

§ 180.930

40 CFR Ch. I (7-1-14 Edition)

Inert ingredients	Limits	Uses
Toluenesulfonic acid and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts.	.....	Solvent, cosolvent
Triethanolamine .....	.....	Stabilizer, inhibitor for formulations used before crop emerges from soil
Triethanolamine (CAS Reg. No. 102-71-6) .....	.....	Stabilizer, inhibitor
Triethylene glycol .....	.....	Deactivator
Triethyl phosphate .....	.....	Stabilizer for formulations used before crop emerges from soil
Trimethylolpropane (CAS Reg. No. 77-99-6) ....	Not to exceed 15% by weight of the film.	Component in water-soluble film
$\alpha$ -[2,4,6-Tris[1-(phenyl)ethyl]phenyl]- $\omega$ -hydroxy poly(oxyethylene), the poly(oxyethylene) content averages 4-150 moles.	Not more than 15% of the formulation.	Surfactant.
$\alpha$ -[2,4,6-Tris[1-(phenyl)ethyl]phenyl]- $\omega$ -hydroxy poly(oxyethylene); mixture of monohydrogen and dihydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, potassium, sodium, and zinc salts, the poly(oxyethylene) content averages 4-150 moles.	Not more than 15% of the formulation.	Do.
$\alpha$ -[2,4,6-Tris[1-(phenyl)ethyl]phenyl]- $\omega$ -hydroxy poly(oxyethylene) sulfate, and the corresponding ammonium, calcium, magnesium, potassium, sodium, and zinc salts, the poly(oxyethylene) content averages 4-150 moles.	Not more than 15% of the pesticide formulation.	Do.
Tryptophan (CAS Reg. No. 73-22-3) .....	Maximum of 0.5% of formulation.	Synergist
Valeric acid, normal .....	Not more than 2% in pesticide formulations.	Stenching agent or odorant
Xylene .....	.....	Solvent, cosolvent
Xylenesulfonic acid its ammonium calcium, magnesium, potassium, sodium, and zinc salts.	.....	Surfactants, related adjuvants of surfactants
Yucca extract from <i>Yucca schidigera</i> .....	.....	Wetting agent
Ytterbium chloride .....	10 ppm in formulation .....	Tagging agent
Yttrium chloride .....	10 ppm in formulation .....	Tagging agent
Zinc orthophosphate .....	.....	Plant nutrient and safener
Zinc stearate, conforming to 21 CFR 182.5994 and 582.5994.	.....	Flow control agent

[69 FR 23124, Apr. 28, 2004]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §180.920, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at [www.fdsys.gov](http://www.fdsys.gov).

**§ 180.930 Inert ingredients applied to animals; exemptions 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 animals:

The following materials are exempt from the requirement of a tolerance

Inert ingredients	Limits	Uses
Acetic acid (CAS Reg. No. 64-19-7) .....	Not more than 0.5% of pesticide formulation.	Catalyst
Acetic anhydride .....	.....	Solvent, cosolvent, stabilizer
Acetone (Cas Reg. No. 67-64-1) .....	.....	Solvent or cosolvent
Alkanolic and alkenolic acids, mono- and diesters of $\alpha$ -hydro- $\omega$ -hydroxypoly(oxyethylene) with molecular weight (in amu) range of 200 to 6,000.	.....	Emulsifiers
Alkyl (C <sub>8</sub> -C <sub>24</sub> ) benzenesulfonic acid and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts.	.....	Surfactants, emulsifier, related adjuvants of surfactants
Alkyl (C <sub>12</sub> -C <sub>16</sub> ) dimethyl ammonio acetate (CAS Reg. Nos. 683-10-3, 2601-33-4 and 693-33-4.	20% by weight in pesticide formulation.	Surfactant

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<p><math>\alpha</math>-Alkyl(C<sub>6</sub>-C<sub>15</sub>)-<math>\omega</math>-hydroxypoly(oxyethylene)sulfate, and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts, poly(oxyethylene) content averages 2-4 moles (CAS Reg. Nos. 3088-31-1, 9004-82-4, 9004-84-6, 9021-91-4, 13150-00-0, 25446-78-0, 26183-44-8, 27140-00-7, 27731-61-9, 27731-62-0, 32612-48-9, 34431-25-9, 35015-74-8, 50602-06-7, 52286-18-7, 52286-19-8, 54116-08-4, 61702-79-2, 62755-21-9, 63428-86-4, 63428-87-5, 65086-57-9, 65086-79-5, 67674-66-2, 67845-82-3, 67845-83-4, 68037-05-8, 68037-06-9, 68171-41-5, 68424-50-0, 68511-39-7, 68585-34-2, 68610-66-2, 68611-55-2, 68649-53-6, 68890-88-0, 68891-29-2, 68891-30-5, 68891-38-3, 69011-37-6, 73665-22-2, 75422-21-8, 78330-16-2, 78330-17-3, 78330-25-3, 78330-26-4, 78330-27-5, 78330-28-6, 78330-29-7, 78330-30-0, 96130-61-9, 106597-03-9, 110392-50-2, 125301-88-4, 125301-89-5, 125301-92-0, 125736-54-1, 157707-85-2, 160104-51-8, 160901-27-9, 160901-28-0, 160901-29-1, 160901-30-4, 161025-28-1, 161074-79-9, 162063-19-6).</p>	<p>Not to exceed 30% of pesticide formulation.</p>	<p>Surfactants, related adjuvants of surfactants</p>
<p><math>\alpha</math>-alkyl (C<sub>12</sub>-C<sub>15</sub>)-<math>\omega</math>-hydroxypoly(oxypropylene)poly(oxyethylene)copolymers (where the poly(oxypropylene) content is 3-60 moles and the poly(oxyethylene) content is 5-80 moles), the resulting ethoxylated propoxylated (C<sub>12</sub>-C<sub>15</sub>) alcohols having a minimum molecular weight (in amu) of 1,500, CAS Reg. No. 68551-13-3.</p>	<p>Not to exceed 20% of pesticide formulations.</p>	<p>Surfactant</p>

Inert ingredients	Limits	Uses
<p>α-alkyl-ω-hydroxypoly (oxypropylene) and/or poly (oxyethylene) polymers where the alkyl chain contains a minimum of six carbons (CAS Reg. No.: 9002-92-0; 9004-95-9; 9004-98-2; 9005-00-9; 9035-85-2; 9038-29-3; 9038-43-1; 9040-05-5; 9043-30-5; 9087-53-0; 25190-05-0; 24938-91-8; 25231-21-4; 26183-52-8; 26468-86-0; 26636-39-5; 27252-75-1; 27306-79-2; 31726-34-8; 34398-01-1; 34398-05-5; 37251-67-5; 37311-00-5; 37311-01-6; 37311-02-7; 37311-04-9; 39587-22-9; 50861-66-0; 52232-09-4; 52292-17-8; 52609-19-5; 57679-21-7; 59112-62-8; 60828-78-6; 61702-78-1; 61725-89-1; 61791-13-7; 61791-20-6; 61791-28-4; 61804-34-0; 61827-42-7; 61827-84-7; 62648-50-4; 63303-01-5; 63658-45-7; 63793-60-2; 64366-70-7; 64415-24-3; 64415-25-4; 64425-86-1; 65104-72-5; 65150-81-4; 66455-14-9; 66455-15-0; 67254-71-1; 67763-08-0; 68002-96-0; 68002-97-1; 68131-39-5; 68131-40-8; 68154-96-1; 68154-97-2; 68154-98-3; 68155-01-1; 68213-23-0; 68213-24-1; 68238-81-3; 68238-82-4; 68409-58-5; 68409-59-6; 68439-30-5; 68439-45-2; 68439-46-3; 68439-48-5; 68439-49-6; 68439-50-9; 68439-51-0; 68439-53-2; 68439-54-3; 68458-88-8; 68526-94-3; 68526-95-4; 68551-12-2; 68551-13-3; 68551-14-4; 68603-20-3; 68603-25-8; 68920-66-1; 68920-69-4; 68937-66-6; 68951-67-7; 68954-94-9; 68987-81-5; 68991-48-0; 69011-36-5; 69013-18-9; 69013-19-0; 69227-20-9; 69227-21-0; 69227-22-1; 69364-63-2; 70750-27-5; 70879-83-3; 70955-07-6; 71011-10-4; 71060-57-6; 71243-46-4; 72066-65-0; 72108-90-8; 72484-69-6; 72854-13-8; 72905-87-4; 73018-31-2; 73049-34-0; 74432-13-6; 74499-34-6; 78330-19-5; 78330-20-8; 78330-21-9; 78330-23-1; 79771-03-2; 84133-50-6; 85422-93-1; 97043-91-9; 97953-22-5; 102782-43-4; 103331-86-8; 103657-84-7; 103657-85-8; 103818-93-5; 103819-03-0; 106232-83-1; 111905-54-5; 116810-31-2; 116810-32-3; 116810-33-4; 120313-48-6; 120944-68-5; 121617-09-2; 126646-02-4; 126950-62-7; 127036-24-2; 139626-71-4; 152231-44-2; 154518-36-2; 157627-86-6; 157627-88-8; 157707-41-0; 157707-43-2; 159653-49-3; 160875-66-1; 160901-20-2; 160901-09-7; 160901-19-9; 161025-21-4; 161025-22-5; 166736-08-9; 169107-21-5; 172588-43-1; 176022-76-7; 196823-11-7; 287935-46-0; 288260-45-7; 303176-75-2; 954108-36-2).</p>	<p>.....</p>	<p>Surfactants, related adjuvants of surfactants.</p>

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<p><math>\alpha</math>-alkyl (minimum C<sub>6</sub> linear, branched, saturated and/or unsaturated)-<math>\omega</math>-hydroxypolyoxyethylene polymer with or without polyoxypropylene, mixture of di- and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, monoethanolamine, potassium, sodium and zinc salts of the phosphate esters; minimum oxyethylene content averages 2 moles; minimum oxypropylene content is 0 moles (CAS Reg. Nos. 9004-80-2, 9046-01-9, 26982-05-8, 31800-89-2, 37280-82-3, 39464-66-9, 39341-09-8, 39341-65-6, 39464-69-2, 42612-52-2, 50643-20-4, 50668-50-3, 51884-64-1, 52019-36-0, 57486-09-6, 58318-92-6, 59112-71-9, 60267-55-2, 61837-79-4, 62362-49-6, 63747-86-4, 63887-55-8, 66272-25-1, 67711-84-6, 67786-06-5, 67989-06-4, 68070-99-5, 68071-17-0, 68071-35-2, 68071-37-4, 68130-44-9, 68130-45-0, 68130-46-1, 68130-47-2, 68186-29-8, 68186-36-7, 68186-34-5, 68186-37-8, 68238-84-6, 68311-02-4, 68311-04-6, 68389-72-0, 68413-78-5, 68425-73-0, 68425-75-2, 68439-39-4, 68458-48-0, 68511-15-9, 68511-36-4, 68511-37-5, 68551-05-3, 68585-15-9, 68585-16-0, 68585-17-1, 68585-36-4, 68585-39-7, 68603-24-7, 68607-14-7, 68610-64-0, 68610-65-1, 68649-29-6, 68649-30-9, 68650-84-0, 68815-11-2, 68855-46-9, 68856-03-1, 68890-90-4, 68890-91-5, 68891-12-3, 68891-13-4, 68891-26-9, 68908-64-5, 68909-65-9, 68909-67-1, 68909-69-3, 68921-24-4, 68921-60-8, 68954-87-0, 68954-88-1, 68954-92-7, 68987-35-9, 69029-43-2, 69980-69-4, 70247-99-3, 70248-14-5, 70903-63-8, 71965-23-6, 71965-24-7, 72480-27-4, 72623-67-7, 72623-68-8, 72828-56-9, 72828-57-0, 73018-34-5, 73038-25-2, 73050-08-5, 73050-09-6, 73361-29-2, 73378-71-9, 73378-72-0, 73559-42-9, 73559-43-0, 73559-44-1, 73559-45-2, 74499-76-6, 76930-25-1, 78330-22-0, 78330-24-2, 91254-26-1, 93925-54-3, 96416-89-6, 103170-31-6, 103170-32-7, 106233-09-4, 106233-10-7, 108818-88-8, 110392-49-9, 111798-26-6, 111905-50-1, 116671-23-9, 117584-36-8, 119415-05-3, 121158-61-0, 121158-63-2, 125139-13-1, 125301-86-2, 125301-87-3, 126646-03-5, 129870-77-5, 129870-80-0, 130354-37-9, 136504-88-6, 143372-50-3, 143372-51-4, 154518-39-5, 154518-40-8, 155240-11-2, 160498-49-7, 160611-24-5, 171543-66-1, 210493-60-0, 246159-55-7, 251298-11-0, 261627-68-3, 317833-96-8, 422563-19-7, 873662-29-4, 936100-29-7, 936100-30-0, 1072943-56-6, 1187742-89-7, 1187743-35-6).</p>	<p>Not to exceed 30% of pesticide formulation.</p>	<p>Surfactants, related adjuvants of surfactants</p>
<p>N-alkyl (C<sub>8</sub>-C<sub>18</sub>) primary amines and their acetate salts where the alkyl group is linear and may be saturated and/or unsaturated (CAS Reg. Nos. 61790-57-6, 61790-58-7, 61790-59-8, 61790-60-1, 61788-46-3, 61790-33-8, 68155-38-4).</p>	<p>Concentration in formulated end-use products not to exceed 10% by weight in herbicide products, 4% by weight in insecticide products, and 4% by weight in fungicide products.</p>	<p>Surfactants, related adjuvants of surfactants</p>
<p>Alkyl (C<sub>8</sub>-C<sub>18</sub>) sulfate and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts.</p>	<p>.....</p>	<p>Surfactant</p>

Inert ingredients	Limits	Uses
N,N-Bis- $\alpha$ -ethyl- $\omega$ -hydroxypoly(oxy-1,2-ethanediyl) C <sub>8</sub> -C <sub>18</sub> saturated and unsaturated alkylamines; the poly(oxy-1,2-ethanediyl) content is 2-60 moles (CAS Reg. Nos. 10213-78-2, 25307-17-9, 26635-92-7, 26635-93-8, 288259-52-9, 58253-49-9, 61790-82-7, 61791-14-8, 61791-24-0, 61791-26-2, 61791-31-9, 61791-44-4, 68155-33-9, 68155-39-5, 68155-40-8, 70955-14-5, 73246-96-5, 1266162-49-5).	Not to exceed 25% in herbicide formulations and 10% in insecticide and fungicide formulations.	Surfactants, related adjuvants of surfactants
N,N-Bis- $\alpha$ -ethyl- $\omega$ -hydroxypoly(oxy-1,2-ethanediyl/oxy(methyl-1,2-ethanediyl) C <sub>8</sub> -C <sub>18</sub> saturated and unsaturated alkylamines; the poly(oxy-1,2-ethanediyl/oxy(methyl-1,2-ethanediyl) content is 2-60 moles (CAS Reg. Nos. 68213-26-3, 68153-97-9, 75601-76-2).	Not to exceed 25% in herbicide formulations and 10% in insecticide and fungicide formulations.	Surfactants, related adjuvants of surfactants
Ascorbyl palmitate .....	.....	Preservative
Attapulgate-type clay .....	.....	Solid diluent, carrier
Barium sulfate (CAS Reg. No. 7727-43-7) .....	.....	Carrier, density control agent
Benzoic acid .....	.....	Preservative for formulations
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
n-Butanol (CAS Reg. No. 71-36-3) .....	.....	Solvent for blended emulsifiers
Butylated hydroxyanisole .....	.....	Antioxidant
Butylated hydroxytoluene .....	.....	Do.
Calcium carbonate .....	.....	Solid diluent, carrier
Calcium chloride .....	.....	Stabilizer
Calcium silicate, hydrated calcium silicate .....	.....	Anticaking agent, solid diluent, carrier
Calcium stearate (CAS Reg. No. 1592-23-0) ...	.....	Stabilizer, component of plastic animal tag
Calcium sulfate .....	.....	Solid diluent, carrier
Carbon black (CAS Reg. No. 1333-86-4) .....	.....	Colorant/pigment in animal tag
Carbon Dioxide (CAS Reg. No. 124-38-9) .....	None .....	Propellant
Carrageenan, conforming to 21 CFR 172.620 ...	Minimum molecular weight (in amu): 100,000.	Thickener
Cyclohexanone .....	.....	Solvent, cosolvent
D&C Green No. 6 .....	.....	Dye, coloring agent
D&C Red No. 17 .....	.....	Do.
D&C Violet No. 2 .....	.....	Do.
Dialkyl (C <sub>8</sub> -C <sub>18</sub> ) dimethylammonium 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
Diethanolamine salts of alkyl (C <sub>8</sub> -C <sub>24</sub> ) benzenesulfonic acid (CAS Reg. Nos. 26545-53-9, 67815-95-6, 67889-94-5, 67889-95-6, 68259-34-7, 68478-47-7, 68567-68-0, 68815-34-9, 68815-37-2, 68891-02-1, 68953-97-9, 84989-15-1, 85338-09-6, 90194-39-1, 90194-40-4, 90218-08-9).	Not to exceed 7% of pesticide formulation.	Surfactants, related adjuvants of surfactants.
Diethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-75-4).	.....	Surfactant
Diethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-83-4).	.....	Surfactant
Diethylaminoethanol, ethoxylated, reaction products with acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-81-2).	.....	Surfactant
Diethylaminoethanol, ethoxylated, reaction product with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-72-1).	.....	Surfactant
Diethylphthalate .....	.....	Solvent, cosolvent
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

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Dimethyl ether (CAS Reg. No. 115–10–6) .....	.....	Propellant
Dimethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–42–5).	.....	Surfactant
Dimethylaminoethanol, ethoxylated, propoxylated reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–67–4).	.....	Surfactant
Dimethylaminoethanol, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–38–9).	.....	Surfactant
Dimethylaminoethanol, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–49–2).	.....	Surfactant
Dimethylaminopropylamine, isopropylamine, ethanolamine, and triethanolamine salts of alkyl (C <sub>8</sub> -C <sub>24</sub> ) benzenesulfonic acid (CAS Reg. Nos. 3088–30–0, 12068–12–1, 26264–05–1, 26836–07–7, 27323–41–7, 55470–69–4, 58089–99–9, 61886–59–7, 61931–76–8, 67924–05–4, 68110–32–7, 68259–35–8, 68411–31–4, 68442–72–8, 68567–69–1, 68584–24–7, 68584–25–8, 68648–81–7, 68648–96–4, 68649–00–3, 68815–30–5, 68815–35–0, 68910–32–7)	.....	Surfactants, related adjuvants of surfactants.
68953–93–5, 68953–98–0, 70528–84–6, 72391–21–0, 84961–74–0, 85480–55–3, 85480–56–4, 85995–82–0, 90194–42–6, 90194–53–9, 90194–54–0, 90194–55–1, 90218–09–0, 90218–11–4, 90218–35–2, 96687–54–6, 99924–49–9, 121617–08–1, 157966–96–6, 193562–36–6, 319926–68–6, 877677–48–0, 1093628–27–3)..	.....	
3,6-Dimethyl-4-octyne-3,6-diol .....	Not more than 2.5% of pesticide formulation.	Surfactants, related adjuvants of surfactants
Dimethylpolysiloxane (CAS Reg. No. 9016–00–6).	.....	Defoaming agent
Dipropylene glycol monomethyl ether .....	.....	Surfactants, related adjuvants of surfactants
Epoxidized soybean oil (CAS Reg. No. 8013–07–8).	.....	Stabilizer, plasticizer, component animal tag
Ethyl alcohol .....	.....	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 (CAS Reg. No. 9014–85–1).	.....	Surfactants, related adjuvants of surfactants
2-Ethyl-1-hexanol (CAS Reg. No. 104–76–7) ....	Not more than 10% of pesticide.	Solvent, adjuvant of surfactants
FD&C Blue No. 1 .....	.....	Dye, coloring agent
FD&C Yellow No. 6 Aluminum Lake (CAS Reg. No. 15790–07–5).	Not more than 2% by weight of pesticide formulation.	Pigment in animal tag and similar slow-release devices
D-glucopyranose, oligomeric, C <sub>10-16</sub> -alkyl glycosides (CAS Reg. No. 110615–47–9).	.....	Surfactant
Glycerol monooleate .....	.....	Surfactants, related adjuvants of surfactants
Glyceryl monostearate .....	.....	Emulsifier
Glyceryl tris-12-hydroxystearate .....	.....	Flow control agent
Graphite .....	.....	Solid diluent, carrier
n-Hexyl alcohol (CAS Reg. No. 111–27–3) .....	.....	Solvent, cosolvent
Hydroxyethylmorpholine, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–06–4).	.....	Surfactant
Hydroxyethylmorpholine, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188–67–4).	.....	Surfactant

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Hydroxyethylmorpholine, ethoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–00–8).	.....	Surfactant
Hydroxyethylmorpholine, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–09–7).	.....	Surfactant
Hydroxyethylpiperidine, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–22–4).	.....	Surfactant
Hydroxyethylpiperidine, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–28–0).	.....	Surfactant
Hydroxyethylpiperidine, ethoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–20–2).	.....	Surfactant
Hydroxyethylpiperidine, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189–25–7).	.....	Surfactant
2-(2'-Hydroxy-5'-methylphenyl)benzotriazole (CAS Reg. No. 2440–22–4).	Not more than 0.5% by weight of pesticide formulation.	Ultraviolet light absorber/stabilizer in animal tag and similar slow-release devices
Iron oxide (CAS Reg. No. 1309–37–1) .....	.....	Colorant in pesticide formulations for animal tags
Isobutane (CAS Reg. No. 75–28–5) .....	None .....	Propellant
Isopropyl myristate, CAS Reg. No. 110–27–0 ...	.....	Solvent
Kaolinite-type clay .....	.....	Solid diluent, carrier
Kerosene, U.S.P. reagent .....	.....	Solvent, cosolvent
Lactic acid .....	.....	Solvent
Lactic acid, 2-ethylhexyl ester (CAS Reg. No. 6283–86–9).	.....	Solvent
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
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.

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Inert ingredients	Limits	Uses
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 .....	.....	Solid diluent, carrier
Magnesium silicate, hydrated magnesium silicate.	.....	Do.
Methyl alcohol .....	.....	Solvent, cosolvent
Methyl <i>n</i> -amyl ketone (CAS Reg. No. 110-43-0).	.....	Solvent, cosolvent
Methyl esters of higher fatty acids conforming to 21 CFR 573.640.	.....	Antidusting agent
Methyl- <i>p</i> -hydroxybenzoate (Methyl paraben) .....	Meets specifications of Food Chemicals Codex; not to exceed 0.1% in formulations.	Preservative
Methyl isobutyl ketone .....	.....	Solvent, cosolvent
2-methyl-2,4-pentanediol (CAS Reg. No.-107-41-5).	Without limitation .....	Growing crops and food animals
2-methyl-1,3-propanediol (CAS Reg. No. 2163-42-0).	.....	Solvent, surfactant
Mineral oil, U.S.P., or conforming to 21 CFR 172.878 or 178.3620(a), (b).	.....	Solvent, diluent
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 <sub>9</sub> , 40% C <sub>10</sub> , and 40% C <sub>11</sub> with carbohydrates (average glucose to alkyl chain ratio 1.3 to 1.8).	.....	Surfactant
$\alpha$ -( <i>p</i> -Nonylphenol)- $\omega$ -hydroxypoly(oxyethylene) mixture of dihydrogen phosphate and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, 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 or 30 moles (CAS Reg. Nos. 51811-79-1, 59139-23-0, 67922-57-0, 68412-53-3, 68553-97-9, 68954-84-7, 99821-14-4, 152143-22-1, 51609-41-7, 37340-60-6, 106151-63-7, 68584-47-4, 52503-15-8, 68458-49-1).	Not to exceed 7% of pesticide formulation.	Surfactants, related adjuvants of surfactants
$\alpha$ -( <i>p</i> -Nonylphenol)- $\omega$ -hydroxypoly(oxyethylene) sulfate, ammonium, calcium, magnesium, potassium, sodium, and zinc salts the nonyl group is propylene trimer isomer and the poly(oxyethylene) content averages 4 moles (CAS Reg. Nos. 9014-90-8, 9051-57-4, 9081-17-8, 68649-55-8, 68891-33-8).	Not to exceed 7% of pesticide formulation.	Surfactants, related adjuvants of surfactants
$\alpha$ -( <i>p</i> -Nonylphenyl)- $\omega$ -hydroxypoly(oxyethylene) produced by the condensation of 1 mole of nonylphenol (nonyl group is a propylene trimer isomer) with an average of 4-15 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 4-15 or 30-90 moles.	.....	Surfactants, emulsifier, related adjuvants of surfactants.



Inert ingredients	Limits	Uses
Octadecyl 3,5-di- <i>tert</i> -butyl-4-hydroxyhydrocinnamate (CAS Reg. No. 2082–79–3).	Not more than 0.5% by weight of pesticide formulation.	Thermal stabilizer/antioxidant in animal tag and similar slow-release devices
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 <sub>8</sub> (45%), C <sub>10</sub> ) with anhydrous glucose.	.....	Thermal stabilizer/antioxidant in animal tag and similar slow-release devices
Octyl epoxytallate (CAS Reg. No. 61788–72–5)	.....	Plasticizer, component animal tag
Oleic acid, conforming to 21 CFR 172.862 (CAS Reg. No. 112–80–1).	.....	Defoaming agent
$\alpha$ -Oleoyl- $\omega$ -hydroxypoly(oxyethylene), average molecular weight (in amu) of 600.	.....	Emulsifier
$\alpha$ -Oleoyl- $\omega$ -(oleoxy)poly(oxyethylene) derived from $\alpha$ -hydro- $\omega$ -hydroxypoly(oxyethylene), molecular weight (in amu) 600.	.....	Emulsifier, defoaming agent
Petroleum hydrocarbons, light, odorless, conforming to 21 CFR 172.884 or 178.3650.	.....	Solvent, diluent
Petroleum hydrocarbons, synthetic isoparaffinic, conforming to 21 CFR 172.882 or 178.3530.	.....	Do.
Phenol .....	.....	Solvent, cosolvent
$\alpha$ -Pinene .....	Not more than 2% of formulation by weight.	Stabilizer
Polyethylene (CAS Reg. No. 9002–88–4) conforming to 21 CFR 172.615.	.....	Component of plastic slow release tag
Polyethylene glycol [ $\alpha$ -hydro- $\omega$ -hydroxypoly(oxyethylene)]; mean molecular weight (in amu) 194 to 9,500 conforms to 21 CFR 178.3750.	.....	Surfactants, related adjuvants of surfactants
Potassium benzoate (Cas No. 582–25–2) .....	None .....	Preservative
Potassium hydroxide .....	Meeting Food Chemicals, Codex specifications.	Neutralizer
Propane .....	.....	Propellant
1,2,3-Propanetriol, homopolymer diisooctadecanoate (CAS Reg. No. 63705–03–3).	.....	Emulsifier
<i>n</i> -Propanol .....	.....	Solvent, for blended emulsifiers
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 monomethyl ether .....	.....	Deactivator, emmolient
Propyl gallate .....	.....	Antioxidant
Propyl <i>p</i> -hydroxybenzoate (Propyl paraben) .....	Meets specifications of Food Chemicals Codex; not to exceed 0.1% in formulations.	Preservative
Pyrophyllite .....	.....	Solid diluent, carrier
Silica, hydrated silica .....	.....	Anticaking agent, solid diluent, carrier
Silica aerogel (finely powdered microcellular silica foam having a minimum silica content of 89.5%).	.....	Component of antifoaming agent
Soapstone .....	.....	Solid diluent
Sodium alkyl naphthalenesulfonates (CAS Reg. Nos. 68909–83–1, 68909–84–2, 68909–82–0, 27213–90–7, 26264–58–4, 27178–87–6, 111163–74–7, 908356–16–1, 25417–20–3, 25638–17–9, 145578–88–7, 1322–93–6, 1323–19–9, 7403–47–6, 68442–09–1, 127646–44–0, 908356–18–3).	Limited to no more than 30% by weight in pesticide end-use products.	Surfactants, related adjuvants of surfactants
Sodium 1,4-dihexyl sulfosuccinate (CAS Reg. No. 3006–15–3).	.....	Surfactants, related adjuvants of surfactants
Sodium 1,4-diisobutyl sulfosuccinate (CAS Reg. No. 127–39–9).	.....	Surfactants, related adjuvants of surfactants
Sodium dioctylsulfosuccinate .....	.....	Surfactants, related adjuvants of surfactants
Sodium 1,4-dipentyl sulfosuccinate (CAS Reg. No. 922–80–5).	.....	Surfactants, related adjuvants of surfactants
Sodium hydroxide .....	.....	Neutralizer

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Inert ingredients	Limits	Uses
Sodium monoalkyl and dialkyl (C6-C16) phenoxy benzenedisulfonates and related acids (CAS Reg. Nos. 147732-59-0, 147732-60-3, 169662-22-0, 70191-75-2, 36445-71-3, 39354-74-0, 70146-13-3, 119345-03-8, 149119-20-0, 149119-19-7, 119345-04-9, 28519-02-0, 25167-32-2, 30260-73-2, 65143-89-7, 70191-76-3).	Not to exceed 20% in pesticide formulations.	Surfactants, related adjuvants of surfactants
Sodium <i>N</i> -oleoyl- <i>N</i> -methyl taurine (CAS Reg. No. 137-20-2).	.....	Surfactants, related adjuvants of surfactants
Sodium and potassium salts of <i>N</i> -alkyl (C <sub>8</sub> -C <sub>18</sub> )-beta-iminodipropionic acid where the C <sub>8</sub> -C <sub>18</sub> is linear and may be saturated and/or unsaturated (CAS Reg. Nos. 110676-19-2, 3655-00-3, 61791-56-8, 14960-06-6, 26256-79-1, 90170-43-7, 91696-17-2, 97862-48-1).	Concentration in formulated end-use products not to exceed 30% by weight in pesticide formulations.	Surfactants, related adjuvants of surfactants
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
Sorbitan fatty acid esters (fatty acids limited to C <sub>12</sub> , C <sub>14</sub> , C <sub>16</sub> , and C <sub>18</sub> containing minor amounts of associated fatty acids) and poly(oxyethylene) derivatives of sorbitan fatty acid esters; the poly(oxyethylene) content averages 16-20 moles.	.....	Buffering agent; corrosion inhibition
Sorbitol .....	.....	Antidusting agent.
Stearic acid (CAS Reg. No. 57-11-4) .....	.....	Lubricant, component animal tag
α-Stearoyl-ω-hydroxypoly(oxyethylene), average molecular weight (in amu) of 600. ....	.....	Emulsifier
α-Stearoyl-ω-hydroxypoly(oxyethylene); the poly(oxyethylene) content averages 8, 9, or 40 moles; 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 8, 9, or 40.	.....	Surfactants; related adjuvants of surfactants
Sulfite liquors and cooking liquors, spent, oxidized (CAS Reg. No. 68514-09-0).	.....	Surfactant, related adjuvants of surfactants
Sulfur (CAS Reg. No. 7704-34-9) .....	.....	Stabilizer
Talc .....	.....	Do.
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, coloring agent
N,N,N',N',-tetrakis-(2-hydroxypropyl) ethylene-diamine (CAS Reg. No. 102-60-3).	Concentration in formulated end-use products not to exceed 20% by weight in pesticide formulations.	Stabilizer for formulation.
2,4,7,9-Tetramethyl-5-decyne-4,7-diol .....	Not more than 2.5% of pesticide formulation.	Surfactants, related adjuvants of surfactants
Titanium dioxide (CAS Reg. No. 13463-67-7) ..	.....	Pigment/colorant in pesticide formulations for animal tag
Toluenesulfonic acid and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts.	.....	Do.
Triacetin (glyceryl triacetate) .....	.....	Solvent, cosolvent
Trisodium phosphate .....	.....	Precipitant, buffer, filler
Xylene .....	.....	Solvent, cosolvent
Xylenesulfonic acid and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts.	.....	Surfactants, related adjuvants of surfactants
Zinc oxide .....	.....	Solid diluent, carrier
Zinc stearate, conforming to 21 CFR 182.5994 and 582.5994.	.....	Water repellent, desiccant, and coating agent.
Zinc stearate (CAS Reg. No. 557-05-1) .....	.....	Water repellent, desiccant, and coating agent; stabilizer, component of plastic animal tag
Zinc sulfate (basic and monohydrate) .....	.....	Water repellent, desiccant, and coating agent

[69 F.R. 23130, Apr. 28, 2004]

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**40 CFR Ch. I (7–1–14 Edition)**

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting §180.930, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at *www.fdsys.gov*.

**§ 180.940 Tolerance exemptions for active and inert ingredients for use in antimicrobial formulations (Food-contact surface sanitizing solutions).**

Residues of the following chemical substances are exempted from the requirement of a tolerance when used in accordance with good manufacturing practice as ingredients in an antimicrobial pesticide formulation, provided that the substance is applied on a

semi-permanent or permanent food-contact surface (other than being applied on food packaging) with adequate draining before contact with food.

(a) The following chemical substances when used as ingredients in an antimicrobial pesticide formulation may be applied to: Food-contact surfaces in public eating places, dairy-processing equipment, and food-processing equipment and utensils.

Pesticide Chemical	CAS Reg. No.	Limits
Acetic acid	64–19–7	When ready for use, the end-use concentration is not to exceed 290 ppm
$\alpha$ -alkyl- $\omega$ -hydroxypoly (oxypropylene) and/or poly (oxyethylene) polymers where the alkyl chain contains a minimum of six carbons.	9002–92–0; 9004–95–9; 9004–98–2; 9005–00–9; 9035–85–2; 9038–29–3; 9038–43–1; 9040–05–5; 9043–30–5; 9087–53–0; 25190–05–0; 24938–91–8; 25231–21–4; 26183–52–8; 26468–86–0; 26636–39–5; 27252–75–1; 27306–79–2; 31726–34–8; 34398–01–1; 34398–05–5; 37251–67–5; 37311–00–5; 37311–01–6; 37311–02–7; 37311–04–9; 39587–22–9; 50861–66–0; 52232–09–4; 52292–17–8; 52609–19–5; 57679–21–7; 59112–62–8; 60828–78–6; 61702–78–1; 61725–89–1;.	