Food and Drug Administration, HHS

§ 172.710

Adjuvants for pesticide use dilutions.

(a) The following surfactants and related adjuvants may be safely added to pesticide use dilutions by a grower or applicant prior to application to the growing crop:

(1) 8-Alkyl (C$_8$-C$_{18}$) amine acetate, where the alkyl groups (C$_8$-C$_{18}$) are derived from coconut oil, as a surfactant in emulsifier blends that are added to herbicides for application to corn or sorghum.

(2) Di-$n$-alkyl (C$_7$-C$_{14}$) dimethyl ammonium chloride, where the alkyl groups (C$_7$-C$_{14}$) are derived from coconut oil, as surfactants in emulsifier blends that are added to herbicides for application to corn or sorghum.

(3) Diethanolamide condensate based on a mixture of saturated and unsaturated soybean oil fatty acids (C$_{16}$-C$_{18}$) as a surfactant in emulsifier blends that are added to the herbicide atrazine for application to corn.

Diethanolamide condensate based on stripped coconut fatty acids (C$_{16}$-C$_{18}$) as a surfactant in emulsifier blends that are derived from coconut oil and used in emulsifier blends that are added to herbicides for application to corn or sorghum.
added to the herbicide atrazine for application to corn.

α-(p-Dodecylphenyl)-omega-hydroxypoly(oxyethylene) produced by the condensation of 1 mole of dodecylphenol (dodecyl group is a propylene tetramer isomer) with an average of 4-14 or 30-70 moles of ethylene oxide; if a blend of products is used, the average number of moles of ethylene oxide reacted to produce any product that is a component of the blend shall be in the range of 4-14 or 30-70.

Ethylene dichloride.

Polyglyceryl phthalate ester of coconut oil fatty acids.

α-[p-(1,1,3,3-Tetramethylbutyl) phenyl]-omega-hydroxypoly(oxyethylene) produced by the condensation of 1 mole of p-(1,1,3,3-tetramethylbutyl) phenol with an average of 4-14 or 30-70 moles of ethylene oxide; if a blend of products is used, the average number of moles of ethylene oxide reacted to produce any product that is a component of the blend shall be in the range of 4-14 or 30-70.

Sodium acrylate and acrylamide copolymer with a minimum average molecular weight of 10,000,000 in which 30 percent of the polymer is comprised of acrylate units and 70 percent acrylamide units, for use as a drift control agent in herbicide formulations applied to crops at a level not to exceed 0.5 ounces of the additive per acre.

§ 172.712 1,3-Butylene glycol.

The food additive 1,3-butylene glycol (CAS Reg. No. 107–88–0) may be safely used in food in accordance with the following prescribed conditions:

(a) It is prepared by the aldol condensation of acetaldehyde followed by catalytic hydrogenation.

(b) The food additive shall conform to the identity and specifications listed in the monograph entitled “1,3-Butylene Glycol” in the Food Chemicals Codex, 4th ed. (1996), p. 52, which is incorporated by reference in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. Copies are available from the Office of Premarket Approval, Center for Food Safety and Applied Nutrition, 5100 Paint Branch Pkwy., College Park, MD 20740, or may be examined at the Center for Food Safety and Applied Nutrition’s Library, Food and Drug Administration, 5100 Paint Branch Pkwy., College Park, MD 20740, or 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.

(c) It is used in the manufacture of sausage casings as a formulation aid as defined in §170.3(o)(14) of this chapter and as a processing aid as defined in §170.3(o)(24) of this chapter.


§ 172.715 Calcium lignosulfonate.

Calcium lignosulfonate may be safely used in or on food, subject to the provisions of this section.

(a) Calcium lignosulfonate consists of sulfonated lignin, primarily as calcium and sodium salts.

(b) It is used in an amount not to exceed that reasonably required to accomplish the intended physical or technical effect when added as a dispersing agent and stabilizer in pesticides for preharvest or postharvest application to bananas.

§ 172.720 Calcium lactobionate.

The food additive calcium lactobionate may be safely used in food in accordance with the following prescribed conditions:

(a) The food additive is the calcium salt of lactobionic acid (4-(β, D-galactosido)-D-gluconic acid) produced by the oxidation of lactose.

(b) It is used or intended for use as a firming agent in dry pudding mixes at a level not greater than that required to accomplish the intended effect.

§ 172.723 Epoxidized soybean oil.

Epoxidized soybean oil may be safely used in accordance with the following prescribed conditions:

(a) The additive is prepared by reacting soybean oil in toluene with hydrogen peroxide and formic acid.

(b) It meets the following specifications:

(1) Epoxidized soybean oil contains oxirane oxygen, between 7.0 and 8.0 percent, as determined by the American Oil Chemists’ Society (A.O.C.S.) method Cd 9–57, “Oxirane Oxygen,” reapproved 1989, which is incorporated by reference in accordance with 5 U.S.C.