Food and Drug Administration, HHS § 178.3780

(4) Ultraviolet absorbance limits specified in paragraph (a)(4) of this section, as determined by the analytical method described therein.

(c) The polyhydric alcohol esters of oxidatively refined (Gersthofen process) montan wax acids, identified in paragraph (a) or (b) of this section, may also be used as a component of an aqueous dispersion of vinylidene chloride copolymers, subject to the conditions described in paragraphs (c)(1) and (2) of this section.

(1) The aqueous dispersion of the additive contains not more that 18 percent polyhydric alcohol esters of oxidatively refined (Gersthofen process) montan wax acids, not more than 2 percent poly(oxyethylene) (minimum 20 moles of ethylene oxide) oleyl ether (CAS Reg. No. 9004–98–2), and not more than 1 percent poly(oxyethylene) (minimum 3 moles ethylene oxide) cetyl alcohols (CAS Reg. No. 9004–95–9).

(2) The aqueous dispersion described in paragraph (c)(1) of this section is used as an additive to aqueous dispersions of vinylidene chloride copolymers, regulated in §§ 175.300, 175.320, 175.360, 176.170, 176.180, and 177.1630 of this chapter, at levels not to exceed 1.5 percent (solids basis) in the finished coating.

(d) The polyhydric alcohol esters identified in this paragraph may be used as lubricants in the fabrication of polyvinyl chloride and/or polyvinyl chloride copolymer articles complying with § 177.1980 of this chapter that contact food of Types I, II, IV-B, VI-B, VII-B, and VIII identified in table 1 in § 176.170(c) of this chapter under conditions of use E, F, and G described in table 2 in § 176.170(c) of this chapter, subject to the provisions of this section.

(a) Identity. For the purpose of this section, polyhydric alcohol esters of long chain monobasic acids consist of polyhydric alcohol esters having number average molecular weights in the range of 1,050 to 1,700. The esters are produced by the reaction of either ethylene glycol or glycerol with long chain monobasic acids containing from 9 to 49 carbon atoms obtained by ozonization of long chain alpha-olefins, the unreacted carboxylic acids in the formation of the glycerol esters being...
neutralized with calcium hydroxide to produce a composition having up to 2 percent by weight calcium. The \textit{alpha}-olefins, obtained from the polymerization of ethylene, have 20 to 50 carbon atoms and contain a minimum of 75 percent by weight straight chain \textit{alpha}-olefins and not more than 25 percent vinylidene compounds.

(b) \textit{Specifications}. The polyhydric alcohol esters have the following specifications:


(2) Acid value 15–25 for each ester as determined by the A.O.C.S. method Trla-64T "Titer Test," which is incorporated by reference. Copies are available from American Association of Oil Chemists, 36 East Wacker Drive, Chicago, IL 60601, or available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(3) Saponification value 120–160 for the ethylene glycol ester and 90–130 for the glycerol ester as determined the A.O.C.S. method Trla-64T "Saponification Value," which is incorporated by reference. Copies are available from American Association of Oil Chemists, 36 East Wacker Drive, Chicago, IL 60601, or available for inspection at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202–741–6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(4) Ultraviolet absorbance as specified in §178.3770(a)(4) of this chapter when tested by the analytical method described therein.