

Sanitizer Table

Created by Amanda Deering

Reviewed by Ben Phillips – Sep 2021

This table includes selected information about the sanitizers for use in wash water, on food contact surfaces, and irrigation water. The products are listed alphabetically by **Active Ingredient**, with a selection of **Trade Names**.

† = indicates biorational formulations that may be listed by the Organic Materials Research Institute (OMRI) and may be allowed in organic production

There are three primary classes of sanitizers. Oxidizers, quaternary ammonias, and iodines. Oxidizers include calcium hypochlorite, chlorine, chlorine dioxide, hydrogen peroxide, peroxyacetic acid, sodium chlorite, and sodium hypochlorite. Oxidizers are reactive with non-stainless-steel metals. Chlorines and chlorites are sensitive to pH, temperature, and turbidity. The oxidizing sanitizers are variously-labeled for use on food contact surfaces, direct contact with produce through wash water, and also in irrigation water. Some oxidizing ingredients are available to use in organic production systems. Sodium bromides must be activated with an oxidizer, and the selection below are only labeled for use in wash water. Quaternary ammonias and iodines are only labeled for food contact surfaces.

This table is subset of data from a more complete and detailed database of *Labeled Sanitizers for Produce* version 4 updated 11/9/20, developed by the Produce Safety Alliance at producesafetyalliance.cornell.edu/resources/general-resource-listing.

Active Ingredients	Trade Names	Food Contact Surface Use	Produce Wash Water Use	Irrigation Water Use
calcium hypochlorite	ECR Calcium Hypochlorite, Accutab, Aquachlor, Aquafit, Incredipool, Induclor, Zappit	X	X	X
chlorine (gas)	Olin Chlorine	X	X	
†chlorine dioxide	Anthium BCD-200, Anthium Dioxide, Biovex, Carnebon 200, Oxine	X	X	X
citric acid, sodium dodecylbenzene-sulfonate	Pro-san L	X		
†hydrogen peroxide	SaniDate Ready to Use, Oxidate RTU, Zerotol RTU	X		
†hydrogen peroxide	Di-Oxy Solv, SaniDate RTU		X	X
iodine	LFI Sanitizer	X		
isopropyl alcohol, octyl decyl dimethyl ammonium chloride	Alpet D2	X		
lactic acid, sodium dodecylbenzene-sulfonate	Antimicrobial Fruit and Vegetable Treatment, Market Guard 700, Simply Save Antimicrobial Produce Wash		X	
n-alkyl dimethyl benzyl ammonium chloride	Market Guard Quat, Flex Pak Quat, Oasis Compac Quat, Simple Green D, Steramine, Ster-Bac	X		
†peroxyacetic acid, hydrogen peroxide	Oxonia Active, Synergex	X		
†peroxyacetic acid, hydrogen peroxide	Victory		X	
†peroxyacetic acid, hydrogen peroxide	Jet-Ag, Jet-Ag 15%			X
†peroxyacetic acid, hydrogen peroxide	Peraclean 5, Perasan C-5, Tsunami 100	X	X	
†peroxyacetic acid, hydrogen peroxide	Zerotol 2.0, Oxidate 2.0	X		X
†peroxyacetic acid, hydrogen peroxide	Proxitane WW-12, Sanidate 12.0		X	X
†peroxyacetic acid, hydrogen peroxide	BioSide HS 15%, Maguard 5626, Peraclean 15, Perasan A, Perasan OG, PerOx Extreme, Proxitane 15:23, Proxitane EQ, Sanidate 15.0, Sanidate 5.0, VigorOX SP-15	X	X	X
sodium bromide	Bromicide 4000, Bromide Plus, Busan 6040		X	
†sodium chlorite (precursor to chlorine dioxide)	EnviroChlorite 7.5, EnviroChlorite 15			X
†sodium chlorite (precursor to chlorine dioxide)	Ercopure BCD, Selectrocide 2L500, Selectrocide 5G	X	X	X
sodium hypochlorite	Surechlor	X		
sodium hypochlorite	Agechlor 310, Dixichlor Lite, Freshgard 72, Hypo 150, Liquichlor 12.5%, Pac-chlor 12.5%, Puma, Re-Ox, Sno-Glo Beach, Ultra Clorox Brand Regular Bleach, Vertex Concentrate, Vertex CSS-12, Vertex CSS-5 Bleach, XY-12 Liquid Sanitizer, Zep FS Formula 4665, CLB, CLB I	X	X	
sodium hypochlorite	Sodium Hypochlorite 12.5 Bacticide, Agrichlor Plus, Chlor12.5, Chlorsan 125, Hypure Sodium Hypochlorite 12.5	X	X	X

