage / %: • 4	The fluorine rubber materials and products shall not be used above 100°C for more than 30min if been added with this substance. Such restrictive conditions shall be labelled according to GB 4806.1.
C16-18-Fatty acids, esters with pentaerythritol CAS No.: 85116-93-4	Plastic: Polybutylene terephthalate (PBT)	Maximum amount of usage / %: • 1	The PBT plastic materials and products shall use for fill at room temperature and long-term storage at room temperature (including hot-fill and pasteurization under $T \leq 70^\circ\text{C}$, $t \leq 2\text{ h}$ or $T \leq 100^\circ\text{C}$, $t \leq 15\text{ min}$). Such restrictive conditions shall be labelled according to GB 4806.1.
Vitamin E (dl- α -Tocopherol acetate) CAS No.: 7695-91-2	Plastic: Polyethylene (PE), Polypropylene (PP)	-	-
1-Decene, homopolymer, hydrogenated CAS No.: 68037-01-4	Paint and coating	Maximum amount of usage / %: • 1 (in paint formulation) Specific migration limit / mg/kg: • 0.05 (1-decene)	Paint and coating been added with this substance shall not in contact with infant's food and breast milk. Such restrictive conditions shall be labelled according to GB 4806.1.
Hexanedioic acid, polymer with 1, 2-propanediol CAS No.: 25101-03-5	Paint and coating	Maximum amount of usage / %: • 5 (in paint formulation)	Paint and coating been added with this substance shall not in contact with infant's food and breast milk. Such restrictive conditions shall be labelled according to GB 4806.1.

Source: <http://www.nhc.gov.cn/sps/s7892/202203/edcfce214e74438cb44ad94d64967b0c.shtml>

3. Expanded scope of usage of food contact materials and additives.

Substance	Scope of usage	Requirement (s)	Remark
Maltodextrin CAS No.: 9050-36-6	Adhesive	-	-
C.I. pigment blue 15 CAS No.: 147-14-8	Plastic: Polylactic acid (PLA)	Maximum amount of usage / %: • 0.7	This substance shall meet purity requirements of colourant according to annex A of GB 9685-2016. Such restrictive conditions shall be labelled according to GB 4806.1.
C.I. pigment red 254 CAS No.: 84632-65-5	Plastic: Polylactic acid (PLA)	Maximum amount of usage / %: • 1.4	This substance shall meet purity requirements of colourant according to annex A of GB 9685-2016. Such restrictive conditions shall be labelled according to GB 4806.1.
Carbon black CAS No.: 1333-86-4	Plastic: Polylactic acid (PLA)	Maximum amount of usage / %: • 1.5	This substance shall meet purity requirements of colourant according to annex A of GB 9685-2016. Such restrictive conditions shall be labelled according to GB 4806.1.
C.I. pigment yellow 180 CAS No.: 77804-81-0	Plastic: Polylactic acid (PLA)	Maximum amount of usage / %: • 0.5	This substance shall meet purity requirements of colourant according to annex A of GB 9685-2016. Such restrictive conditions shall be labelled according to GB 4806.1.
Hydroxyethyl cellulose CAS No.: 9004-62-0	Rubber	Maximum amount of usage / %: • 1	-
2-Propenoic acid, polymer with ethenylbenzene CAS No.: 25085-34-1	Rubber	Maximum amount of usage / %: • 30 Specific migration limit / mg/kg: • 6 (expressed as acrylic acid);	-
2-Propenoic acid, polymer with sodium hypo-phosphite, sodium salt CAS No.: 129898-01-7	Paper and paper board	Specific migration limit / mg/kg: • 6 (expressed as acrylic acid);	-
Rosin, ester with glycerol CAS No.: 8050-31-5	Paper and paper board	Maximum amount of usage / %: • 0.25	Paper and paper board material been added with this substance shall not in contact with infant's food and breast milk. Such restrictive conditions shall be labelled according to GB 4806.1.

4. New resins for food contact materials and products.

Substance	Scope of usage	Requirement (s)	Remark
Copolymer of acrylic acid, styrene, acrylic acid ethyl ester, acrylic acid 2-ethylhexylester, methacrylic acid methyl ester CAS No.: 25585-76-6	Adhesive (in-direct food contact only)	Specific migration limit / mg/kg: • 6 (expressed as acrylic acid); • 0.05 (acrylic acid 2-ethylhexylester); • 6 (expressed as methacrylic acid)	Adhesive made of this substance shall use for fill or long term storage at room temperature (including hot-fill and pasteurization under $T \leq 70^{\circ}\text{C}$, $t \leq 2\text{ h}$ or $T \leq 100^{\circ}\text{C}$, $t \leq 15\text{ min}$). Shall not use for irradiation. Such restrictive conditions shall be labelled according to GB 4806.1.
Polymer of cyclohexanedimethanol-1, 4, ethylene glycol, 2, 2-dimethyl-1, 3-propanediol, isophthalic acid, dimethyl terephthalate and trimellitic anhydride CAS No.: 74239-60-4	Paint and coating	Maximum amount of usage / %: • 30 (in paint formulation) Specific migration limit / mg/kg: • 6 (cyclohexanedimethanol-1,4); • 30 (ethylene glycol); • 5 (2, 2-dimethyl-1, 3-propanediol); • 5 (expressed as isophthalic acid); • 5 (expressed as trimellitic anhydride)	Paint and coating made of this substance shall not be used above 130°C , shall not in contact with infant's food and breast milk. Such restrictive conditions shall be labelled according to GB 4806.1.

How Does this Impact You? Contact Us to Discuss

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