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

Residues of the following chemical substances are exempted from the requirement of a tolerance when used in accordance with good manufacturing practice as ingredients in an antimicrobial pesticide formulation, provided that the substance is applied on a semi-permanent or permanent food-contact surface (other than being applied on food packaging) with adequate draining before contact with food.

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

Pesticide Chemical	CAS Reg. No.	Limits
Acetic acid	64–19–7	When ready for use, the end-use concentration is not to exceed 290 ppm
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, 9005–00–9, 26183–52–8, 34398–01–1, 52292–17–8, 66455–14–9, 66455–15–0, 68002–97–1, 68131–39–5, 68131–40–8, 68154–96–1, 68213–23–0, 68439–45–2, 68439–46–3, 68526–94–3, 68439–50–9, 68439–49–6, 68551–12–2, 68951–67–7, 71243–46–4, 97043–91–9, 9043–30–5, 60828–78–6, 61827–42–7, 24938–91–8, 68439–54–3, 69011–36–5, 78330–20–8, 78330–21–9, 106232–83–1, 127036–24–2, 160875–66–1, 9004–98–2, 68920–66–1, 61804–34–0, 61791–28–4, 71060–57–6, 26468–86–0, 31726–34–8, 52609–19–5, 61791–20–6, 68155–01–1, 69013–19–0, 69364–63–2, 70879–83–3, 78330–19–5, 97953–22–5, 157627–86–6, 34398–05–5, 72905–87–4, 84133–50–6, 61702–78–1, 27306–79–2, 169107–21–5, 61791–13–7, 39587–22–9, 85422–93–1; 68154–98–3, 61725–89–1, 68002–96–0, 68154–97–2, 68439–51–0, 68551–13–3, 68603–25–8, 68937–66–6, 68987–81–5, 69227–21–0, 70750–27–5, 103818–93–5, 166736–08–9, 120313–48–6, 68213–24–1, 68458–88–8, 68551–14–4, 69013–18–9, 69227–22–1, 72854–13–8, 73049–34–0, 78330–23–1, 37311–02–7, 64366–70–7, 37251–67–5, 9087–53–0, 196823–11–7, 57679–21–7, 111905–54–5, 61827–84–7, 172588–43–1)	None

Pesticide Chemical	CAS Reg. No.	Limits
Ammonium chloride	12125–02–9	When ready for use, the end-use concentration is not to exceed 48 ppm
Amylopectin, acid-hydrolyzed, 1-oxtenylbutanedioate.	113894–85–2	None
Amylopectin, hydrogen 1-octadecenylbutanedioate.	125109–81–1	None
Ethanol	64–17–5	None
Ethylenediaminetetraacetic acid (EDTA), tetrasodium salt.	64–02–8	None
Hydrogen peroxide	7722–84–1	When ready for use, the end-use concentration is not to exceed 91 ppm
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 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
α-(p-Nonylphenyl)-ω-hydroxypoly (oxyethylene) average poly(oxyethylene) content 11 moles).	None	None
Octadecanoic acid, calcium salt	1592–23–0	None
1-Octanesulfonic acid, sodium salt	5324–84–5	When ready for use, the end-use concentration is not to exceed 46 ppm
Octanoic acid	124–07–2	When ready for use, the end-use concentration is not to exceed 52 ppm
Oxirane, methyl-, polymer with oxirane, minimum molecular weight (in amu), 1900.	9003–11–6	None
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
Phosphonic acid, (1-hydroxyethylidene)bis-	2809–21–4	When ready for use, the end-use concentration is not to exceed 14 ppm
Phosphoric acid, trisodium salt	7601–54–9	When ready for use, the end-use concentration is not to exceed 5916 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
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 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 240 ppm of active quaternary ammonium compound

Pesticide Chemical	CAS Reg. No.	Limits
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
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
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

(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.

Pesticide Chemical	CAS Reg. No.	Limits
Acetic acid	64–19–7	When ready for use, the end-use concentration is not to exceed 686 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
Benzenesulfonic acid, dodecyl-	27176–87–0	When ready for use, the end-use concentration is not to exceed 5.5 ppm
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
Decanoic acid	334–48–5	When ready for use, the end-use concentration is not to exceed 90 ppm
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
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
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
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
Lactic acid	50–21–5	When ready for use, the end-use concentration is not to exceed 138 ppm
Nonanoic acid	112–05–0	When ready for use, the end-use concentration is not to exceed 90 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 297 ppm
1-Octanesulfonic acid, 2-sulfino-	113652–56–5	When ready for use, the end-use concentration is not to exceed 102 ppm