

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



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VERITAS**

The National Health Commission (NHC) of P.R. China announced some new food additives, food contact materials and related products that been evaluated and approved in the notification in March 2023. This update lists eleven new food contact resins and additives, among these few of them are expansion of usage scope.

## 1. New additives for food contact materials and products.

Substance	Scope of usage	Requirement(s)	Remark
Cyclohexane, 1,1'-methylenebis[4-isocyanato-, homopolymer, cyclohexylamine-terminated CAS No.: 315207-86-4	Plastic: Poly(cyclohexanedimethylene naphthalate) (PCN)	Maximum amount of usage / %: • 0.35 Specific migration limit / mg/kg: • 1,1'-methylenebis[4-isocyanato, expressed as isocyanate moiety: ND, DL=0.01mg/kg • 4,4'-methylenedicyclohexanamine:0.05 Maximum amount of residue / %: • 1,1'-methylenebis[4-isocyanato, expressed as isocyanate moiety: 1	-
2-[2-(2,4-diamino-6-hydroxypyrimidin-5-yl)diazenyl]-5-methylbenzenesulfonic acid CAS No.: 1021701-36-9	Plastic	Maximum amount of usage / %: • 0.5 Specific migration limit / mg/kg: • 0.05	Maximum temperature of plastic materials and products been added with this substance shall not exceed 100°C, shall not produce materials and products especially used for infant's food. Such restrictive conditions shall be labelled according to GB 4806.1.
Copolymer of acrylamide, 2-methacryloxyethyltrimethyl ammonium chloride, itaconic acid, and <i>N,N</i> -methylenebis acrylamide CAS No.: 214495-32-6	Paper and paper board	Maximum amount of usage / %: • 1 (dry weight) Specific migration limit / mg/kg: • Acrylamide: ND, DL=0.01	Maximum temperature of paper and paper board materials and products been added with this substance shall not exceed 121°C, shall not be used for irradiation. Such restrictive conditions shall be labelled according to GB 4806.1.

## 2. Expanded scope of additives for food contact materials and products.

Substance	Scope of usage	Requirement(s)	Remark
Octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) Propionate CAS No.: 2082-79-3	Paint and coating	Maximum amount of usage / %: • 0.5 Specific migration limit / mg/kg: • 6	Amount of paint been added with this substance that been applied shall not exceed 10 g/m <sup>2</sup> . Such restrictive conditions shall be labelled according to GB 4806.1.
Napthalensulfonic acid, polymer with formaldehyde, sodium salt CAS No.: 9084-06-4; 36290-04-7	Plastic: Acrylonitrile butadiene styrene (ABS)	Maximum amount of usage / %: • 0.12 Specific migration limit / mg/kg: • Expressed as formaldehyde: 15	-
Fatty acid esters of C <sub>1</sub> ~C <sub>18</sub> mono- and poly-fatty alcohols CAS No.: -	Plastic	Maximum amount of usage / %: • 0.1	Plastic been added with this substance shall not produce materials and products especially used for infant's food. Such restrictive conditions shall be labelled according to GB 4806.1.
Silane, dichlorodimethyl-, reaction products with silica CAS No.: 68611-44-9	Adhesive (direct food contact) Printing ink (in-direct food contact)	Maximum amount of usage / %: • Adhesive:0.002 (dry weight) • Printing ink: 4 (dry weight)	Adhesive and printing ink been added with this substance shall not produce materials and products especially used for infant's food. Such restrictive conditions shall be labelled according to GB 4806.1.

3. New resins for food contact materials and products.

Substance	Scope of usage	Requirement(s)	Remark
Carbon monoxide-ethylene-propylene terpolymer CAS No.: 88995-51-1	Plastic	-	Paint and coating made of this substance shall not produce materials and products especially used for infant's food. Such restrictive conditions shall be labelled according to GB 4806.1.
4-Ethylphenol, m-cresol, p-cresol and 4-tert-butylphenol polymers with formaldehyde CAS No.: 68957-28-8	Paint and coating	Maximum amount of usage / %: • 62 (paint formulation) Specific migration limit / mg/kg: • p-tert-Butylphenol: 0.05 • Expressed as formaldehyde: 15	Paint and coating made of this substance shall not produce materials and products especially used for infant's food. Maximum temperature shall not exceed 130°C. Such restrictive conditions shall be labelled according to GB 4806.1.
Polymer of ethylene glycol, 2,2-dimethyl-1,3-propanediol, terephthalic acid, isophthalic acid, adipic acid and itaconic acid CAS No.: 1041633-99-1	Paint and coating Adhesive (direct food contact)	Maximum amount of usage / %: • 20(dry weight) Specific migration limit / mg/kg: • expressed as ethylene glycol: 30 • 2, 2-dimethyl-1, 3-propanediol: 0.05 • expressed as terephthalic acid: 7.5 • expressed as isophthalic acid: 5	The paint and coating, adhesive been added with this substance shall use for fill at room temperature and long-term storage at room temperature (including hot-fill and pasteurization under T≤70 °C, t≤2 h or T≤100 °C, t≤15 min). Such restrictive conditions shall be labelled according to GB 4806.1.

4. Expanded scope of resins for food contact materials and products.

Substance	Scope of usage	Requirement(s)	Remark
Isophthalic acid, polymer with 1,3-benzenedimethanamine and hexanedioic acid CAS No.: 28628-75-3	Plastic, polyamide (PA)	Specific migration limit / mg/kg: • expressed as isophthalic acid: 5 • m-Xylylenediamine: 0.05	Plastic film made from this material shall not exceed 50µm thickness. Maximum temperature shall not exceed 121°C. Such restrictive conditions shall be labelled according to GB 4806.1.

Source: <http://www.nhc.gov.cn/sps/s7892/202303/aa82bf72d6054f82adced82fc9aac4d9.shtml>

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