

§ 180.905

40 CFR Ch. I (7-1-06 Edition)

§ 180.905 Pesticide chemicals; exemptions from the requirement of a tolerance.

(a) When applied to growing crops, in accordance with good agricultural practice, the following pesticide chemicals are exempt from the requirement of a tolerance:

- (1) [Reserved]
- (2) *N*-Octylbicyclo(2,2,1)-5-heptene-2,3-dicarboximide.
- (3) Petroleum oils.
- (4) Piperonyl butoxide.
- (5) [Reserved]
- (6) Pyrethrins and pyrethrins.
- (7) Rotenone or derris or cube roots.
- (8) Sabadilla.

(b) These pesticides are not exempted from the requirement of a tolerance when applied to a crop at the time of or after harvest.

[69 FR 23117, Apr. 28, 2004]

§ 180.910 Inert ingredients used pre- and post-harvest; exemptions from the requirement of a tolerance.

Residues of the following materials are exempted from the requirement of a tolerance when used in accordance with good agricultural practice as inert (or occasionally active) ingredients in pesticide formulations applied to growing crops or to raw agricultural commodities after harvest:

Inert ingredients	Limits	Uses
Acetic acid	Catalyst
Acetic anhydride	Solvent, cosolvent
Acetone	Do.
Alkanolic and alkenolic acids, mono- and diesters of α -hydro- ω -hydroxypoly (oxyethylene) with molecular weight (in amu) range of 200 to 6,000.	Emulsifiers
Alkyl (C ₈ -C ₂₄) benzenesulfonic acid and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts.	Surfactants, related adjuvants of surfactants
α -Alkyl (C ₉ -C ₁₈ - ω -hydroxypoly(oxyethylene) with poly(oxyethylene) content of 2-30 moles.	Solvent, cosolvent, surfactant, and related adjuvants of surfactants
α -(<i>p</i> -Alkylphenyl)- ω -hydroxypoly(oxyethylene) produced by the condensation of 1 mole of alkylphenol (alkyl is a mixture of propylene tetramer and pentamer isomers and averages C ₁₃) with 6 moles of ethylene oxide.	Surfactants, related adjuvants of surfactants
α -Alkyl (C ₆ -C ₁₄)- ω -hydroxypoly(oxypropylene) block copolymer with polyoxyethylene; polyoxypropylene content is 1-3 moles; polyoxyethylene content is 4-12 moles; average molecular weight (in amu) is approximately 635.	Do.
α -alkyl (C ₁₂ -C ₁₃)- ω -hydroxypoly (oxypropylene) poly (oxyethylene) copolymers (where the poly (oxypropylene) content is 3-60 moles and the poly (oxyethylene) content is 5-80 moles).	Not more than 20% of pesticide formulations	Surfactant
Alkyl (C ₈ -C ₁₈) sulfate and its ammonium, calcium, isopropylamine, magnesium, potassium, sodium, and zinc salts.	Surfactants.
Aluminum hydroxide	Diluent, carrier
Aluminum oxide	Diluent
Aluminum stearate	Surfactant
Ammonium bicarbonate	Surfactant, suspending agent, dispersing agent
Ammonium carbamate	Synergist in aluminum phosphide formulations
Ammonium chloride	Intensifier when used with ammonium nitrate as a desiccant or defoliant. Fire suppressant in aluminum phosphide and magnesium phosphide formulations
Ammonium hydroxide	Solvent, cosolvent, neutralizer, solubilizing agent
Ammonium stearate	Surfactant
Ammonium sulfate	Solid diluent, carrier
Ammonium thiosulfate	Intensifier when used with ammonium nitrate as desiccant or defoliant
Amyl acetate	Solvent, cosolvent, attractant
Ascorbyl palmitate	Preservative
Attapulgate-type clay	Solid diluent, carrier, thickener
<i>Bacillus thuringiensis</i> fermentation solids and/or solubles.	Diluent, carrier

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Inert ingredients	Limits	Uses
Bentonite	Solid diluent, carrier
Benzoic acid	Preservative for formulation
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-, homopolymer (Alpha-pinene, homopolymer) (CAS Reg. No. 25766-18-1).	.....	Surfactants, related adjuvants of surfactants
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-, homopolymer (Beta-pinene, homopolymer) (CAS Reg. No. 25719-60-2).	.....	Surfactants, related adjuvants of surfactants
Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-, polymer with 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane (Copolymer of alpha- and beta-pinene) (CAS Reg. No. 31393-98-3).	.....	Surfactants, related adjuvants of surfactants
2-Bromo-2-nitro-1,3-propanediol (CAS Reg. No. 52-51-7).	0.04% or less by weight of the total pesticide formulation.	In-can preservative
Butane .....	.....	Propellant
<i>n</i> -Butanol (CAS Reg. No. 71-36-3) .....	.....	Solvent, cosolvent
Butylated hydroxyanisole .....	.....	Antioxidant
Butylated hydroxytoluene .....	.....	Do.
α -(<i>p</i> - <i>tert</i> -Butylphenyl)- ω -hydroxypoly (oxyethylene) mixture of dihydrogen phosphate and monohydrogen phosphate esters and the corresponding ammonium calcium, magnesium, monoethanolamine, potassium, sodium, and zinc salts of the phosphate esters; the poly(oxyethylene) content averages 4-12 moles.	.....	Surfactants related adjuvants of surfactants
Calcareous shale .....	.....	Solid diluent carrier
Calcite .....	.....	Do.
Calcium carbonate .....	.....	Do.
Calcium chloride .....	.....	Stabilizer
Calcium phosphate .....	.....	Solid diluent, carrier
Calcium hydroxide .....	.....	Do.
Calcium hypochlorite .....	.....	Sanitizing and bleaching agent
Calcium oxide .....	.....	Solid diluent, carrier
Calcium salt of partially dimerized rosin, conforming to 21 CFR 172.210.	.....	Coating agent
Calcium silicate .....	.....	Solid diluent, carrier
Calcium stearate .....	.....	Do.
Carrageenan, conforming to 21 CFR 172.620	Minimum molecular weight (in amu): 100,000.	Thickener
Cetyl alcohol (CAS Reg. No. 36653-82-4)	Not more than 5.0% of pesticide formulation.	Evaporation retardant
Charcoal, activated	Meets specifications in the Food Chemical Codex.	Carrier
Coconut shells .....	.....	Solid diluent and carrier
Cod liver oil .....	.....	Solvent, cosolvent
Croscarmellose sodium (CAS Reg. No. 74811-65-7).	.....	Disintegrant, solid diluent, carrier, and thickener
Dialkyl (C ₈ -C ₁₈) dimethyl ammonium chloride	Not more than 0.2% in silica, hydrated silica.	Flocculating agent in the manufacture of silica, hydrated silica for use as a solid diluent, carrier
Diatomite (diatomaceous earth) .....	.....	Solid diluent carrier
Diethylene glycol abietate .....	.....	Surfactants, related adjuvants of surfactants
1,1-Difluoroethane (CAS Reg. No. 75-37-6)	For aerosol pesticide formulations used for insect control in food- and feed-handling establishments and animals.	Aerosol propellant
1,2-Dihydro-6-ethoxy-2,2,4-trimethylquinolene	Not more than 0.02% of pesticide formulation.	Antioxidant
Dimethyl ether (methane, oxybis-) (CAS Reg. No. 115-10-6).	.....	Propellant
3,6-Dimethyl-4-octyn-3,6-diol	Not more than 2.5% of pesticide formulation.	Surfactants, related adjuvants of surfactants
α -(<i>o,p</i> -Dinonylphenyl)- ω -hydroxypoly (oxyethylene) mixture of dihydrogen phosphate and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, monoethanolamine, potassium, sodium, and zinc salts of the phosphate esters; the nonyl group is a propylene trimer isomer and the poly(oxyethylene) content averages 4-14 moles.	.....	Surfactants, related adjuvants of surfactants

Inert ingredients	Limits	Uses
α -(<i>o,p</i> -Dinonylphenyl)- ω -hydroxypoly (oxyethylene) produced by condensation of 1 mole of dinonylphenol (nonyl group is a propylene trimer isomer) with an average of 4-14 or 140-160 moles of ethylene oxide.	.....	Do.
Dipropylene glycol .....	.....	Solvent, cosolvent
Disodium phosphate .....	.....	Anticaking agent, conditioning agent
Disodium zinc ethylenediaminetetraacetate dihydride.	.....	Sequestrant
Dodecylbenzenesulfonic acid, amine salts .....	.....	Release rate regulator in pheromone formulation
α -(<i>p</i> -Dodecylphenyl)- ω -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.	.....	Surfactants, related, adjuvants of surfactants
Dolomite .....	.....	Solid diluent, carrier
Epoxidized linseed oil .....	.....	Surfactants, related adjuvants of surfactants
Epoxidized soybean oil .....	.....	Do.
Ethyl acetate .....	.....	Solvent, cosolvent
Ethyl alcohol .....	.....	Do.
Ethyl esters of fatty acids derived from edible fats and oils.	.....	Solvent, cosolvent
Ethyl maltol (CAS Reg. No.4940-11-8)	Not more than 0.2 % of the pesticide formulation.	Odor masking agent
Ethylene oxide adducts of 2,4,7,9-tetramethyl-5-decynediol, the ethylene oxide content averages 3.5, 10, or 30 moles.	.....	Surfactants, related adjuvants of surfactants
Ethylenediaminetetraacetic acid	3% of pesticide formulation	Sequestrant
Ethylenediaminetetraacetic acid, tetrasodium salt.	5% of pesticide formulation	Sequestrant
2-Ethyl-1-hexanol	Not more than 2.5% of pesticide formulation.	Solvent, adjuvant of surfactants
Fatty acids, conforming to 21 CFR 172.860 .....	.....	Binder, defoaming agent, lubricant
FD&C Blue No. 1	Not more than 0.2% of pesticide formulation.	Dye
FD&C Red No. 40 (CAS Reg. No. 25956-17-6) conforming to 21 CFR 74.340.	Not to exceed 0.002% by weight of pesticide formulation.	Dye, coloring agent
Ferric sulfate .....	.....	Solid diluent, carrier
Furcelleran .....	.....	Thickener
D-glucopyranose, oligomeric, C ₁₀₋₁₆ -alkyl glycosides (CAS Reg. No. 110615-47-9).	.....	Surfactant
Glycerides, edible fats and oils derived from plants and animals, reaction products with sucrose (CAS Reg. Nos. 100403-38-1, 100403-41-6, 100403-39-2, 100403-40-5).	.....	Emulsifier, dispersing agent
Glycerol mono-, di-, and triacetate .....	.....	Solvent, cosolvent
Glyceryl monostearate .....	.....	Emulsifier
Granite .....	.....	Do.
Graphite .....	.....	Solid diluent, carrier
Gum arabic (acacia) .....	.....	Surfactant, suspending agent, dispersing agent
Gypsum .....	.....	Solid diluent, carrier
Hexamethylenetetramine	For use in citrus washing solutions only at not more than 1%.	Preservative
3-hexen-1-ol, (3Z)- (CAS Reg. No. 928-96-1)	Not more than 0.4% of the pesticide formulation.	Odorant, alerting agent
<i>n</i> -Hexyl alcohol (CAS Reg. No. 111-27-3) .....	.....	Solvent, cosolvent
Hydrochloric acid .....	.....	Solvent, neutralizer
Hydroxyethylidene diphosphonic acid (HEDP) (CAS Reg. No. 2809-21-4).	For use in antimicrobial pesticide formulations at not more than 1 percent.	Stabilizer, chelator
Iron oxide .....	.....	Solid diluent, carrier
Isopropyl myristate (CAS Reg. No. 110-27-0) .....	.....	Solvent
Kaolinite-type clay .....	.....	Solid diluent, carrier
Lactic acid	Solvent
Lactic acid, 2-ethylhexyl ester (CAS Reg. No. 6283-86-9).	Solvent

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Inert ingredients	Limits	Uses
Lactic acid, 2-ethylhexyl ester, (2S)- (CAS Reg. No. 186817-80-1).	Solvent
Lactic acid, n-propyl ester, (S); (CAS Reg. No. 53651-69-7).	Solvent
Lauryl alcohol	Surfactant
α -Lauryl- ω -hydroxypoly(oxyethylene), average molecular weight (in amu) of 600.	Emulsifier
α -Lauryl- ω -hydroxypoly(oxyethylene) sulfate, sodium salt; the poly(oxyethylene) content is 3-4 moles.	Surfactants, related adjuvants of surfactants
Lignin (CAS Reg. No. 9005-53-2)	Surfactant, related adjuvants of surfactants
Lignin, alkali (CAS Reg. No. 8068-05-1)	Do.
Lignin, alkali, oxidized, sodium salt (CAS Reg. No. 68201-23-0).	Do.
Lignin alkali reaction products with disodium sulfite and formaldehyde (CAS Reg. No. 105859-97-0).	Do.
Lignin alkali reaction products with formaldehyde and sodium bisulfite (CAS Reg. No. 68512-35-6).	Do.
Lignosulfonic acid (CAS Reg. No. 8062-15-5)	Do.
Lignosulfonic acid, ammonium calcium salt (CAS Reg. No. 12710-04-2).	Do.
Lignosulfonic acid, ammonium magnesium salt (CAS Reg. No. 123175-37-1).	Do.
Lignosulfonic acid, ammonium salt (CAS Reg. No. 8061-53-8).	Do.
Lignosulfonic acid, ammonium sodium salt (CAS Reg. No. 166798-73-8).	Do.
Lignosulfonic acid, calcium magnesium salt (CAS Reg. No. 55598-86-2).	Do.
Lignosulfonic acid, calcium salt (CAS Reg. No. 8061-52-7).	Do.
Lignosulfonic acid, calcium sodium salt (CAS Reg. No. 37325-33-0).	Do.
Lignosulfonic acid, ethoxylated, sodium salt (CAS Reg. No. 68611-14-3).	Do.
Lignosulfonic acid, magnesium salt (CAS Reg. No. 8061-54-9).	Do.
Lignosulfonic acid, potassium salt (CAS Reg. No. 37314-65-1).	Do.
Lignosulfonic acid, sodium salt (CAS Reg. No. 8061-51-6).	Do.
Lignosulfonic acid, sodium salt, oxidized (CAS Reg. No. 68855-41-4).	Do.
Lignosulfonic acid, sodium salt, polymer with formaldehyde and phenol (CAS Reg. No. 37207-89-9).	Do.
Lignosulfonic acid, sodium salt, sulfomethylated (CAS Reg. No. 68512-34-5).	Do.
Lignosulfonic acid, zinc salt (CAS Reg. No. 57866-49-6).	Do.
d-Limonene (CAS Reg. No. 5989-27-5)	Solvent, fragrance
Magnesium carbonate	Anticaking agent, conditioning agent
Magnesium chloride	Safener
Magnesium lime	Solid diluent, carrier
Magnesium oxide	Do.
Magnesium silicate	Do.
Magnesium stearate	Surfactant
Magnesium sulfate	Solid diluent, carrier, safener
Manganous oxide	Solid diluent, carrier
Methyl alcohol	Solvent
Methyl <i>n</i> -amyl ketone (CAS Reg. No. 110-43-0)	Solvent, cosolvent
Methylated silicones	Antifoaming agent
Methyl esters of fatty acids derived from edible fats and oils.	Solvent, cosolvent
Methyl esters of higher fatty acids conforming to 21 CFR 573.640.	Antidusting agent, surfactant
Methyl isobutyl ketone	Solvent
Mica	Solid diluent, carrier
Mineral oil, U.S.P., or conforming to 21 CFR 172.878 or 178.3620(a) (CAS Reg. No. 8012-95-1).	Diluent, carrier, and solvent

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Inert ingredients	Limits	Uses
Monoammonium phosphate	No more than 3.75% by weight in formulation.	Postharvest fumigation in formulation with aluminum phosphide
Mono- and diglycerides of C ₈ -C ₁₈ fatty acids	Surfactants, related adjuvants of surfactants
Montmorillonite-type clay	Solid diluent, carrier
Nonyl, decyl, and undecyl glycoside mixture with a mixture of nonyl, decyl, and undecyl oligosaccharides and related reaction products (primarily decanol and undecanol) produced as an aqueous-based liquid (50 to 65% solids) from the reaction of primary alcohols (containing 15 to 20% secondary alcohol isomers) in a ratio of 20% C ₉ , 40% C ₁₀ , and 40% C ₁₁ with carbohydrates (average glucose to alkyl chain ratio 1.3 to 1.8).	Surfactant.
α-(<i>p</i> -Nonylphenyl)-ω-hydroxypoly(oxyethylene) mixture of dihydrogen phosphate and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, monoethanolamine, potassium, sodium, and zinc salts of the phosphate esters; the nonyl group is a propylene trimer isomer and the poly(oxyethylene) content averages 4-14 moles or 30 moles.	Surfactants, related adjuvants of surfactants
α-(<i>p</i> -Nonylphenyl)-ω-hydroxypoly(oxyethylene) produced by the condensation of 1 mole of nonylphenol (nonyl group is a propylene trimer isomer) with an average of 4-14 or 30-90 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 30-90.	Do.
α-(<i>p</i> -Nonylphenyl)-ω-hydroxypoly(oxyethylene) sulfate, ammonium, calcium, magnesium, potassium, sodium, and zinc salts; the nonyl group is a propylene trimer isomer and the poly(oxyethylene) content averages 4 moles.	Do.
1-Octanal (CAS Reg. No. 124-13-0)	Not more than 0.2% of the pesticide formulation	Odor masking agent
Octyl and decyl glucosides mixture with a mixture of octyl and decyl oligosaccharides and related reaction products (primarily <i>n</i> -decanol) produced as an aqueous-based liquid (68-72% solids) from the reaction of straight chain alcohols (C ₈ (45%), C ₁₀ (55%)) with anhydrous glucose.	Surfactants, related adjuvants of surfactants
Oleic acid	Diluent
Oleic acid diester of α-hydro-ω-hydroxypoly(oxyethylene); the poly(oxyethylene) having average molecular weight (in amu) 400.	Surfactants, related adjuvants of surfactants
α-Oleoyl-ω-hydroxypoly(oxyethylene), average molecular weight (in amu) of 600.	Emulsifier
Oleyl alcohol (CAS Reg. No. 143-28-2)	15%	Cosolvent
Oxalic acid	No more oxalic acid should be used than is necessary to chelate calcium and in no case should more than 2 lb oxalic acid per acre be used.	Calcium chelating hard water inhibitor
Palmitic acid	Diluent
Pentaerythritol ester of maleic anhydride modified wood rosin.	Plasticizer
Petrolatum, conforming to 21 CFR 172.880	Coating agent
Petroleum hydrocarbons, light odorless conforming to 21 CFR 172.884.	Solvent, diluent.
Petroleum hydrocarbons, synthetic isoparaffinic, conforming to 21 CFR 172.882.	Do.
Petroleum naphtha, conforming to 21 CFR 172.250(d).	Component of coating agent
Petroleum wax, conforming to 21 CFR 172.886(d).	Coating agent
Phosphoric acid	Buffer
Polyethylene, conforming to 21 CFR 177.1520(c).	Binder, carrier, and coating agent

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Inert ingredients	Limits	Uses
Polyethylene glycol[α -hydro- ω -hydroxypoly(oxyethylene)]; mean molecular weight (in amu) 194 to 9,500 conforms to 21 CFR 178.3750.	Surfactants, related adjuvants of surfactants
Polyglycerol esters of fatty acids conforming to 21 CFR 172.854.	Surfactants, related adjuvants of surfactants
Polyglyceryl phthalate ester of coconut oil fatty acids.	Do.
Poly(methylene- <i>p</i> -tert-butylphenoxy)-poly(oxyethylene) ethanol; the poly(oxyethylene) content averages 4-12 moles.	Coating agent
Poly(methylene- <i>p</i> -nonylphenoxy)poly(oxyethylene) ethanol; the poly(oxyethylene) content averages 4-12 moles.	Coating agent
Poly(oxy-1,2-ethanediyl), α -(carboxymethyl)- ω -(nonylphenoxy) produced by the condensation of 1 mole of nonylphenol (nonyl group is a propylene trimer isomer) with an average of 4-14 or 30-90 moles of ethylene oxide. The molecular weight (in amu) ranges are 454-894 and 1598-4238.	Surfactant
Polyoxyethylene (20) sorbitan monostearate [Poly[oxy(methyl-1,2-ethanediyl)], α -[2-bis(2-hydroxyethyl)amino]propyl]- ω -hydroxy,-ether with α -hydro- ω -hydroxypoly(oxy-1,2-ethanediyl) (1:2), mono-C ₁₂₋₁₆ alkyl ethers, (CAS Reg. No. 176022-82-5).	Not to exceed 15% in the formulated product; only for use with glyphosate.	Surfactants, related adjuvants of surfactants Surfactant
Polysorbate 65, conforming to 21 CFR 172.838	Emulsifier
Potassium aluminum silicate	Solid diluent, carrier
Potassium hydroxide	Neutralizer
Potassium phosphate	Buffer
Potassium sulfate	Solid diluent
Propane	Propellant
n-Propanol	Solvent, cosolvent
2-Propenoic acid, 2-methyl-, polymer with ethyl 2-propenoate and methyl 2-methyl-2-propenoate, ammonium salt (CAS Registration No. 55989-05-4), minimum number average molecular weight (in amu), 18,900.	Encapsulating agent, dispensers, resins, fibers and beads
Propylene glycol	Solvent, cosolvent.
Propylene glycol alginate (as defined in 21 CFR 172.858).	Defoaming agent
Propyl gallate	Antioxidant
Propyl <i>p</i> -hydroxybenzoate	Preservative for formulations
Pyrophyllite	Solid diluent, carrier
<i>Rhizobium</i> inoculants (e.g. <i>Sinorhizobium</i> , <i>Bradyrhizobium</i> & <i>Rhizobium</i>).	All leguminous food commodities
Rosin, partially dimerized (as defined in 21 CFR 172.615).	Surfactants, related adjuvants of surfactants
Rosin, partially hydrogenated (as defined in 21 CFR 172.615).	Do.
Rosin, wood	Do.
Salts of fatty acids, conforming to 21 CFR 172.863.	Binder, emulsifier, anticaking agent
Sand	Solid diluent, carrier
Secondary alkyl (C ₁₁ -C ₁₅) poly(oxyethylene) acetate, sodium salt; the ethylene oxide content averages 5 moles.	Surfactant
Shellac, bleached; refined, food grade, arsenic and rosin-free.	Coating agent
Soapstone	Solid diluent
Sodium acid pyrophosphate	Surfactant, suspending agent, dispersing agent, buffer
Sodium α -olefinsulfonate (sodium C ₁₄ -C ₁₆) (Olefin sulfonate).	Surfactants, related adjuvants of surfactants
Sodium aluminum silicate	Solid diluent, carrier
Sodium diisobutylphthalenesulfonate	Surfactants, related adjuvants of surfactants
Sodium dioctylsulfosuccinate	Do.
Sodium dodecylphenoxybenzenedisulfonate	Do.
Sodium hexametaphosphate	Surfactant, emulsifier, wetting agent, suspending agent, dispersing agent, buffer
Sodium hydroxide	Neutralizer
Sodium isopropylisohexylnaphthalenesulfonate	Surfactants, related adjuvants of surfactants

Inert ingredients	Limits	Uses
Sodium lauryl glyceryl ether sulfonate	Do.
Sodium metasilicate	Surfactants, emulsifiers, wetting agents, dispersing agents, buffer
Sodium monoalkyl and dialkyl (C ₈ -C ₁₆) phenoxybenzenedisulfonate mixtures containing not less than 70% of the monoalkylated product.	Surfactants, related adjuvants of surfactants
Sodium mono- and dimethyl naphthalenesulfonates, molecular weight (in amu) 245-260.	Do.
Sodium mono-, di-, and tributyl naphthalenesulfonates.	Do.
Sodium mono-, di-, and triisopropyl naphthalenesulfonate.	Do.
Sodium <i>N</i> -oleoyl- <i>N</i> -methyltaurine	Do.
Sodium salt of sulfated oleic acid	Surfactants, related adjuvants of surfactants
Sodium silicate	Surfactant, emulsifier, wetting agent, stabilizer, inhibitor
Sodium starch glycolate (CAS Reg. No. 9063-38-1).	Granular and tableted products only; not to exceed 8% of the formulated product.	Disintegrant
Sodium sulfate	Solid diluent, carrier
Sodium sulfite	Stabilizer
Sodium tripolyphosphate	Buffer, surfactant, suspending agent, dispersing agent, anticaking agent, conditioning agent
Sorbic acid (CAS Reg. No. 110-44-1)	Preservative for formulations
Sorbitan fatty acid esters (fatty acids limited to C ₁₂ , C ₁₄ , C ₁₆ , and C ₁₈ containing minor amounts of associated fatty acids) and their derivatives; the poly(oxyethylene) content averages 5-20 moles.	Surfactants, related adjuvants or surfactants.
Soybean flour	Expires May 24, 2005.	Surfactant
Soybean oil-derived fatty acids	Solvent, cosolvent
Sperm oil conforming to 21 CFR 172.210	Coating agent
Stearic acid	Diluent
α -Stearoyl- ω -hydroxypoly(oxyethylene), average molecular weight (in amu) of 600.	Emulsifier
α -Stearoyl- ω -hydroxypoly(oxyethylene); the poly(oxyethylene) content averages either 8, 9, or 40 moles; if a blend of products is used, the average number of moles ethylene oxide reacted to produce any product that is a component of the blend shall be either 8, 9, or 40.	Surfactants, related adjuvants of surfactants
Sucrose octaacetate	Adhesive
Sulfite liquors and cooking liquors, spent, oxidized (CAS Reg. No. 68514-09-0).	Surfactant, related adjuvants of surfactants
Sulfuric acid (CAS Reg. No.7664-93-9)	Not to exceed 10% of the pesticide formulation; non-aerosol formulations only.	pH Control agent
Synthetic paraffin and its succinic derivatives conforming to 21 CFR 172.275.	Carrier, binder, and carrying agent
Synthetic petroleum wax, conforming to 21 CFR 172.888.	Binder, carrier, and coating agent
Talc	Solid diluent, carriers
Tall oil; fatty acids not less than 58%, rosin acids not more than 44%, unsaponifiables not more than 8%.	Surfactants, related adjuvants of surfactants
Tartrazine	Dye
Terpenes and terpenoids, turpentine oil, alpha-pinene fraction, polymd. (CAS Reg. No. 70750-57-1).	Surfactants, related adjuvants of surfactants
1,1,1,2-Tetrafluoroethane, (CAS Reg. No. 811-97-2).	Aerosol propellant
Tetrahydrofurfuryl alcohol	Solvent cosolvent

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α-[p-(1,1,3,3-Tetramethylbutyl)phenyl]-ω-hydroxypoly(oxyethylene) produced by the condensation of 1 mole of p-(1,1,3,3-tetramethylbutyl)phenol with a range of 1-14 or 30-70 moles of ethylene oxide; if a blend of products is used, the average range number of moles of ethylene oxide reacted to produce any product that is a component of the blend shall be in the range of 1-14 or 30-70.	Surfactants, related adjuvants of surfactants
α-[p-(1,1,3,3-Tetramethylbutyl) phenyl]-ω-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.	Do.
2,4,7,9-Tetramethyl-5-decyn-4, 7-diol	Not more than 2.5% of pesticide formulation.	Surfactants, related adjuvants of surfactants
Tetrasodium pyrophosphate	Anticaking agent, conditioning agent
Thiosulfuric acid, disodium salt, anhydrous. (CAS Reg. No 7772-98-7).	Dechlorinator, reducing agent
Thiosulfuric acid, disodium salt, pentahydrate. (CAS Reg. No. 10102-17-7).	Do.
Tricalcium phosphate	Surfactant, suspending agent, dispersing agent, anticaking agent, conditioning agent
Tridecylpoly(oxyethylene) acetate, sodium salt; where the ethylene oxide content averages 6-7 moles.	Surfactants, related adjuvants of surfactants
Trisodium phosphate	Surfactant, emulsifier, wetting agent
Vermiculite	Solid diluent, carrier.
Walnut shells	Leaching inhibitor, binder for water-dispersible aggregates, sticker and suspension stabilizer
Wheat bran	Solid diluent carrier, attractant
Wintergreen oil	Attractant
Wood flour	Derived from wood free of chemical preservatives.	Solid diluent and carrier
Xanthan gum-modified, produced by the reaction of xanthan gum and glyoxal (maximum 0.3% by weight).	Not more than 0.5% of pesticide formulation.	Surfactant
Xylene meeting the specifications listed in 21 CFR 172.884(b)(4).	In pesticide formulations for grain storage only.	Solvent, cosolvent
Zeolite (hydrated alkali aluminum silicate)	Solid diluent, carrier
Zinc oxide	Coating agent
Zinc sulfate (basic and monohydrate)	Do.
Zinc sulfate (basic and monohydrate)	Solid diluent, carrier

[69 FR 23117, Apr. 28, 2004, as amended at 69 FR 33578, June 16, 2004; 69 FR 34949, June 23, 2004; 69 FR 40786, July 7, 2004; 69 FR 47025, Aug. 4, 2004; 69 FR 58304, 58314, Sept. 30, 2004; 70 FR 28443, 28451, May 18, 2005; 70 FR 31364, June 1, 2005; 70 FR 37692, June 30, 2005; 70 FR 38786, July 6, 2005; 70 FR 43311, July 27, 2005; 70 FR 44496, Aug. 3, 2005; 70 FR 51628, Aug. 31, 2005; 70 FR 54286, Sept. 14, 2005; 70 FR 55296, Sept. 21, 2005; 70 FR 67910, Nov. 9, 2005; 70 FR 55733, Sept. 23, 2005; 71 FR 14414, Mar. 22, 2006; 71 FR 30810, May 31, 2006]

§ 180.920 Inert ingredients used pre-harvest; exemptions from the requirement of a tolerance.

The following materials are exempted from the requirement of a tolerance when used in accordance with good agricultural practice as inert (or occasionally active) ingredients in pesticide formulations applied to growing crops only:

Inert ingredients	Limits	Uses
Acetophenone .....	.....	Attractant
Adenosine (CAS Reg. No. 58-61-7)	Maximum of 0.5% of formulation.	Synergist
Alder bark .....	.....	Seed germination stimulator