Title 40 —Protection of Environment
Chapter I —Environmental Protection Agency
Subchapter E —Pesticide Programs
Part 180 —Tolerances and Exemptions for Pesticide Chemical Residues in Food
Subpart D —Exemptions From Tolerances

Authority: 21 U.S.C. 321(q), 346a and 371.
Source: 36 FR 22540, Nov. 25, 1971, unless otherwise noted.

Editorial Note: Nomenclature changes to part 180 appear at 62 FR 66023, Dec. 17, 1997.

§ 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.

Table 1 to Paragraph (a)

Pesticide Chemical	CAS Reg. No.	Limits
Acetal	105-57-7	When ready for use, the end-use concentration is not to exceed 100 ppm
acetaldehyde ethyl cis-3-hexenyl acetal	28069-74-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Acetanisole	100-06-1	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Acetic acid	64-19-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Acetic acid, octyl ester	112-14-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Acetoin	513-86-0	When ready for use, the end-use concentration is not to exceed 33 ppm
Acetophenone	98-86-2	When ready for use, the end-use concentration is not to exceed 100 ppm
4-acetyl-6-t-butyl-1,1-dimethylindan	13171-00-1	When ready for use, the end-use concentration is not to exceed 33 ppm
Adipic acid	124-04-9	When ready for use, the end-use concentration is not to exceed 100 ppm
alcohols, C_{16-18}, distn. residues	68603-17-8 1190630-03-5	
alkenes, C_{18-22}, mixed with polyethylene, oxidized, hydrolyzed, distn. residues from C_{16-18} alcs. manuf	1430895-61-6	
alkenes, C_{18-22}, mixed with polyethylene, oxidized, hydrolyzed, distn. residues from C_{20-22} alcs. manuf	1430895-62-7	
Alkylbenzene sulfonates (branched and linear) of chain lengths C_{10}-C_{16}, including benzenesulfonic acid, dodecyl and benzenesulfonic acid, dodecyl-, sodium salt	27176-87-0 25155-30-0	When ready for use, the end-use concentration is not to exceed 700 ppm
Alkyl cylcohexylpropionate	2705-87-5	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
α-Alkyl-ω-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; 251553-55-6; 26183-52-8; 26468-86-0; 26636-39-5; 26636-40-8; 27252-75-1; 27306-79-2; 31726-34-8; 32128-65-7; 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; 60636-37-5; 60828-78-6; 61702-78-1; 61723-78-2; 61725-89-1; 61791-13-7;	None

Pesticide Chemical	CAS Reg. No.	Limits
	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;	

Pesticide Chemical	CAS Reg. No.	Limits
	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;	

Pesticide Chemical	CAS Reg. No.	Limits
	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; 161133-70-6; 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; 2222805-23-2; 2409830-33-5	
C10-C18-Alkyl dimethyl amine oxides	1643-20-5, 2571-88-2, 2605-79-0, 3332-27-2,	When ready for use, the end-use concentration is not to exceed 1,350

Pesticide Chemical	CAS Reg. No.	Limits
	61788-90-7, 68955-55-5, 70592-80-2, 7128-91-8, 85408-48-6, and 85408-49-7	ppm
Allspice oil (*Pimenta officinalis* Lindl.)	8006-77-7	When ready for use, the end-use concentration is not to exceed 100 ppm
allyl alpha-ionone	79-78-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Allyl cinnamate	1866-31-5	When ready for use, the end-use concentration is not to exceed 33 ppm
Allyl heptanoate	142-19-8	When ready for use, the end-use concentration is not to exceed 33 ppm
Allyl hexanoate	123-68-2	When ready for use, the end-use concentration is not to exceed 33 ppm
Allyl propionate	2408-20-0	When ready for use, the end-use concentration is not to exceed 33 ppm
Aluminum sulfate	10043-01-3	When ready for use, the end-use concentration is not to exceed 50 ppm
2-propen-1-aminium, *N,N*-dimethyl-*N*-propenyl-, chloride, homopolymer	26062-79-3	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 0.6%
Ammonium chloride	12125-02-9	When ready for use, the end-use concentration is not to exceed 48 ppm
Amyl butyrate	540-18-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Amyl formate	638-49-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Amyl hexanoate	540-07-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Amylopectin, acid-hydrolyzed, 1-oxtenylbutanedioate	113894-85-2	None
Amylopectin, hydrogen 1-octadecenylbutanedioate	125109-81-1	None
p-Anisyl acetate	104-21-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Anisyl formate	122-91-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Anisyl propionate	7549-33-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Aspartic acid, N-(1,2-dicarboxyethyl)-, tetrasodium salt	144538-83-0	When ready for use, the end-use concentration is not to exceed 5000

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
Balsam oil, Peru (*Myroxylon pereirae* Klotzsch)	8007-00-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Benzaldehyde	100-52-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Benzaldehyde, methyl-	1334-78-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Benzene, 1,2-dimethoxy-	91-16-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Benzene, 2-methoxy-4-methyl-1-(1-methylethyl)-	1076-56-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Benzeneacetaldehyde	122-78-1	When ready for use, the end-use concentration is not to exceed 100 ppm
1,3-Benzodioxole-5-carboxaldehyde	120-57-0	When ready for use, the end-use concentration is not to exceed 33 ppm
Benzoic acid	65-85-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Benzoin gum, Sumatra	9000-05-9	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
Benzyl acetate	140-11-4	When ready for use, the end-use concentration is not to exceed 100 ppm
benzyl alcohol	100-51-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Benzyl benzoate	120-51-4	When ready for use, the end-use concentration is not to exceed 100 ppm
benzyl butyrate	103-37-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Benzyl cinnamate	103-41-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Benzyl formate	104-57-4	When ready for use, the end-use concentration is not to exceed 100 ppm
benzyl isobutyrate	103-28-6	When ready for use, the end-use concentration is not to exceed 100 ppm
benzyl propionate	122-63-4	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Benzyl salicylate	118-58-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Benzyl trans-2-methyl-2-butenoate	37526-88-8	When ready for use, the end-use concentration is not to exceed 100 ppm
benzaldehyde, 4-methoxy-	123-11-5	When ready for use, the end-use concentration is not to exceed 100 ppm
benzenemethanol, alpha-methyl-, 1-acetate	93-92-5	When ready for use, the end-use concentration is not to exceed 100 ppm
benzoic acid, ethyl ester	93-89-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Bicyclo(2.2.1)heptan-2-ol, 1,3,3-trimethyl-	1632-73-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Bicyclo(2.2.1)heptan-2-ol, 1,7,7-trimethyl-,propanoate, exo-	2756-56-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Bicyclo[2.2.1]heptan-2-one, 1,7,7-trimethyl-, (1R, 4R)-	464-49-3	When ready for use, the end-use concentration is not to exceed 33 ppm
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-	127-91-3	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
Bisabolene	495-62-5	When ready for use, the end-use concentration is not to exceed 100 ppm
1,4-Bis[[3-[2-(2-hydroxyethoxy)ethoxy]propyl]amino]-9,10-anthracenedione (CAS Reg. No. 123944-63-8)	0.5% by weight	Dye, coloring agent
Bois de rose oil	8015-77-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Borneol	507-70-0	When ready for use, the end-use concentration is not to exceed 100 ppm
endo-Bornyl acetate	76-49-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Butanoic acid, 1,1-dimethyl-2-phenylethyl ester	10094-34-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Butanoic acid, 3-methyl-, 2-methylpropyl ester	589-59-3	When ready for use, the end-use concentration is not to exceed 100 ppm
butanoic acid, 3-oxo-, ethyl ester	141-97-9	When ready for use, the end-use concentration is not to exceed 100 ppm
2-buten-1-one, 1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-	23696-85-7	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
3-buten-2-one, 3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-	127-51-5	When ready for use, the end-use concentration is not to exceed 100 ppm
3-Buten-2-one, 4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-	14901-07-6; 79-77-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Butryic acid	107-92-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Butyl acetate	123-86-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Butyl alcohol	71-36-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Butyl butyrate	109-21-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Butyl butyryllactate	7492-70-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Butyl isovalerate	109-19-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Butyl sulfide	544-40-1	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
Butyl 10-undecenoate	109-42-2	When ready for use, the end-use concentration is not to exceed 100 ppm
n-Butyl benzoate	136-60-7	When ready for use, the end-use concentration is not to exceed 15,000 ppm
n-Butyl 2-methylbutyrate	15706-73-7	When ready for use, the end-use concentration is not to exceed 100 ppm
n-Butyl-3-hydroxybutyrate	53605-94-0	Solvent
α-Butylcinnamaldehyde	7492-44-6	When ready for use, the end-use concentration is not to exceed 33 ppm
2-sec-Butylcyclohexanone	14765-30-1	When ready for use, the end-use concentration is not to exceed 33 ppm
γ-Butyrolactone	96-48-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Cadinene	29350-73-0; 523-47-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Cajeput oil (Melaleuca leucadendron L.)	8008-98-8	When ready for use, the end-use concentration is not to exceed 33 ppm
Calcium bisulfate		When ready for use,

Pesticide Chemical	CAS Reg. No.	Limits
		the end-use concentration is not to exceed 2,000 ppm
Calcium sulfate	7778-18-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Camphene	79-92-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Camphor	21368-68-3	When ready for use, the end-use concentration is not to exceed 33 ppm
Cananga oil	68606-83-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Capric (decanoic) acid	334-48-5	None
Caprylic (octanoic) acid	124-07-2	None
Cardamom (Elettaria cardamomum (L.) Maton)	85940-32-5	When ready for use, the end-use concentration is not to exceed 33 ppm
Cardamom seed oil (Elettaria cardamomum (L.) Maton)	8000-66-6	When ready for use, the end-use concentration is not to exceed 33 ppm
δ-3-Carene	13466-78-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Carvacrol	499-75-2	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
4-Carvomenthenol	562-74-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Carvyl acetate	97-42-7	When ready for use, the end-use concentration is not to exceed 100 ppm
β-Caryophyllene	87-44-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Cassia bark oil	8007-80-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Celery seed oil	8015-90-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Chamomile flower, Roman, oil (Anthemis nobilis L.)	8015-92-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Cinnamic acid; trans-Cinnamic acid	621-82-9; 140-10-3	When ready for use, the end-use concentration is not to exceed 100 ppm
cinnamic aldehyde	104-55-2	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
cinnamic alcohol	104-54-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Cinnamon leaf oil	84649-98-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Cinnamyl acetate	103-54-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Cinnamyl benzoate	5320-75-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Cinnamyl cinnamate	122-69-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Cinnamyl formate	104-65-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Cinnamyl isobutyrate	103-59-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Cinnamyl propionate	103-56-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Citral	5392-40-5	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
Citral dimethyl acetal	7549-37-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Citronellal	106-23-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Citronellol	106-22-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Citronelloxyacetaldehyde	7492-67-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Citronellyl acetate	150-84-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Citronellyl butyrate	141-16-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Citronellyl formate	105-85-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Citronellyl isobutyrate	97-89-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Citronellyl propionate	141-14-0	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
Citronellyl tiglate	24717-85-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Citrus, ext.	94266-47-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Clary oil (Salvia sclarea L.)	8016-63-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Cloves (*Eugenia* spp.)	84961-50-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Cognac oil, green	8016-21-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Copper sulfate pentahydrate	7758-99-8	When ready for use, the end-use concentration is not to exceed 80 ppm
Coriander oil (Coriandrum sativum L.)	8008-52-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Cornmint oil	68917-18-0	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Cuminaldehyde	122-03-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Currant buds black absolute (*Ribes nigrum* L.)	68606-81-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Cyclohexadiene, methyl-	30640-46-1; 1888-90-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Cyclohexene, 1-methyl-4-(1-methylethylidene)-	586-62-9	When ready for use, the end-use concentration is not to exceed 100 ppm
1-Cyclohexylethanol	1193-81-3	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Cyclohexylethyl acetate	21722-83-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Cyclopentaneacetai acid, 3-oxo-2-pentyl-, methyl ester	24851-98-7	When ready for use, the end-use concentration is not to exceed 33 ppm
Cyclopropanemethanol, 1-methyl-2-[(1,2,2-trimethylbicyclo[3.1.0]hex-3-yl)methyl]-	198404-98-7	When ready for use, the end-use concentration is not to exceed 33 ppm
p-Cymene	99-87-6	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
β-Damascone, (Z)-	23726-92-3	When ready for use, the end-use concentration is not to exceed 100 ppm
δ-decalactone	705-86-2	When ready for use, the end-use concentration is not to exceed 100 ppm
γ-decalactone	706-14-9	When ready for use, the end-use concentration is not to exceed 100 ppm
ε-Decalactone	5579-78-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Decanal	112-31-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Decanoic acid, 4-hydroxy-4-methyl-γ-lactone	7011-83-8	When ready for use, the end-use concentration is not to exceed 100 ppm
1-Decanol	112-30-1	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Decenal	3913-71-1	When ready for use, the end-use concentration is not to exceed 100 ppm
(E)-4-Decenal	65405-70-1	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
4-Decenal	30390-50-2	When ready for use, the end-use concentration is not to exceed 100 ppm
9-Decenal	39770-05-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Decyl acetate	112-17-4	When ready for use, the end-use concentration is not to exceed 100 ppm
D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	None
1,3-dibromo-5,5-dimethylhydantoin	77-48-5	None
1,1-diethoxy-3,7-dimethylocta-2,6-diene	7492-66-2	When ready for use, the end-use concentration is not to exceed 100 ppm
diethyl malonate	105-53-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Diethyl sebacate	110-40-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Diethyl tartrate	87-91-2	When ready for use, the end-use concentration is not to exceed 100 ppm
dihydro-beta-ionone	17283-81-7	When ready for use, the end-use concentration is

Pesticide Chemical	CAS Reg. No.	Limits
		not to exceed 100 ppm
dihydrocarvyl acetate	20777-49-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Diisobutyl ketone	108-83-8	When ready for use, the end-use concentration is not to exceed 33 ppm
m-Dimethoxybenzene	151-10-0	When ready for use, the end-use concentration is not to exceed 100 ppm
p-Dimethoxybenzene	150-78-7	When ready for use, the end-use concentration is not to exceed 100 ppm
2,6-Dimethoxyphenol	91-10-1	When ready for use, the end-use concentration is not to exceed 100 ppm
3,4-Dimethyl-1,2-cyclopentadione	13494-06-9	When ready for use, the end-use concentration is not to exceed 33 ppm
3,7-Dimethyl-1-octanol	106-21-8	When ready for use, the end-use concentration is not to exceed 100 ppm
2,2-Dimethyl-1,3-dioxolane-4-methanol	100-79-8	
2,6-Dimethyl-4-heptanol	108-82-7	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
2,6-Dimethyl-5-heptanal	106-72-9	When ready for use, the end-use concentration is not to exceed 100 ppm
3,7-Dimethyl-1,3,6-octatriene	13877-91-3	When ready for use, the end-use concentration is not to exceed 100 ppm
3,7-Dimethyl-6-octenoic acid	502-47-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Dimethylbenzylcarbinyl acetate	151-05-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Dimethylcyclohex-3-ene-1-carbaldehyde	27939-60-2	When ready for use, the end-use concentration is not to exceed 100 ppm
α,α-Dimethylphenethyl alcohol	100-86-7	When ready for use, the end-use concentration is not to exceed 100 ppm
2,5-Dimethylpyrazine	123-32-0	When ready for use, the end-use concentration is not to exceed 33 ppm
2,6-Dimethylpyrazine	108-50-9	When ready for use, the end-use concentration is not to exceed 33 ppm
p,α-Dimethylstyrene	1195-32-0	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
6,10-Dimethylundeca-5,9-dien-2-one	689-67-8	When ready for use, the end-use concentration is not to exceed 33 ppm
Di-n-butyl carbonate	542-52-9	When ready for use, the end-use concentration is not to exceed 15,000 ppm
Dipropylene glycol	25265-71-8	None
1-docosanol	661-19-8	
γ-Dodecalactone	2305-05-7	When ready for use, the end-use concentration is not to exceed 100 ppm
δ-Dodecalactone	713-95-1	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Dodecanol, (2E)-	20407-84-5	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Dodecenal	4826-62-4	When ready for use, the end-use concentration is not to exceed 100 ppm
1-eicosanol	629-96-9	
Ethanol	64-17-5	None
Elemi oil (Canarium spp.)	8023-89-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl acetate	141-78-6	When ready for use, the end-use concentration is

Pesticide Chemical	CAS Reg. No.	Limits
		not to exceed 100 ppm
Ethyl amyl ketone	106-68-3	When ready for use, the end-use concentration is not to exceed 33 ppm
Ethyl anthranilate	87-25-2	When ready for use, the end-use concentration is not to exceed 100 ppm
4-Ethylbenzaldehyde	4748-78-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl benzoylacetate	94-02-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl butyrate	105-54-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl cinnamate	103-36-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl (2E,4Z)-2,4-decadienoate	3025-30-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl decanoate	110-38-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl formate	109-94-4	When ready for use,

Pesticide Chemical	CAS Reg. No.	Limits
		the end-use concentration is not to exceed 100 ppm
Ethyl heptanoate	106-30-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl hexanoate	123-66-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl 2-hexylacetoacetate	29214-60-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl 3-hydroxybutyrate	5405-41-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl isobutyrate	97-62-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl isovalerate	108-64-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl laurate	106-33-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl levulinate	539-88-8	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Ethyl maltol	4940-11-8	When ready for use, the end-use concentration is not to exceed 33 ppm
Ethyl 2-methyl-3-pentenoate	1617-23-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl 2-methylbutyrate	452-79-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl 2-methylpentanoate	39255-32-8	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Ethyl-3-methylpyrazine	15707-23-0	When ready for use, the end-use concentration is not to exceed 33 ppm
Ethyl nonanoate	123-29-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl octanoate	106-32-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl propionate	105-37-3	When ready for use, the end-use concentration is not to exceed 100 ppm
ethyl salicylate	118-61-6	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
Ethyl tiglate	5837-78-5	When ready for use, the end-use concentration is not to exceed 100 ppm
ethylene brassylate	105-95-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethylenediaminetetraacetic acid (EDTA), tetrasodium salt	64-02-8	None
4-Ethylguaiacol	2785-89-9	When ready for use, the end-use concentration is not to exceed 100 ppm
p-Ethylphenol	123-07-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl phenylacetate	101-97-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethyl 3-phenylpropionate	2021-28-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Ethylvanillin	121-32-4	When ready for use, the end-use concentration is not to exceed 33 ppm
Eucalyptus oil	8000-48-4	When ready for use, the end-use concentration is not to exceed 33 ppm
Eugenyl acetate	93-28-7	When ready for use,

Pesticide Chemical	CAS Reg. No.	Limits
		the end-use concentration is not to exceed 100 ppm
FD&C Green No. 3	CAS Reg. No. 2353-45-9	None
FD&C Red No. 40	25956-17-6	When ready for use, the end-use concentration is not to exceed 20 ppm
FD&C Yellow No. 5	1934-21-0	When ready for use, the end-use concentration is not to exceed 1000 ppm
α-Farnesene	125037-13-0; 502-61-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Farnesol	4602-84-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Farnesyl acetate	29548-30-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Fenchone	4695-62-9	When ready for use, the end-use concentration is not to exceed 33 ppm
2-Formyl-6,6-dimethylbicyclo(3.1.1)hept-2-ene	564-94-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Galbanum oil (Ferula spp.)	8023-91-4	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
Geranic acid	459-80-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Geraniol	106-24-1	When ready for use, the end-use concentration is not to exceed 100 ppm
(E)-Geraniol	106-24-1	When ready for use, the end-use concentration is not to exceed 100 ppm
(E)-Geraniol acetate	105-87-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Geranyl benzoate	94-48-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Geranyl butyrate	106-29-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Geranyl formate	105-86-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Geranyl isobutyrate	2345-26-8	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Geranyl phenylacetate	102-22-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Geranyl propionate	105-90-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Geranyl tiglate	7785-33-3	When ready for use, the end-use concentration is not to exceed 100 ppm
C_1-C_4 linear and branched chain alkyl d-glucitol dianhydro alkyl ethers cluster	5306-85-4; 30915-81-2; 107644-13-3; 103594-41-8; 103594-42-9	When ready for use, the end-use concentration is not to exceed 500 ppm
D-glucitol, 1,4:3,6-dianhydro-2,5-di-O-(1-methylpropyl)-	None	
D-glucitol, 1,4:3,6-dianhydro-2,5-di-O-(2-methylpropyl)-, (CAS Reg. No. not assigned)	None	
D-glucurono-6-deoxy-L-manno-D-glucan, acetate, calcium magnesium potassium sodium salt (diutan gum)	(CAS No. 595585-15-2)	None
glyceryl triacetate	102-76-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Guaiacol	90-05-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Guaiene	88-84-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Helichrysum leaf oil (Helichrysum angustifolium)	8023-95-8	When ready for use, the end-use concentration is

Pesticide Chemical	CAS Reg. No.	Limits
		not to exceed 100 ppm
γ-Heptalactone	105-21-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Heptanal	111-71-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Heptanal, 2-(phenlymethylene)-	122-40-7	When ready for use, the end-use concentration is not to exceed 33 ppm
Heptanoic acid	111-14-8	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Heptanol	543-49-7	When ready for use, the end-use concentration is not to exceed 100 ppm
3-Heptanone	106-35-4	When ready for use, the end-use concentration is not to exceed 33 ppm
2-hepten-4-one, 5-methyl-	81925-81-7	When ready for use, the end-use concentration is not to exceed 100 ppm
trans-3-Heptenyl 2-methylpropanoate	67801-45-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Heptyl acetate	112-06-1	When ready for use,

Pesticide Chemical	CAS Reg. No.	Limits
		the end-use concentration is not to exceed 100 ppm
Heptyl alcohol	111-70-6	When ready for use, the end-use concentration is not to exceed 100 ppm
γ-Hexalactone	695-06-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Hexanal	66-25-1	When ready for use, the end-use concentration is not to exceed 100 ppm
2,3-Hexanedione	3848-24-6	When ready for use, the end-use concentration is not to exceed 33 ppm
Hexanoic acid	142-62-1	When ready for use, the end-use concentration is not to exceed 100 ppm
n-Hexanol	111-27-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Hexadecanoic acid	57-10-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Hexadecanoic acid, ethyl ester	628-97-7	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
ω-6-Hexadecenlactone	7779-50-2	When ready for use, the end-use concentration is not to exceed 100 ppm
2,4-Hexadienyl isobutyrate	16491-24-0	When ready for use, the end-use concentration is not to exceed 100 ppm
1-Hexanol, 2-ethyl-	104-76-7	When ready for use, the end-use concentration is not to exceed 33 ppm
1-Hexanol, 3,5,5-trimethyl-	3452-97-9	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Hexenal, (2E)-	6728-26-3	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Hexen-1-ol	2305-21-7	When ready for use, the end-use concentration is not to exceed 100 ppm
3-Hexen-1-ol, (3Z)-	928-96-1	When ready for use, the end-use concentration is not to exceed 100 ppm
(E)-2-Hexen-1-yl acetate	2497-18-9	When ready for use, the end-use concentration is not to exceed 100 ppm
(Z)-3-Hexenol	928-96-1	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
(Z)-3-Hexenol acetate	3681-71-8	When ready for use, the end-use concentration is not to exceed 100 ppm
cis-3-Hexenyl benzoate	25152-85-6	When ready for use, the end-use concentration is not to exceed 100 ppm
cis-3-Hexenyl butyrate	16491-36-4	When ready for use, the end-use concentration is not to exceed 100 ppm
5-(cis-3-Hexenyl)dihydro-5-methyl-2(3H)furanone	70851-61-5	When ready for use, the end-use concentration is not to exceed 100 ppm
cis-3-Hexenyl hexanoate	31501-11-8	When ready for use, the end-use concentration is not to exceed 100 ppm
cis-3-Hexenyl isobutyrate	41519-23-7	When ready for use, the end-use concentration is not to exceed 100 ppm
3-Hexenyl 2-methylbutanoate	10094-41-4	When ready for use, the end-use concentration is not to exceed 100 ppm
cis-3-Hexenyl propionate	33467-74-2	When ready for use, the end-use concentration is not to exceed 100 ppm
cis-3-Hexenyl tiglate	67883-79-8	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
3-Hexenyl formate	9/5/2315	When ready for use, the end-use concentration is not to exceed 100 ppm
Hexyl acetate	142-92-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Hexyl benzoate	6789-88-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Hexyl butyrate	2639-63-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Hexyl hexanoate	6378-65-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Hexyl isobutyrate	2349-07-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Hexyl 2-methylbutanoate	10032-15-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Hexyl octanoate	1117-55-1	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Hexyl propionate	2445-76-3	When ready for use, the end-use concentration is not to exceed 100 ppm
α-Hexylcinnamaldehyde	101-86-0	When ready for use, the end-use concentration is not to exceed 33 ppm
Hydrogen peroxide	7722-84-1	When ready for use, the end-use concentration is not to exceed 91 ppm
4-Hydroxy-2,5-dimethyl-3(2H)-furanone	3658-77-3	When ready for use, the end-use concentration is not to exceed 33 ppm
Hydroxycitronellal	107-75-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Hydroxycitronellal dimethyl acetal	141-92-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Hydroxycitronellol	107-74-4	When ready for use, the end-use concentration is not to exceed 100 ppm
1,4-Bis[[3-[2-(2-hydroxyethoxy)ethoxy]propyl]amino]-9,10-anthracenedione	123944-63-8	When ready for use, the end-use concentration is not to exceed 300 ppm
Hydroxynonanoic acid, δ-lactone	3301-94-8	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
4-(p-hydroxyphenyl)-2-butanone	5471-51-2	When ready for use, the end-use concentration is not to exceed 100 ppm
5-hydroxyundecanoic acid lactone	710-04-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Hypochlorous acid	7790-92-3	When ready for use, the end-use concentration of all hypochlorous acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine.
Hypochlorous acid, sodium salt	7681-52-9	When ready for use, the end-use concentration of all hypochlorous acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine
Hyssop oil (Hyssopus officinalis L.)	8006-83-5	When ready for use, the end-use concentration is not to exceed 100 ppm
1H-Indole	120-72-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Iodine	7553-56-2	When ready for use, the total end-use concentration of all iodide-producing chemicals in the

Pesticide Chemical	CAS Reg. No.	Limits
		solution is not to exceed 25 ppm of titratable iodine
α-Ionone	127-41-3	When ready for use, the end-use concentration is not to exceed 100 ppm
γ-Ionone	79-76-5	When ready for use, the end-use concentration is not to exceed 100 ppm
α-Irone	79-69-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Isoamyl acetate	123-92-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Isoamyl alcohol	123-51-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Isoamyl benzoate	94-46-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Isoamyl butyrate	106-27-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Isoamyl cinnamate	7779-65-9	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Isoamyl isovalerate	659-70-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Isoamyl phenylacetate	102-19-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Isoamyl propionate	105-68-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Isoamyl salicylate	87-20-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Isoborneol	124-76-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Isobornyl acetate	125-12-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Isobutyl acetate	110-19-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Isobutyl angelate	7779-81-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Isobutyl benzoate	120-50-3	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
Isobutyl 2-butenoate	589-66-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Isobutyl butyrate	539-90-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Isobutyl cinnamate	122-67-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Isobutyl isobutyrate	97-85-8	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Isobutyl-3-methoxypyrazine	24683-00-9	When ready for use, the end-use concentration is not to exceed 33 ppm
2-Isobutyl-2-methyl-1,3-dioxolane-4-methanol	5660-53-7	
Isobutyl phenylacetate	102-13-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Isobutyl salicylate	87-19-4	When ready for use, the end-use concentration is not to exceed 100 ppm
α-Isobutylphenethyl alcohol	7779-78-4	When ready for use, the end-use concentration is not to exceed 33 ppm
Isobutyraldehyde	78-84-2	When ready for use,

Pesticide Chemical	CAS Reg. No.	Limits
		the end-use concentration is not to exceed 100 ppm
Isobutyric acid	79-31-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Isoeugenol	97-54-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Isoeugenyl acetate	93-29-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Isojasmone	11050-62-7	When ready for use, the end-use concentration is not to exceed 33 ppm
d,l-Isomenthone	491-07-6	When ready for use, the end-use concentration is not to exceed 33 ppm
iso-Methyl-β-ionone	79-89-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Isopropyl acetate	108-21-4	When ready for use, the end-use concentration is not to exceed 100 ppm
p-Isopropylacetophenone	645-13-6	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
p-Isopropylbenzyl alcohol	536-60-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Isopropyl-3-hydroxybutyrate	54074-94-1	Solvent
Isopropyl 2-methylbutyrate	66576-71-4	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Isopropyl-4-methylthiazole	15679-13-7	When ready for use, the end-use concentration is not to exceed 33 ppm
2-Isopropylphenol	88-69-7	When ready for use, the end-use concentration is not to exceed 100 ppm
p-Isopropyl phenylacetaldehyde	4395-92-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Isopulegol	89-79-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Isovaleric acid	503-74-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Jasmine lactone	25524-95-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Jasmine oil (*Jasminum grandiflorum* L.)	8022-96-6	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
Juniper oil (*Juniperus communis* L.)	8002-68-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Labdanum oil (Cistus spp.)	8016-26-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Lactic acid (including l-lactic acid)	50-21-5, 79-33-4	When ready for use, the end-use concentration is not to exceed 10,000 ppm in antimicrobial formulations applied to food-contact surfaces in public eating places
laevo-Bornyl acetate	5655-61-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Lauryl acetate	112-66-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Lauric acid	143-07-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Lauric aldehyde	112-54-9	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Lauryl alcohol	112-53-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Lavandin oil (*Lavandula hybrida*)	8022-15-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Levulinic acid	123-76-2	When ready for use, the end-use concentration is not to exceed 100 ppm
d-Limonene	5989-27-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Linalool	78-70-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Linalool acetate	115-95-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Linalool oxide	60047-17-8	When ready for use, the end-use concentration is not to exceed 33 ppm
(E)-Linalool oxide	34995-77-2	When ready for use, the end-use concentration is not to exceed 33 ppm
(Z)-Linalool oxide	5989-33-3	When ready for use, the end-use concentration is not to exceed 33

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
Linalyl acetate	115-95-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Linalyl benzoate	126-64-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Linalyl cinnamate	78-37-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Linalyl formate	115-99-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Linalyl hexanoate	7779-23-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Linalyl isobutyrate	78-35-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Linalyl isovalerate	1118-27-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Linalyl propionate	144-39-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Linoleic acid, methyl ester	112-63-0	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
Lipase, triacylglycerol	9001-62-1	When ready for use, the end-use concentration is not to exceed 500 ppm
Lovage oil (Levisticum officinale Koch)	8016-31-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Mace oil (Myristica fragrans Houtt.)	8007-12-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Magnesium oxide	1309-48-4	None
Magnesium sulfate anhydrous	7487-88-9	When ready for use, the end-use concentration is not to exceed 4400 ppm
Magnesium sulfate heptahydrate	10034-99-8	When ready for use, the end-use concentration is not to exceed 4400 ppm
Magnesium sulfate hexahydrate	7830-18-1	When ready for use, the end-use concentration is not to exceed 4400 ppm
Magnesium sulfate monohydrate	14168-73-1	When ready for use, the end-use concentration is not to exceed 4400 ppm
Magnesium sulfate pentahydrate	5553-21-6	When ready for use, the end-use concentration is not to exceed 4400

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
Magnesium sulfate tetrahydrate	24378-31-2	When ready for use, the end-use concentration is not to exceed 4400 ppm
Magnesium sulfate trihydrate	15320-30-6	When ready for use, the end-use concentration is not to exceed 4400 ppm
Maltyl isobutyrate	65416-14-0	When ready for use, the end-use concentration is not to exceed 33 ppm
p-Mentha-1,8-dien-7-ol	536-59-4	When ready for use, the end-use concentration is not to exceed 100 ppm
p-Mentha-1,8-dien-7-yl acetate	15111-96-3	When ready for use, the end-use concentration is not to exceed 100 ppm
p-Mentha-8-thiol-3-one	38462-22-5	When ready for use, the end-use concentration is not to exceed 33 ppm
p-Menthan-3-one	10458-14-7	When ready for use, the end-use concentration is not to exceed 33 ppm
p-Menthane, 1,8-epoxy-	470-82-6	When ready for use, the end-use concentration is not to exceed 33 ppm
1-p-Menthene-8-thiol	71159-90-5	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 33 ppm
Menthol	15356-70-4; 89-78-1; 1490-04-6	When ready for use, the end-use concentration is not to exceed 100 ppm
4-Mercapto-4-methyl-2-pentanone	19872-52-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Methane sulfonic acid	75-75-2	When ready for use, the end use concentration is not to exceed 5,000 ppm
1H-3a,7-Methanoazulen-6-ol, octahydro-3,6,8,8-tetramethyl-,[3R-(3.α,3a.β,6.α,7.β,8aα)]	77-53-2	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Methoxy-3-(1-methylpropyl)pyrazine	24168-70-5	When ready for use, the end-use concentration is not to exceed 33 ppm
2-methoxy-4-propylphenol	2785-87-7	When ready for use, the end-use concentration is not to exceed 100 ppm
4-Methoxy-2-methyl-2-butanethiol	94087-83-9	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Methoxy-4-methylphenol	93-51-6	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
4-(p-Methoxyphenyl)-2-butanone	104-20-1	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Methoxy-4-vinylphenol	7786-61-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Methylene blue	61-73-4	When ready for use, the end-use concentration is not to exceed 0.4 ppm
Methyl-α-ionone	127-42-4	When ready for use, the end-use concentration is not to exceed 100 ppm
4'-methylacetophenone	122-00-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl n-amyl ketone	110-43-0	When ready for use, the end-use concentration is not to exceed 33 ppm
Methyl anthranilate	134-20-3	When ready for use, the end-use concentration is not to exceed 100 ppm
alpha-methylbenzyl alcohol	98-85-1	When ready for use, the end-use concentration is not to exceed 100 ppm
methyl benzoate	93-58-3	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
3-Methyl-2-butenyl acetate	1191-16-8	When ready for use, the end-use concentration is not to exceed 100 ppm
alpha-methylcinnamaldehyde	101-39-3	When ready for use, the end-use concentration is not to exceed 100 ppm
methyl cinnamate	103-26-4	When ready for use, the end-use concentration is not to exceed 100 ppm
3-Methyl-1-cyclopentadecanone	541-91-3	When ready for use, the end-use concentration is not to exceed 33 ppm
Methylcyclopentenolone	80-71-7	When ready for use, the end-use concentration is not to exceed 33 ppm
3-Methylcrotonic acid	541-47-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl 3,7-dimethyl-6-octenoate	2270-60-2	When ready for use, the end-use concentration is not to exceed 100 ppm
6-Methyl-3,5-heptadien-2-one	1604-28-0	When ready for use, the end-use concentration is not to exceed 33 ppm
6-Methyl-5-hepten-2-one	110-93-0	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 33 ppm
Methyl heptine carbonate	111-12-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl hexanoate	106-70-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl linolenate	301-00-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl 2-methylbutyrate	868-57-5	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Methyl-3-(p-isopropylphenyl)propionaldehyde	103-95-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl N-acetylanthranilate	2719-08-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl anisate	121-98-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl N-methylanthranilate	85-91-6	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Methyl 2-nonenoate	111-79-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl 2-nonynoate	111-80-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl 3-nonenoate	13481-87-3	When ready for use, the end-use concentration is not to exceed 100 ppm
3-Methyl-2-(n-pentanyl)-2-cyclopenten-1-one	1128-08-1	When ready for use, the end-use concentration is not to exceed 33 ppm
3-Methyl-2-(2E)-2-penten-1-yl-2-cyclopenten-1-one	6261-18-3	When ready for use, the end-use concentration is not to exceed 33 ppm
3-Methyl-2-(2-pentenyl)-2-cyclopenten-1-one, (Z)-	488-10-8	When ready for use, the end-use concentration is not to exceed 33 ppm
Methyl phenethyl ether	3558-60-9	When ready for use, the end-use concentration is not to exceed 33 ppm
2-Methyl-4-phenyl-2-butanol	103-05-9	When ready for use, the end-use concentration is not to exceed 100 ppm
5-Methyl-2-phenyl-2-hexenal	21834-92-4	When ready for use, the end-use concentration is not to exceed 33

Pesticide Chemical	CAS Reg. No.	Limits
		ppm.
p-Methylanisole	104-93-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Methylbenzyl acetate (mixed o,m,p)	360676-70-1; 2216-45-7; 17373-93-2	When ready for use, the end-use concentration is not to exceed 100 ppm
α-Methylbenzyl propionate	120-45-6	When ready for use, the end-use concentration is not to exceed 100 ppm
3-Methyl-2-butenyl benzoate	5205-11-8	When ready for use, the end-use concentration is not to exceed 100 ppm
3-Methylindole	83-34-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl-α-ionone	127-42-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl-β-ionone	127-43-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl o-methoxybenzoate	606-45-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl 3-methylthiopropionate	13532-18-8	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
2-Methyloctanal	7786-29-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl octanoate	111-11-5	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Methylpent-2-en-1-oic acid	3142-72-1	When ready for use, the end-use concentration is not to exceed 100 ppm
β-Methylphenethyl alcohol	1123-85-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl phenylacetate	101-41-7	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Methyl-4-phenyl-2-butyl acetate	103-07-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl n-propyl ketone	107-87-9	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Methyl-4-propyl-1,3-oxathiane	67715-80-4	When ready for use, the end-use concentration is not to exceed 33 ppm

Pesticide Chemical	CAS Reg. No.	Limits
2-Methylpyrazine	109-08-0	When ready for use, the end-use concentration is not to exceed 33 ppm
methyl salicylate	119-36-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl sulfide	75-18-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Methyl tetradecanoate	124-10-7	When ready for use, the end-use concentration is not to exceed 100 ppm
5-Methyl-2-thiophenecarboxyaldehyde	13679-70-4	When ready for use, the end-use concentration is not to exceed 33 ppm
2-Methyl-trans-2-butenoic acid	80-59-1	When ready for use, the end-use concentration is not to exceed 100 ppm
3-Methyl-5-(2,2,3-trimethyl-3-cyclopenten-1-yl)pent-4-en-2-ol	67801-20-1	When ready for use, the end-use concentration is not to exceed 33 ppm
Methyl undec-10-enoate	111-81-9	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Methylundecanal	110-41-8	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
2-Methyl-1,3-propanediol	2163-42-0	None
Musk ambrette	123-69-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Myristaldehyde	124-25-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Myristic acid	544-63-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Nerol oxide	1786-08-9	When ready for use, the end-use concentration is not to exceed 33 ppm
Nerolidiol	142-50-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Neroli bigarde oil (*Citrus aurantium* L.)	8016-38-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Nerolidol (isomer unspecified)	7212-44-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Neryl acetate	141-12-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Neryl formate	2142-94-1	When ready for use,

Pesticide Chemical	CAS Reg. No.	Limits
		the end-use concentration is not to exceed 100 ppm
Nitric acid	7697-37-2	When ready for use, the end-use concentration is not to exceed 1,000 ppm
Nona-2-trans-6-cis-dienal	557-48-2	When ready for use, the end-use concentration is not to exceed 100 ppm
2,6-Nonadien-1-ol	7786-44-9	When ready for use, the end-use concentration is not to exceed 100 ppm
2,6-Nonadienal diethyl acetal	67674-36-6	When ready for use, the end-use concentration is not to exceed 100 ppm
1,3-Nonanediol acetate (mixed esters)	1322-17-4	When ready for use, the end-use concentration is not to exceed 100 ppm
γ-Nonalactone	104-61-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Nonanal	124-19-6	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Nonanone	821-55-6	When ready for use, the end-use concentration is not to exceed 33 ppm

Pesticide Chemical	CAS Reg. No.	Limits
6-nonenal, (6Z)-	2277-19-2	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Nonenal	2463-53-8	When ready for use, the end-use concentration is not to exceed 100 ppm
cis-6-nonen-1-ol	35854-86-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Nonyl acetate	143-13-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Nonyl alcohol	143-08-8	When ready for use, the end-use concentration is not to exceed 100 ppm
α-(p-Nonylphenyl)-ω-hydroxypoly (oxyethylene) average poly(oxyethylene) content 11 moles)	None	None
Nootkatone	4674-50-4	When ready for use, the end-use concentration is not to exceed 33 ppm
Octadecanoic acid	57-11-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Octadecanoic acid, calcium salt	1592-23-0	None
1-octadecanol	112-92-5	
9-Octadecenoic acid (9*Z*)-, sulfonated, oxidized	1315321-93-7	When ready for use, the end-use concentration is not to exceed 250

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
9-Octadecenoic acid (9*Z*)-, sulfonated, oxidized, potassium salts	1315321-94-8	When ready for use, the end-use concentration is not to exceed 250 ppm
9-Octadecenoic acid (9*Z*)-, sulfonated, oxidized, sodium salts	1315321-95-9	When ready for use, the end-use concentration is not to exceed 250 ppm
2,6-Octadien-1-ol, 3,7-dimethyl-,(Z)-	106-25-2	When ready for use, the end-use concentration is not to exceed 100 ppm
γ-Octalactone	104-50-7	When ready for use, the end-use concentration is not to exceed 100 ppm
δ-Octalactone	698-76-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Octanal	124-13-0	When ready for use, the end-use concentration is not to exceed 100 ppm
octanal dimethyl acetal	10022-28-3	When ready for use, the end-use concentration is not to exceed 100 ppm
1-Octanesulfonic acid, sodium salt	5324-84-5	When ready for use, the end-use concentration is not to exceed 46 ppm
1-Octanol	111-87-5	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
2-Octanone	111-13-7	When ready for use, the end-use concentration is not to exceed 33 ppm
2,5,7-Octatrien-1-ol, 2,6-dimethyl0, 1-acetate	197098-61-6	When ready for use, the end-use concentration is not to exceed 100 ppm
1-Octen-3-ol	3391-86-4	When ready for use, the end-use concentration is not to exceed 33 ppm
5-Octen-1-ol, (5Z)-	64275-73-6	When ready for use, the end-use concentration is not to exceed 100 ppm
1-Octen-3-yl acetate	2442-10-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Oil of Bergamot	8007-75-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Oil of camphor	8008-51-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Oil of citronella	8000-29-1	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Oil of orange	8008-57-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Oils, clove	8000-34-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Oils, Fir	8021-29-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Oils, geranium	8000-46-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Oils, ginger	8007-08-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Oils, grapefruit	8016-20-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Oils, lavender	8000-28-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Oils, lemon, terpene-free	68648-39-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Oil of lemon	8008-56-8	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
Oil of lemongrass	8007-02-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Oils, lime	8008-26-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Oils, mimosa	8031-03-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Oils, orange, sweet, terpene-free	68606-94-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Oils, palmarosa	8014-19-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Oils, peppermint	8006-90-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Oils, rosemary	8000-25-7	When ready for use, the end-use concentration is not to exceed 33 ppm
Oils, sage	8022-56-8	When ready for use, the end-use concentration is not to exceed 33 ppm
Oils, spruce	8008-80-8	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
Oils, thyme	8007-46-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Oleic acid	112-80-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Oleic acid, ethyl ester	111-62-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Oleyl alcohol	143-28-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Olibanum oil (Boswellia spp.)	8016-36-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Orange flower water absolute	8030-28-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Origanum oil, Spanish	8007-11-2	When ready for use, the end-use concentration is not to exceed 33 ppm
Orris absolute (*Iris pallida*)	8002-73-1	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Ortho-benzyl-para-chlorophenol	120-32-1	When ready for use, the end-use concentration is not to exceed 2080 ppm
7-Oxabicyclo(2.2.1.)heptane, 1-methyl-4-(1-methylethyl)-	470-67-7	When ready for use, the end-use concentration is not to exceed 33 ppm
Oxacycloheptadec-10-ene-2-one	28645-51-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Oxirane, methyl-, polymer with oxirane, minimum molecular weight (in amu), 1900	9003-11-6	None
Palmitic acid	57-10-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Paraffin waxes and hydrocarbon waxes; carboxypolymethylene resin; and paraffin waxes and hydrocarbon, oxidized, lithium salts	8002-74-2; 68153-22-0; 68649-48-9	
Pelargonic (nonanoic) acid	112-05-0	None
ω-Pentadecalactone	106-02-5	When ready for use, the end-use concentration is not to exceed 100 ppm
1-pentanol	71-41-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Pepper, black, oil (*Piper nigrum* L.)	8006-82-4	When ready for use, the end-use concentration is not to exceed 100 ppm
peppermint (*Mentha piperita*) ext.	84082-70-2	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
Peroxyacetic acid	79-21-0	When ready for use, the end-use concentration is not to exceed 58 ppm
Peroxyoctanoic acid	33734-57-5	When ready for use, the end-use concentration is not to exceed 52 ppm
Petitgrain bigarade oil	8014-17-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Petitgrain Paraguay oil	8014-17-3	When ready for use, the end-use concentration is not to exceed 100 ppm
α-Phellandrene	99-83-2	When ready for use, the end-use concentration is not to exceed 100 ppm
phenethyl acetate	103-45-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Phenethyl butyrate	103-52-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Phenethyl cinnamate	103-53-7	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Phenethyl formate	104-62-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Phenethyl hexanoate	6290-37-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Phenethyl propionate	122-70-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Phenethyl salicylate	87-22-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Phenethyl tiglate	55719-85-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Phenol, 2-methoxy-4-(2-propenyl)-	97-53-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Phenol, 2,4,6-trimethyl-	527-60-6	When ready for use, the end-use concentration is not to exceed 100 ppm
phenyl ethyl alcohol	60-12-8	When ready for use, the end-use concentration is not to exceed 100 ppm
phenethyl isobutyrate	103-48-0	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
phenethyl phenylacetate	102-20-5	When ready for use, the end-use concentration is not to exceed 100 ppm
phenylacetaldehyde dimethyl acetal	101-48-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Phenylacetaldehyde glyceryl acetal	29895-73-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Phenylacetic acid	103-82-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Phenylethyl isoamyl ether	56011-02-0	When ready for use, the end-use concentration is not to exceed 33 ppm
2-phenylethyl 2-methylbutyrate	24817-51-4	When ready for use, the end-use concentration is not to exceed 100 ppm
3-Phenylpropionaldehyde	104-53-0	When ready for use, the end-use concentration is not to exceed 100 ppm
3-Phenylpropionic acid	501-52-0	When ready for use, the end-use concentration is not to exceed 100 ppm
3-Phenylpropyl acetate	122-72-5	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
3-Phenylpropyl cinnamate	122-68-9	When ready for use, the end-use concentration is not to exceed 100 ppm
3-phenyl-1-propanol	122-97-4	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Phenylpropionaldehyde	93-53-8	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Phenylpropionaldehyde dimethyl acetal	90-87-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Phosphonic acid, (1-hydroxyethylidene)bis-	2809-21-4	When ready for use, the end-use concentration is not to exceed 14 ppm
Phosphoric acid	7664-38-2	
Phosphoric acid, trisodium salt	7601-54-9	When ready for use, the end-use concentration is not to exceed 5916 ppm
Pine needle oil	8000-26-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Pine scotch oil (*Pinus sylvestris* L.)	8023-99-2	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
α-Pinene	80-56-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Piperonyl acetate	326-61-4	When ready for use, the end-use concentration is not to exceed 33 ppm
Polyammonium bisulfate	10043-02-4	When ready for use, the end-use concentration is not to exceed 250 ppm
Potassium 2-benzyl-4-chlorophenate	35471-49-9	When ready for use, the end-use concentration is not to exceed 2080 ppm
Potassium bromide	7758-02-3	When ready for use, the end-use concentration is not to exceed 46 ppm total available halogen
Potassium iodide	7681-11-0	When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine
1,3-Propanediol	504-63-2	None
propanoic acid, 2-methyl-, 4-formyl-2-methoxyphenyl ester	20665-85-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Propanoic acid	79-09-4	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 100 ppm
Propenylguaethol	94-86-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Propionic acid	79-09-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Propyl phenethyl acetal	7493-57-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Propylene glycol	57-55-6	None
α-Propylphenethyl alcohol	705-73-7	When ready for use, the end-use concentration is not to exceed 100 ppm
o-Propylphenol	644-35-9	When ready for use, the end-use concentration is not to exceed 100 ppm
p-Propylphenol	645-56-7	When ready for use, the end-use concentration is not to exceed 100 ppm
4H-Pyran-4-one, 3-hydroxy-2-methyl-	118-71-8	When ready for use, the end-use concentration is not to exceed 33 ppm
2,6-Pyridinedicarboxylic acid	499-83-2	When ready for use, the end-use concentration is not to exceed 2

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
Pyruvic acid	127-17-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Quaternary ammonium compounds, alkyl (C_{12}-C_{18}) benzyldimethyl, chlorides	8001-54-5	When ready for use, the end-use concentration of all quaternary chemicals in the solution is not to exceed 200 ppm of active quaternary compound
Quaternary ammonium compounds: n-alkyl (C_{12-18}) dimethyl benzyl ammonium chloride	68424-85-1	When ready for use, the end-use concentration of all quaternary chemicals in solution is not to exceed 400 ppm of active quaternary compound
Quaternary Ammonium Compounds: n-alkyl (C_{12-14}) dimethyl ethylbenzyl ammonium chloride, average molecular weight (in amu), 377 to 384	85409-23-0	When ready for use, the end-use concentration of all quaternary chemicals in solution is not to exceed 400 ppm of active quaternary compound
Quaternary ammonium compounds n-alkyl (C_{12}-C_{18}) dimethyl ethylbenzyl ammonium chloride average molecular weight (in amu) 384	None	When ready for use, the end-use concentration of all quaternary chemicals in the solution is not to exceed 200 ppm of active quaternary compound
Quaternary ammonium compounds, Di-n-Alkyl (C_{8-10}) dimethyl ammonium chloride, average molecular weight (in amu) 332 to 361	None	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration of these specific in quaternary ammonium compounds is not to exceed 240 ppm of active quaternary ammonium compound; the end-use concentration of all quaternary chemicals in the solution is not to exceed 400 ppm of active quaternary compound
Quaternary ammonium compounds, didecyl dimethyl ammonium carbonate/didecyl dimethyl ammonium bicarbonate	148788-55-0/ 148812-654-1	When ready for use, the end-use concentration of these specific ammonium compounds is not to exceed 400 ppm of active quaternary ammonium compound
Rose absolute (*Rosa* spp.)	8007-01-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Rue oil (Ruta graveolens L.)	8014-29-7	When ready for use, the end-use concentration is not to exceed 33 ppm
Salicylaldehyde	90-02-8	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Sandalwood yellow oil (Santalum album L.)	8006-87-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Santalol	11031-45-1	When ready for use, the end-use concentration is not to exceed 100 ppm
cis-α-Santalol	115-71-9	When ready for use, the end-use concentration is not to exceed 100 ppm
cis-β-Santalol	77-42-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Schinus molle oil (*Schinus molle* L.)	68917-52-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Sclareol	515-03-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Silver ions resulting from the use of electrolytically-generated silver ions stabilized in citric acid as silver dihydrogen citrate (does not include metallic silver)	14701-21-4	When ready for use, the end-use concentration of silver ions is not to exceed 50 ppm of active silver
Sodium 2-benzyl-4-chlorophenate	3184-65-4	When ready for use, the end-use concentration is not to exceed 2080 ppm
Sodium bisulfate	7681-38-1	When ready for use, the end-use concentration is

Pesticide Chemical	CAS Reg. No.	Limits
		not to exceed 2,000 ppm
Sodium dioctyl sulfosuccinate	577-11-7	None
Sodium lauroyl sarcosinate	137-16-6	When ready for use, the end-use concentration is not to exceed 10,000 ppm
Sorbitan, mono-9-octadecenoate, poly(oxy-1,2-ethanediyl) derivs., (Z)-	9005-65-6	None
Spike lavender oil (Lavandula spp.)	8016-78-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Stearic acid	57-11-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Storax (*Liquidambar* spp.)	8046-19-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Sulfuric acid	7664-93-9	Food-contact surfaces in public eating places, dairy-processing equipment, and food-processing equipment and utensils in antimicrobial formulations. Not to exceed 600 ppm
Sulfuric acid monododecyl ester, sodium salt (sodium lauryl sulfate)	151-21-3	When ready for use, the end-use concentration is not to exceed 350 ppm
Tagetes oil (*Tagetes erecta* L.)	8016-84-0	When ready for use, the end-use concentration is

Pesticide Chemical	CAS Reg. No.	Limits
		not to exceed 100 ppm
Tall oil fatty acid (CAS Reg. No. 61790-12-3)		Solvent/carrier
Tangerine oil (Citrus reticulata blanco)	8008-31-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Tartaric acid	87-69-4	When ready for use, the end-use concentration is not to exceed 100 ppm
DL-Tartaric acid	133-37-9	When ready for use, the end-use concentration is not to exceed 100 ppm
α-Terpinene	99-86-5	When ready for use, the end-use concentration is not to exceed 100 ppm
γ-Terpinene	99-85-4	When ready for use, the end-use concentration is not to exceed 100 ppm
α-Terpineol	98-55-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Terpinyl acetate (isomer mixture)	8007-35-0	When ready for use, the end-use concentration is not to exceed 100 ppm
1-tetradecanol	112-72-1	
α-Terpinyl propionate	80-27-3	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
Tetraacetylethylenediamine (TAED)	10543-57-4	None
Tetradecanoic acid, ethyl ester	124-06-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Tetradecanoic acid, 1-methylethyl ester	110-27-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Tetrahydrogeranial	5988-91-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Tetrahydrolinalool	78-69-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Tetrahydro-4-methyl-2-(2-methylpropen-1-yl)pyran	16409-43-1	When ready for use, the end-use concentration is not to exceed 33 ppm
Tetrahydro-6-(3-pentenyl)-2H-pyran-2-one	32764-98-0	When ready for use, the end-use concentration is not to exceed 33 ppm
Theaspirane	36431-72-8	When ready for use, the end-use concentration is not to exceed 33 ppm
Thiogeraniol	39067-80-6	When ready for use, the end-use concentration is not to exceed 100 ppm
thymol (8CA)	89-83-8	When ready for use,

Pesticide Chemical	CAS Reg. No.	Limits
		the end-use concentration is not to exceed 100 ppm
Thyme (*Thymus Vulgaris*) Oil	84929-51-1	When ready for use, the end-use concentration is not to exceed 100 ppm
Tolu, balsam, gum (*Myroxylon* spp.)	9000-64-0	When ready for use, the end-use concentration is not to exceed 100 ppm
p-Tolylacetaldehyde	104-09-6	When ready for use, the end-use concentration is not to exceed 100 ppm
p-Tolyl acetate	140-39-6	When ready for use, the end-use concentration is not to exceed 100 ppm
p-Tolyl isobutyrate	103-93-5	When ready for use, the end-use concentration is not to exceed 100 ppm
p-Tolyl 3-methylbutyrate	55066-56-3	When ready for use, the end-use concentration is not to exceed 100 ppm
p-Tolyl octanoate	59558-23-5	When ready for use, the end-use concentration is not to exceed 100 ppm
p-Tolyl phenylacetate	101-94-0	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
2-(p-Tolyl)propionaldehyde	99-72-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Trans-1,3,3,3-tetrafluoroprop-1-ene	29118-24-9	None
1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt	2893-78-9	When ready for use, the end-use concentration of all di- or trichloroisocyanuric acid chemicals in the solution is not to exceed 100 ppm determined as total available chlorine
2-Tridecanal	7774-82-5	When ready for use, the end-use concentration is not to exceed 100 ppm
2-Tridecanone	593-08-8	When ready for use, the end-use concentration is not to exceed 33 ppm
triethyl citrate	77-93-0	When ready for use, the end-use concentration is not to exceed 100 ppm
Triethylene glycol	112-27-6	None
p-α,α-Trimethylbenzyl alcohol	1197-01-9	When ready for use, the end-use concentration is not to exceed 100 ppm
2,6,6-Trimethyl-1-cyclohexen-1-acetaldehyde	472-66-2	When ready for use, the end-use concentration is not to exceed 100 ppm
2,6,6-Trimethyl-1&2-cyclohexen-1-carboxaldehyde	432-25-7	When ready for use,

Pesticide Chemical	CAS Reg. No.	Limits
		the end-use concentration is not to exceed 100 ppm
1,3,3-trimethyl-2-norbornanyl acetate	13851-11-1	When ready for use, the end-use concentration is not to exceed 100 ppm
3,3,5-Trimethylcyclohexanol	116-02-9	When ready for use, the end-use concentration is not to exceed 100 ppm
(Z)-β-1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-2-buten-1-one; (2E)-1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-2-buten-1-one	35044-68-9; 23726-92-3; 23726-91-2	When ready for use, the end-use concentration is not to exceed 100 ppm
2,3,6-Trimethylphenol	2416-94-6	When ready for use, the end-use concentration is not to exceed 100 ppm
4,7,7-Trimethyl-6-thiabicyclo[3.2.1]octane	68398-18-5	When ready for use, the end-use concentration is not to exceed 100 ppm
delta-1-(2,6,6-trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	57378-68-4	When ready for use, the end-use concentration is not to exceed 100 ppm
3,5,5-Trimethylhexanal	5435-64-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Turpentine, oil	8006-64-2	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
γ-Undecalactone	104-67-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Undecanal	112-44-7	When ready for use, the end-use concentration is not to exceed 100 ppm
1-undecanol	112-42-5	Carrier/Adjuvant and Coating Agent/ Binder
2-Undecanone	112-12-9	When ready for use, the end-use concentration is not to exceed 33 ppm
1,3,5-Undecatriene	16356-11-9	When ready for use, the end-use concentration is not to exceed 100 ppm
9-Undecenal	143-14-6	When ready for use, the end-use concentration is not to exceed 100 ppm
10-Undecenal	112-45-8	When ready for use, the end-use concentration is not to exceed 100 ppm
10-Undecenoic acid	112-38-9	When ready for use, the end-use concentration is not to exceed 100 ppm
10-Undecenoic acid, ethyl ester	692-86-4	When ready for use, the end-use concentration is not to exceed 100 ppm

Pesticide Chemical	CAS Reg. No.	Limits
10-undecen-1-yl acetate	112-19-6	When ready for use, the end-use concentration is not to exceed 100 ppm
Undecyl alcohol	112-42-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Valencene	4630-07-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Valeraldehyde	110-62-3	When ready for use, the end-use concentration is not to exceed 100 ppm
Valeric acid	109-52-4	When ready for use, the end-use concentration is not to exceed 100 ppm
γ-Valerolactone	108-29-2	When ready for use, the end-use concentration is not to exceed 100 ppm
Vanilla (*Vanilla* spp.)	8024-06-4	When ready for use, the end-use concentration is not to exceed 100 ppm
Vanilla extract (*Vanilla* spp.)	84650-63-5	When ready for use, the end-use concentration is not to exceed 100 ppm
Vanilla tahitensis, ext.	94167-14-3	When ready for use, the end-use concentration is not to exceed 100

Pesticide Chemical	CAS Reg. No.	Limits
		ppm
Vanillin	121-33-5	When ready for use, the end-use concentration is not to exceed 100 ppm
veratraldehyde	120-14-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Violet leaves absolute (Viola odorata L.)	90147-36-7	When ready for use, the end-use concentration is not to exceed 100 ppm
Waxes and waxy substances, rice bran, oxidized	1883583-80-9	None
Wintergreen oil	68917-75-9	When ready for use, the end-use concentration is not to exceed 100 ppm
Xylenesulfonic acid, sodium salt	1300-72-7	When ready for use, the end-use concentration is not to exceed 500 ppm
2,5-Xylenol	95-87-4	When ready for use, the end-use concentration is not to exceed 100 ppm
2,6-Xylenol	576-26-1	When ready for use, the end-use concentration is not to exceed 100 ppm
3,4-Xylenol	95-65-8	When ready for use, the end-use concentration is not to exceed 100 ppm
Ylang-ylang oils	8006-81-3	When ready for use,

Pesticide Chemical	CAS Reg. No.	Limits
		the end-use concentration is not to exceed 100 ppm
Zingerone	122-48-5	When ready for use, the end-use concentration is not to exceed 100 ppm

(b) The following chemical substances when used as ingredients in an antimicrobial pesticide formulation may be applied to: Dairy processing equipment, and food-processing equipment and utensils.

TABLE 2 TO PARAGRAPH (b)

Pesticide Chemical	CAS Reg. No.	Limits
Acetic acid	64-19-7	When ready for use, the end-use concentration is not to exceed 1200 ppm
Acetic acid, chloro-, sodium salt, reaction products with 4,5-dihydro-2-undecyl-1H-imidazole-1-ethanol and sodium hydroxide	68608-66-2	When ready for use, the end-use concentration is not to exceed 42 ppm chloroacetic acid
Butanedioic acid, octenyl-	28805-58-5	When ready for use, the end-use concentration is not to exceed 156 ppm
Butoxy monoether of mixed (ethylene-propylene) polyalkylene glycol, minimum average molecular weight (in amu), 2400	None	None
Calcium chloride	10043-52-4	When ready for use, the end-use concentration is not to exceed 17 ppm
n-Carboxylic acids (C_6-C_{12}), consisting of a mixture of not less than 56% octanoic acid and not less than 40% decanoic acid	None	When ready for use, the end-use concentration is not to exceed 39 ppm

Pesticide Chemical	CAS Reg. No.	Limits
Ethanesulfonic acid, 2-[cyclohexyl (1-oxohexadecyl) amino]-, sodium salt	132-43-4	When ready for use, the end-use concentration is not to exceed 237 ppm
Ethylenediaminetetraacetic acid (EDTA), disodium salt	139-33-3	When ready for use, the end-use concentration is not to exceed 1400 ppm
FD&C Yellow No. 5 (Tartrazine) (conforming to 21 CFR 74.705)	1934-21-0	None
C_1-C_4 linear and branched chain alkyl d-glucitol dianhydro alkyl ethers cluster	5306-85-4; 30915-81-2; 107644-13-3; 103594-41-8; 103594-42-9	When ready for use, the end-use concentration is not to exceed 1,000 ppm
D-glucitol, 1,4:3,6-dianhydro-2,5-di-O-(1-methylpropyl)-,	None	
D-glucitol, 1,4:3,6-dianhydro-2,5-di-O-(2-methylpropyl)-, (CAS Reg. No. not assigned)	None	
D-Gluconic acid, monosodium salt	527-07-1	When ready for use, the end-use concentration is not to exceed 760 ppm
Hydriodic acid	10034-85-2	When ready for use, the total end-use concentration of all iodide-producing chemicals is not to exceed 25 ppm of titratable iodine
Hydrogen peroxide	7722-84-1	When ready for use, the end-use concentration is not to exceed 465 ppm
Iodine	7553-56-2	When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine
1-Octanamine, N,N-dimethyl-	7378-99-6	When ready for use, the end-use concentration is not to exceed 113 ppm
1,2-Octanedisulfonic acid	113669-58-2	When ready for use, the end-use concentration is not to exceed 102 ppm
1-Octanesulfonic acid	3944-72-7	When ready for use, the end-use concentration is not to exceed 172 ppm
1-Octanesulfonic acid, sodium salt	5324-84-5	When ready for use, the end-use concentration is not to exceed 297 ppm
1-Octanesulfonic acid, 2-sulfino-	113652-56-5	When ready for use, the end-use concentration is not to exceed 102 ppm
Oxychloro species	None	When ready for use, the end-use concentration is not

Pesticide Chemical	CAS Reg. No.	Limits
(including chlorine dioxide) generated by acidification of an aqueous solution of sodium chlorite		to exceed 200 ppm of chlorine dioxide as determined by the method titled, Iodometric Method for the Determination of Available Chlorine Dioxide (50-250 ppm available chlorine dioxide)
Peroxyacetic acid	79-21-0	When ready for use, the end-use concentration is not to exceed 315 ppm
Peroxyoctanoic acid	33734-57-5	When ready for use, the end-use concentration is not to exceed 122 ppm
Phosphonic acid, (1-hydroxyethylidene)bis-	2809-21-4	When ready for use, the end-use concentration is not to exceed 34 ppm
Phosphoric acid	7664-38-2	None
Phosphoric acid, monosodium salt	7558-80-7	When ready for use, the end-use concentration is not to exceed 350 ppm
Potassium iodide	7681-11-0	When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine
Propanoic acid	79-09-4	When ready for use, the end-use concentration is not to exceed 297 ppm
Sulfuric acid monododecyl ester, sodium salt (sodium lauryl sulfate)	151-21-3	When ready for use, the end-use concentration is not to exceed 350 ppm

(c) The following chemical substances when used as ingredients in an antimicrobial pesticide formulation may be applied to: Food-processing equipment and utensils.

TABLE 3 TO PARAGRAPH (c)

Pesticide Chemical	CAS Reg. No.	Limits
Acetic acid	64-19-7	When ready for use, the end-use concentration is not to exceed 1,200 ppm
Acetic acid, chloro-, sodium salt, reaction products with 4,5-dihydro-2-undecyl-1H-imidazole-1-ethanol and sodium hydroxide	68608-66-2	When ready for use, the end-use concentration is not to exceed 42 ppm chloroacetic acid
Ammonium chloride	12125-02-9	When ready for use, the end-use concentration is not to exceed 48 ppm

Pesticide Chemical	CAS Reg. No.	Limits
[1,1'-Biphenyl]-2-ol	90-43-7	When ready for use, the end-use concentration is not to exceed 400 ppm
Boric acid, sodium salt	7775-19-1	None
Butanedioic acid, octenyl-	28805-58-5	When ready for use, the end-use concentration is not to exceed 156 ppm
Butanedioic acid, sulfo-, 1,4-dioctyl ester, sodium salt	1639-66-3	None
Butoxy monoether of mixed (ethylene-propylene) polyalkylene glycol, cloudpoint of 90 - 100^{o} C in 0.5 aqueous solution, average molecular weight (in amu), 3300	None	None
Butoxy monoether of mixed (ethylene-propylene) polyalkylene glycol, minimum average molecular weight (in amu), 2400	None	None
Calcium chloride	10043-52-4	When ready for use, the end-use concentration is not to exceed 17 ppm
n-Carboxylic acids (C_6-C_{12}), consisting of a mixture of not less than 56% octanoic acid and not less than 40% decanoic acid	None	When ready for use, the end-use concentration is not to exceed 39 ppm
3-Cyclohexene-1-methanol,α,α,4-trimethyl-	98-55-5	None
1-Decanaminium, N-decyl-N, N-dimethyl-, chloride	7173-51-5	When ready for use, the end-use concentration is not to exceed 200 ppm of active quaternary compound
Ethanesulfonic acid, 2-[cyclohexyl (1-oxohexadecyl) amino]-, sodium salt	132-43-4	When ready for use, the end-use concentration is not to exceed 237 ppm
Ethanol	64-17-5	None
Ethanol, 2 butoxy-	111-76-2	None
Ethanol, 2-(2-ethoxyethoxy)-	111-90-0	None
Ethylenediaminetetraacetic acid (EDTA), disodium salt	139-33-3	When ready for use, the end-use concentration is not to exceed 1400 ppm
Ethylenediaminetetraacetic acid (EDTA), tetrasodium salt	64-02-8	None
Fatty acids, coco, potassium salts	61789-30-8	None
Fatty acids, tall-oil, sulfonated, sodium salts	68309-27-3	When ready for use, the end-use concentration is not to exceed

Pesticide Chemical	CAS Reg. No.	Limits
		66 ppm
FD&C Yellow No. 5 (Tartrazine) (conforming to 21 CFR 74.705)	1934-21-0	None
D-Gluconic acid, monosodium salt	527-07-1	When ready for use, the end-use concentration is not to exceed 760 ppm
Hydriodic acid	10034-85-2	When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine
Hydrogen peroxide	7722-84-1	When ready for use, the end-use concentration is not to exceed 1100 ppm
Hypochlorous acid, calcium salt	7778-54-3	When ready for use, the end-use concentration of all hypochlorous acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine
Hypochlorous acid, lithium salt	13840-33-0	When ready for use, the end-use concentration of all hypochlorous acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine and 30 ppm lithium
Hypochlorous acid, potassium salt	7778-66-7	When ready for use, the end-use concentration of all hypochlorous acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine
Hypochlorous acid, sodium salt	7681-52-9	When ready for use, the end-use concentration of all hypochlorous acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine
Iodine	7553-56-2	When ready for use, the total end-use concentration of all iodide-producing chemicals in

Pesticide Chemical	CAS Reg. No.	Limits
		the solution is not to exceed 25 ppm of titratable iodine
Magnesium oxide	1309-48-4	None
Methylene blue	61-73-4	When ready for use, the end-use concentration is not to exceed 0.4 ppm
Neodecanoic acid	26896-20-8	When ready for use, the end-use concentration is not to exceed 174 ppm
α-(p-Nonylphenyl)-ω-hydroxypoly (oxyethylene) maximum average molecular weight (in amu), 748	None	None
α-(p-Nonylphenol)-ω-hydroxypoly (oxyethylene) average poly(oxyethylene) content 11 moles	None	None
α-(p-Nonylphenyl)-ω-hydroxypoly (oxyethylene) produced by the condensation of 1 mole p-nonylphenol with 9 to 12 moles ethylene oxide	None	None
α-(p-Nonylphenyl)-ω-hydroxypoly (oxyethylene), 9 to 13 moles ethylene oxide	None	None
Octadecanoic acid, calcium salt	1592-23-0	None
9-Octadecenoic acid (9Z)-, sulfonated	68988-76-1	When ready for use, the end-use concentration is not to exceed 312 ppm
9-Octadecenoic acid (9Z)-sulfonated, sodium salts	68443-05-0	When ready for use, the end-use concentration is not to exceed 200 ppm
1-Octanamine, N,N-dimethyl-	7378-99-6	When ready for use, the end-use concentration is not to exceed 113 ppm
1,2-Octanedisulfonic acid	113669-58-2	When ready for use, the end-use concentration is not to exceed 102 ppm
1-Octanesulfonic acid	3944-72-7	When ready for use, the end-use concentration is not to exceed 172 ppm
1-Octanesulfonic acid, sodium salt	5324-84-5	When ready for use, the end-use concentration is not to exceed 312 ppm
1-Octanesulfonic acid, 2-sulfino-	113652-56-5	When ready for use, the end-use concentration is not to exceed 102 ppm
Oxirane, methyl-, polymer with oxirane, minimum	9003-11-6	None

Pesticide Chemical	CAS Reg. No.	Limits
molecular weight (in amu), 1900		
Oxirane, methyl-, polymer with oxirane, block, average molecular weight (in amu), 1900	106392-12-5	None
Oxirane, methyl-, polymer with oxirane, block, minimum average molecular weight (in amu), 2000	None	None
Oxirane, methyl-, polymer with oxirane, block, 27 to 31 moles of polyoxypropylene, average molecular weight (in amu) 2000	None	None
Oxychloro species (predominantly chlorite, chlorate and chlorine dioxide in an equilibrium mixture) generated either (i) by directly metering a concentrated chlorine dioxide solution prepared just prior to use, into potable water, or (ii) by acidification of an aqueous alkaline solution of oxychloro species (predominately chlorite and chlorate) followed by dilution with potable water	None	When ready for use, the end-use concentration is not to exceed 200 ppm of chlorine dioxide as determined by the method titled, “Iodometric Method for the Determination of Available Chlorine Dioxide (50-250 ppm available chlorine dioxide)”
Oxychloro species (including chlorine dioxide) generated by acidification of an aqueous solution of sodium chlorite	None	When ready for use, the end-use concentration is not to exceed 200 ppm of chlorine dioxide as determined by the method titled, “Iodometric Method for the Determination of Available Chlorine Dioxide (50-250 ppm available chlorine dioxide)”
2,4-Pentanediol, 2-methyl-	107-41-5	None
Peroxyacetic acid	79-21-0	When ready for use, the end-use concentration is not to exceed 315 ppm
Peroxyoctanoic acid	33734-57-5	When ready for use, the end-use concentration is not to exceed 122 ppm
Phenol, 4-(1,1-dimethylpropyl)-	80-46-6	When ready for use, the end-use concentration is not to exceed 80 ppm
Phosphonic acid, (1-hydroxyethylidene)bis-	2809-21-4	When ready for use, the end-use concentration is not to exceed 34 ppm
Phosphoric acid	7664-38-2	None
Phosphoric acid, monosodium salt	7558-80-7	When ready for use, the end-use concentration is not to exceed 350 ppm
Phosphoric acid, trisodium salt	7601-54-9	When ready for use, the end-use

Pesticide Chemical	CAS Reg. No.	Limits
		concentration is not to exceed 5916 ppm
Poly(oxy-1,2-ethanediyl), α-[(1,1,3,3-tetramethylbutyl) phenyl]-ω-hydroxy-, produced with one mole of the phenol and 4 to 14 moles ethylene oxide	None	None
Potassium bromide	7758-02-3	When ready for use, the end-use concentration of all bromide-producing chemicals in the solution is not to exceed 200 ppm total available halogen
Potassium iodide	7681-11-0	When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine
Propanoic acid	79-09-4	When ready for use, the end-use concentration is not to exceed 297 ppm
Quaternary ammonium compounds, alkyl (C_{12}-C_{18}) benzyldimethyl, chlorides	8001-54-5	When ready for use, the end-use concentration of this specific quaternary compound is not to exceed 200 ppm within the end-use total concentration that is not to exceed 400 ppm active quaternary compound
Quaternary ammonium compounds, n-alkyl (C_{12}-C_{14}) dimethyl ethylbenzyl ammonium chloride, average molecular weight (in amu), 377 to 384	None	When ready for use, the end-use concentration of this specific quaternary compound is not to exceed 200 ppm within the end-use total concentration that is not to exceed 400 ppm active quaternary compound
Quaternary ammonium compounds, n-alkyl (C_{12}-C_{18}) dimethyl ethylbenzyl ammonium chloride average molecular weight (in amu) 384	None	When ready for use, the end-use concentration of this specific quaternary compound is not to exceed 200 ppm within the end-use total concentration that is not to exceed 400 ppm active quaternary compound
Quaternary ammonium compounds, di-n-Alkyl (C_8-C_{10}) dimethyl ammonium chloride, average molecular weight (in amu), 332 to 361	None	When ready for use, the end-use concentration of this specific quaternary compound is not to

Pesticide Chemical	CAS Reg. No.	Limits
		exceed 240 ppm within the end-use total concentration that is not to exceed 400 ppm active quaternary compound
Sodium-α-alkyl(C_{12}-C_{15})-ω-hydroxypoly (oxyethylene) sulfate with the poly(oxyethylene) content averaging one mole	None	None
Sodium bromide	7647-15-6	When ready for use, the end-use concentration of all bromide-producing chemicals in the solution is not to exceed 200 ppm total available halogen
Sodium iodide	7681-82-5	When ready for use, the total end-use concentration of all iodide-producing chemicals in the solution is not to exceed 25 ppm of titratable iodine
Sulfuric acid monododecyl ester, sodium salt (sodium lauryl sulfate)	151-21-3	None
1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-	2782-57-2	When ready for use, the end-use concentration of all di- or trichloroisocyanuric acid chemicals in the solution is not to exceed 100 ppm determined as total available chlorine
1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, potassium salt	2244-21-5	When ready for use, the end-use concentration of all di- or trichloroisocyanuric acid chemicals in the solution is not to exceed 100 ppm determined as total available chlorine
1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3-dichloro-, sodium salt	2893-78-9	When r use, the end-use concentration of all di- or trichloroisocyanuric acid chemicals in the solution is not to exceed 100 ppm determined as total available chlorine
1,3,5-Triazine-2,4,6(1H,3H,5H)-trione, 1,3,5-trichloro-	87-90-1	When ready for use, the end-use concentration of all di- or trichloroisocyanuric acid chemicals in the solution is not to exceed 100 ppm determined as total available chlorine

Pesticide Chemical	CAS Reg. No.	Limits
1,3,5-Triazine, N,N',N"-trichloro-2,4,6-triamino-	7673-09-8	When ready for use, the end-use concentration of all di- or trichloroisocyanuric acid chemicals in the solution is not to exceed 200 ppm determined as total available chlorine

[69 FR 23136, Apr. 28, 2004]

Editorial Note: For FEDERAL REGISTER citations affecting § 180.940, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at *www.govinfo.gov*.