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Polybutene, hydrogenated; complying with the identity prescribed under § 178.3740(b) of this chapter.

Polyethylene.

Polyethylene, oxidized (air-blown).

Polymer derived from *N*-vinyl pyrrolidone and copolymers derived from the mixed alkyl (C₁₂-C₁₅, C₁₆, C₁₈, C₂₀, and C₂₂) methacrylate esters, butyl methacrylate (CAS Reg. No. 97-88-1), isobutyl methacrylate (CAS Reg. No. 97-86-9) and methyl methacrylate (CAS Reg. No. 80-62-6); the combined polymer contains no more than 5 weight percent of polymer units derived from *N*-vinyl pyrrolidone and is present at a level not to exceed 7 parts per million by weight of the finished dry paper and paperboard fibers.

Polyoxyethylene (4 mols) decyl phosphate.

Polyoxyethylene (4 mols) di(2-ethyl hexanoate).

Polyoxyethylene (15 mols) ester of rosin.

Polyoxyethylene (3-15 mols) tridecyl alcohol.

Polyoxypropylene, molecular weight 200-2,000.

Polyoxypropylene-polyoxethylene condensate, minimum molecular weight 950.

Polyoxypropylene-ethylene oxide condensate of ethylene diamine, molecular weight 1,700-3,800.

Polyvinyl pyrrolidone, molecular weight 40,000.

Potassium distearyl phosphate.

Potassium pentachlorophenate.

Potassium trichlorophenate.

Rosins and rosin derivatives identified in § 175.105(c)(5) of this chapter.

Silica.

Siloxanes and silicones, dimethyl, methylhydrogen, reaction products with polyethylene-polypropylene glycol monoallyl ether (CAS Reg. No. 71965-38-3).

Sodium alkyl (C₉-C₁₅) benzene-sulfonate.

Sodium dioctyl sulfosuccinate.

Sodium distearyl phosphate.

Sodium lauryl sulfate.

Sodium lignin sulfonate.

Sodium 2-mercaptobenzothiazole.

Sodium naphthalenesulfonic acid (3 mols) condensed with formaldehyde (2 mols).

Sodium orthophenylphenate.

Sodium pentachlorophenate.

Sodium petroleum sulfonate, molecular weight 440-450.

Sodium trichlorophenate.

Stearyl alcohol.

α -[*p*-(1,1,3,3-Tetramethylbutyl) phenyl-, *p*-nonylphenyl-, or *p*-dodecylphenyl]-*omega*-hydroxypoly(oxyethylene) produced by the condensation of 1 mole of *p*-alkylphenol (alkyl group is 1,1,3,3-tetramethylbutyl, a propylene trimer isomer, or a propylene tetramer isomer) with an average of 1.5-15 moles of ethylene oxide.

Tetrahydrofurfuryl alcohol.

Tributoxyethyl phosphate.

Tributyl phosphate.

Tridecyl alcohol.

Triethanolamine.

Triethylene glycol di(2-ethyl hexanoate).

Tri-(2-ethylhexyl) phosphate.

Tristearyl phosphate.

Wax, petroleum, Type I and Type II.

Wax, petroleum (oxidized).

Wax (montan).

[42 FR 14554, Mar. 15, 1977, as amended at 47 FR 17986, Apr. 27, 1982; 47 FR 46495, Oct. 19, 1982; 47 FR 56845, Dec. 21, 1982; 54 FR 24897, June 12, 1989; 57 FR 31313, July 15, 1992; 61 FR 14246, Apr. 1, 1996]

§ 176.230 3,5-Dimethyl-1,3,5,2*H*-tetrahydrothiadiazine-2-thione.

3,5-Dimethyl-1,3,5,2*H*-tetrahydrothiadiazine-2-thione may safely be used as a preservative in the manufacture and coating of paper and paperboard intended for use in contact with food in accordance with the following prescribed conditions:

(a) It is used as follows:

(1) In the manufacture of paper and paperboard as a preservative for substances added to the pulp suspension prior to the sheet-forming operation provided that the preservative is volatilized by heat in the drying and finishing of the paper and paperboard.

(2) As a preservative for coatings for paper and paperboard, *Provided*, That the preservative is volatilized by heat in the drying and finishing of the coated paper or paperboard.

(b) The quantity used shall not exceed the least amount reasonably required to accomplish the intended technical effect and shall not be intended to nor, in fact, accomplish any physical or technical effect in the food itself.

(c) The use of a preservative in any substance or article subject to any regulation in parts 174, 175, 176, 177, 178 and § 179.45 of this chapter must comply with any specifications and limitations prescribed by such regulation for the substance or article.

§ 176.250 Poly-1,4,7,10,13-pentaaza-15-hydroxyhexadecane.

Poly-1,4,7,10,13-pentaaza-15-hydroxyhexadecane may be safely used as a retention aid employed prior to the sheet-forming operation in the manufacture of paper and paperboard intended for use in contact with food in

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an amount not to exceed that necessary to accomplish the intended physical or technical effect and not to exceed 6 pounds per ton of finished paper or paperboard.

§ 176.260 Pulp from reclaimed fiber.

(a) Pulp from reclaimed fiber may be safely used as a component of articles used in producing, manufacturing, packing, processing, preparing, treating, packaging, transporting, or holding food, subject to the provisions of paragraph (b) of this section.

(b) Pulp from reclaimed fiber is prepared from the paper and paperboard products described in paragraphs (b) (1) and (2) of this section, by repulping with water to recover the fiber with the least possible amount of nonfibrous substances.

(1) Industrial waste from the manufacture of paper and paperboard products excluding that which bears or contains any poisonous or deleterious substance which is retained in the recovered pulp and that migrates to the food, except as provided in regulations promulgated under sections 406 and 409 of the Federal Food, Drug, and Cosmetic Act.

(2) Salvage from used paper and paperboard excluding that which (i) bears or contains any poisonous or deleterious substance which is retained in the recovered pulp and that migrates to the food, except as provided in regu-

lations promulgated under sections 406 and 409 of the act or (ii) has been used for shipping or handling any such substance.

§ 176.300 Slimicides.

(a) Slimicides may be safely used in the manufacture of paper and paperboard that contact food, in accordance with the following prescribed conditions:

(1) Slimicides are used as antimicrobial agents to control slime in the manufacture of paper and paperboard.

(2) Subject to any prescribed limitations, slimicides are prepared from one or more of the slime-control substances named in paragraph (c) of this section to which may be added optional adjuvant substances as provided for under paragraph (d) of this section.

(3) Slimicides are added to the process water used in the production of paper or paperboard, and the quantity added shall not exceed the amount necessary to accomplish the intended technical effect.

(b) To insure safe usage, the label or labeling of slimicides shall bear adequate directions for use.

(c) Slime-control substances permitted for use in the preparation of slimicides include substances subject to prior sanction or approval for such use and the following:

List of substances	Limitations
Acrolein.	
Alkenyl (C ₁₆ -C ₁₈) dimethylethyl-ammonium bromide.	
<i>n</i> -Alkyl (C ₁₂ -C ₁₈) dimethyl benzyl ammonium chloride.	
1,2-Benzisothiazolin-3-one	At a level of 0.06 pound per ton of dry weight fiber.
Bis(1,4-bromoacetoxy)-2-butene.	
5,5-Bis(bromoacetoxyethyl) <i>m</i> -dioxane.	
2,6-Bis(dimethylaminomethyl) cyclohexanone.	
1,2-Bis(monobromoacetoxy) ethane [CA Reg. No. 3785-34-0]	At a maximum level of 0.10 pound per ton of dry weight fiber.
Bis(trichloromethyl)sulfone.	
4-Bromoacetoxyethyl- <i>m</i> -dioxolane.	
2-Bromo-4'-hydroxyacetophenone.	
2-Bromo-2-nitropropane-1,3-diol (CAS Reg. No. 52-51-7)	At a maximum level of 0.6 pound per ton of dry weight fiber.
β-Bromo-β-nitrostyrene	At a maximum level of 1 pound per ton of dry weight fiber.
Chloroethylenebis thiocyanate.	
5-Chloro-2 - methyl - 4 - isothiazolin-3-one calcium chloride and 2-methyl-4-isothiazolin-3-one calcium chloride mixture at a ratio of 3 parts to 1 part.	At a level of 2.5 pounds per ton of dry weight fiber.
Chlorinated levulinic acids.	
Chloromethyl butanethiol-sulfonate.	
Cupric nitrate.	
<i>n</i> -Dialkyl (C ₁₂ -C ₁₈) benzylmethylammonium chloride.	
1,2-Dibromo-2,4-dicyanobutane (CAS Reg. No. 35691-65-7) ..	At a maximum level of 0.005% of dry weight fiber.
2,2-Dibromo-3-nitrilopropionamide	At a maximum level of 0.1 lb/ton of dry weight fiber.
2,3-Dibromopropionaldehyde.	
4,5-dichloro-1, 2-dithiol-3-one (CAS Reg. No. 1192-52-5)	For use only at levels not to exceed 10 milligrams per kilogram in the pulp slurry.