

List of substances	Limitations
<i>N,N</i> -Bis(2-hydroxyethyl) octadecylamine, Chemical Abstracts Service Registry No. 10213-78-2, <i>N</i> -(2-hydroxyethyl)- <i>N</i> -octadecylglycine (monosodium salt), Chemical Abstracts Service Registry No. 66810-88-6, and <i>N,N</i> -Bis(2-hydroxyethyl)- <i>N</i> -(carboxymethyl) octadecanaminum hydroxide (inner salt), Chemical Abstracts Service Registry No. 24170-14-7, as the major components of a mixture prepared by reacting ethylene oxide with octadecylamine and further reacting this product with sodium monochloroacetate and sodium hydroxide, such that the final product has: A nitrogen content of 3.3-3.8 percent; a melting point of 42°-50 °C; and a pH of 10.0-11.5 in a 1 percent by weight aqueous solution.	For use only as an antistatic agent at levels not to exceed 0.45 percent by weight in polypropylene films complying with § 177.1520 of this chapter, and used for packaging food of Types I, II, III, IV, V, VI-B, VII, VIII, and IX described in table 1 of § 176.170(c) of this chapter, and under conditions of use B through H described in table 2 of § 176.170(c). The average thickness of such polypropylene film shall not exceed 0.002 inch.
$\alpha$ - <i>n</i> -Dodecanol- <i>omega</i> -hydroxypoly (oxyethylene) produced by the condensation of 1 mole of <i>n</i> -dodecanol with an average of 9.5 moles of ethylene oxide to form a condensate having a hydroxyl content of 2.7 to 2.9 pct and having a cloud point of 80 °C to 92 °C in 1 pct by weight aqueous solution.	For use only as an antistatic agent at levels not to exceed 0.2 pct by weight in low-density polyethylene film having an average thickness not exceeding 0.005 inch.
Glycerol ester mixtures of ricinoleic acid, containing not more than 50 percent monoricinoleate, 45 pct diricinoleate, 10 pct triricinoleate, and 3.3 pct free glycerine.	As an antifogging agent at levels not exceeding 1.5 pct by weight of permitted plasticized vinyl chloride homo-and/or copolymers.
<i>N</i> -Methacryloyloxyethyl- <i>N,N</i> -dimethylammonium- $\alpha$ - <i>N</i> -methyl carboxylate chloride sodium salt, octadecyl methacrylate, ethyl methacrylate, cyclohexyl methacrylate, <i>N</i> -vinyl-2-pyrrolidone copolymer (CAS Reg. No. 66822-60-4)..	For use only as an antistatic agent at levels not to exceed 0.2 percent by weight of polyolefin films that contact foods under the conditions of use B through H described in table 2 of § 176.170(c) of this chapter. The average thickness of such polyolefin film shall not exceed 0.02 centimeter (0.008 inch).
Octadecanoic acid 2-[2-hydroxyethyl) octadecylamino]ethyl ester (CAS Reg. No. 52497-24-2), (octadecylimino) diethylene distearate (CAS Reg. No. 94945-28-5), and octadecyl bis(hydroxyethyl)amine (CAS Reg. No. 10213-78-2), as the major components of a mixture prepared by reacting ethylene oxide with octadecylamine and further reacting this product with octadecanoic acid, such that the final product has: a maximum acid value of 5 mg KOH/g and total amine value of 86±6 mg KOH/g as determined by a method entitled "Total Amine Value," which is incorporated by reference. Copies of the method are available from the Center for Food Safety and Applied Nutrition (HFS-200), Food and Drug Administration, 200 C St. SW., Washington, DC 20204, or available for inspection at the Office of the Federal Register, 800 North Capitol Street, NW., suite 700, Washington, DC 20408..	For use only as an antistatic agent at levels such that the product of film thickness in microns times the weight percent additive does not exceed 16, in polypropylene films complying with § 177.1520(c)1.1 of this chapter, and used for packaging food (except for food containing more than 8 percent alcohol) under conditions of use B through H described in table 2 of § 176.170(c) of this chapter.

[42 FR 14609, Mar. 15, 1977, as amended at 45 FR 56797, Aug. 26, 1980; 45 FR 85727, Dec. 30, 1980; 46 FR 13688, Feb. 24, 1981; 47 FR 26824, June 22, 1982; 51 FR 28932, Aug. 13, 1986; 56 FR 41457, Aug. 21, 1991; 58 FR 57556, Oct. 26, 1993; 60 FR 54430, Oct. 24, 1995; 60 FR 18351, Apr. 11, 1995; 62 FR 31511, June 10, 1997]

**§ 178.3280 Castor oil, hydrogenated.**

Hydrogenated castor oil may be safely used in the manufacture of articles or components of articles intended for use in contact with food subject to the provisions of this section.

(a) The quantity used shall not exceed the amount reasonably required to accomplish the intended technical effect.

(b) The additive is used as follows:

Use	Limitations
1. As a lubricant for vinyl chloride polymers used in the manufacture of articles or components of articles authorized for food-contact use.	For use only at levels not to exceed 4 pct by weight of vinyl chloride polymers.
2. As a component of cellophane .....	Complying with § 177.1200 of this chapter.
3. As a component of resinous and polymeric coatings .....	Complying with § 175.300 of this chapter.
4. As a component of paper and paperboard in contact with aqueous and fatty food.	Complying with § 176.170 of this chapter.
5. As a component of closures with sealing gaskets for food containers.	Complying with § 177.1210 of this chapter.
6. As a component of cross-linked polyester resins .....	Complying with § 177.2420 of this chapter.
7. As a component of olefin polymers complying with § 177.1520 of this chapter.	For use only at levels not to exceed 2 percent by weight of the polymer.

[42 FR 14609, Mar. 15, 1977, as amended at 55 FR 8914, Mar. 9, 1990]