

Active Ingredient	Products / brands containing this active ingredient (from EPA N-List Disinfectants for Covid-19)	Sanitizer	Disinfectant	Deodorizer	Gram Positive Bacteria	Gram Negative Bacteria	Acid Fast	Spores	Fungi	Yeast	Mold	Enveloped Viruses	Nonenveloped Viruses	Biofilm Penetration	Sanitizer - 99.9%	Disinfectant - 99.99%	Corrosive to Equipment (High=5, Low=1)	Wide pH effective range	Dilution/Usage Life (Long=5, Rapid Decay=1)	Flammable Inactivated by Organic Matter	Leaves Residue	Skin Irritant	Eye Irritant	Respiratory Irritant	Food Prep Areas	CA Prop 65	Hazard (High=5, Low=1)		
1,2-Hexanediol**	PELS 422	x	p**	x	x	x							x	x	p	4250 ppm	4250 ppm	2		3	x		x	x	x		x		
Bleach (Sodium hypochlorite)	Austin A-1, Avert, Axl, Bleach-rite, Boris, Buster, Caltech Swat, Cavicide, Caviwipes, CGB, Clorox, CPPC, CRB, CSP-3002, Dispatch, GNR, Hasa, Hydris, Hype-Wipe, Lite, Lysol, Micro-kill, Milo, Mold Armor, Nova, Puma, Pure Bright, Sani-Cloth Bleach, Scrubbing Bubbles Bleach, Soft Scrub Bleach, Sporex, Tecumseh B, TNT, Tulmult, Wave, XHC-E	x	x	x	x	x	x		p		p	x	x	p	1000 ppm	2500 ppm	5		3	x	x	x	x		x		2		
Chlorine dioxide	DoxyKlor is a pure, active chlorine dioxide solution, not a sodium chlorite system. DoxyKlor attributes are shown here. Sodium chlorite is used to create a weak, unstable type of Chlorine dioxide often referred to as "stabilized" in a 2-part system. Refer to CLO2 Product Comparison Chart for CLO2 brand formulation comparison of both types of Chlorine dioxide.	x	x	x	x		x	x	x	x	x	x	x	x	100 ppm	500 ppm	2	x	3		x			x	x	x		1	
Chlorhexidine gluconate	BioSurf	x	x		x	x			p			x	x	x	750 ppm	750 ppm			4	x			x	x	x		3		
Citric/Lactic/Octanoic acids	65 Heavy Duty Acid, Axen, Cleancide, Comet, CW32A, Fangio, Freak, Gurney, Hygeia, LEXX, Lysol, Octave FS, S&S, Sani-Cide, SBT, Sdc3a, T-bone, Tristel Duo, Virasept, Volcano, Vortexx, WC Complete, Wexford, Windex	x	p		pp	x	x						x	x	p	600-1000 ppm	1000-6000 ppm	5	p	5	x	x	x	x	x	x	3		
Dodecylbenzenesulfonic acid	CW32A, S&S	x	p		x	x	x						x	x	x	60 ppm	100 ppm	4		5	x	x		x			3		
Ethanol/Alcohol/Isopropyl alcohol	Alpet D2, Asepticare, BioSurf, Cavicide, Caviwipes, Champion Sprayon, Clorox Commercial, Concept, Discide, Disinfectant "G", Firebird, Klercide, Lysol, Mitersaw, Opti-Cide, Panther, Peak, PURELL, Saginaw, Sani-Cloth, Urthpro, Vesta-Syde, Wedge, Weiman	x	p	p	x	x	x		x			x	x*	pp*	700 ppm	700 ppm	4	p	5	xx							1		
Formaldehyde	None on N-list	x	x		x	x	x	x	x	p	x	x	x		1000 ppm	4000 ppm	3		2	x		x	x	x		x	5		
Gluteraldehyde	Synergize	x	x		x	x	x	x	x	x			x		1000 ppm	2500 ppm	5		5	x		x	x	x		x	5		
Glycolic acid	CBW, Glyclean, Show	x	x	x	x	x	x					x	x	x	1100 ppm	1100 ppm	5		2	x	x	x				x	3		
Hydrochloric acid	Scrubbing Bubbles Power Stain, Lysol Power Plus, Lysol Lime & Rust, Vanity Gp	x	x	x	x	x	x					x	x	x	6000 ppm	6000 ppm	5		3	x		x	x	x					
Hydrogen peroxide	Accel, Angel, B-Cap, Binary Ionization Technology, Blacksmith, Clorox Commercial, D7, DS, EasyDECON, Halomist, HaloSpray, Hitman, HP202, Hydra, Kickstart, Maguard, MDF-200, Nathan, NeoSan Labs, Octave FS, Oxivir, Oxonia, Oxy-1, Oxycide, Oxy-res, Oxy-Team, Peraclean, Peraside, Peridox, Peroxy HDOX, Phato, Proxi Home, Proxitane, Sani-HyPerCide, SPOR-KLENZ, Stericide, Suretouch, Synergex, Vaprox, Victor Spray, VigorOx, Virasept, Vortexx	x	x			x	p	x	x	x	p			x	0	500 ppm	3000 ppm	3	x	5			x		x	x	x	3	

Hypochlorous acid	Annihilyte-1, Cleansmart, Cousteau, Danolyte, Envirocleanse A, Excelyte Vet, Galaxy, Hsp20	x	x	x	x	x	x	x	x	x	x	x	x	x	400 ppm	750 ppm			3		x		x	x	x										1	
Idophors	None on N-list	x	x	x	x	p	x						x	p	p	200 ppm	1600 ppm	3		2		x	x	x	x											2
Ortho-phthalaldehyde	None on N-list	x	x	x	x	x	x	x	x	x	x	x	x			100 ppm	550 ppm	3	x	4		x		x	x											4
Ozone	None on N-list	x	x	x	x	x	x	p	x	x	p	x	x	x		1 ppm	4 ppm	4		1	x	x		x	x	x	x	x	x	x	x	x	x	x		5
Peracetic/Peroxyacetic acids	Blacksmith, Peraclean 15, Peraside A, Stericide, VigorOx, Virasept	x	x		x	x	x	x	x	x	p	x	x			600 ppm	2000 ppm	5	x	2	x	x	x	x	x	x	x	x	x	x	x	x	x	x		3
Phenolics/Thymol	Benefect, Bioesque, Concept, LpH, Opti-Phene, Phenolic HG, SBT, Sporicidin, Thymox, Vesphene, Wex-cide	x	x	x	x	p	p	p	p		p				p	1000 ppm	5000 ppm	4		2	x	x	x	x	x	x								x		2
Potassium monopersulfate	Rely+On, Virkon S	x	x	x	x	x	x	p	x	x	x	x	x	p		400 ppm	2000 ppm	3	x	3	x					x	x	x	x							1
Quaternary ammonium	512 Sanitizer, AF3, Asepticare, Assure, Atmosphere, BackSpray RTU, Barbicide, BARDAC, BTC, Byotrol 24, Caterpillar, Cavicide, CCX-151, CDW, Champion Sprayon, Claire, Condor 2, Combo, CPPC Everest, CSP-46, D-125, D7, Dash, Discide Ultra, D.C. 100, Spray "G", EasyDECON, EnviroBac 2, Envy, Fantastik, Firebird F130, FSC 35K, Germ Away, HWS, Kennelsol HC, KIK, Lauda, Lonza, Lonzagard, Malibu, Maquat, MDF-200, Mikro-Quat, MMR-4U, NeoSan Labs, NP, Nugen, Opti-cide, Panther, Peak, Phoenix 2, PJW-622, PPD Dash, Public Places, Q. A. , QGC, Raptor, Rex, Roccal II , Sani-Cloth, Sani-Prime, Say Q, SC, Scrubbing Bubbles, SNIPEr, Spray Nine, Spruce-ups, Stepan, Sterilex, Stewart, Synergize, Teccare Control, Vesta-Syde, Virex, Vital Oxide, Warrior, Wedge	x	x	x	x	p	x							x	x	100 ppm	800 ppm	4	x	3		x	x	x	x											2
Silver	Axen, HaloMist, HaloSpray, 3dc3a	x	p**		x	x							p	p	x	50 ppm	200 ppm	5		5		x	x	x	x	x									5	
Sodium dichloroisocyanurate	Aseptrol, Clearon, EfferSan, KlorKleen, Klorsept, XHC-S	x	x		x	x							x	x		1000 ppm	1000ppm	4		3	x		x	x	x	x								x		4
Triethylene glycol	Combo	x	p**	x	p	p	x		p				p	p	p	6000 ppm	6000 ppm	4		3		x	x		x										3	

KEY: X=yes, P=poor, PP=very poor, Blank=no



*Ethanol at 80% is effective against 21 enveloped viruses within 30 s. Murine norovirus and adenovirus type 5 are usually inactivated by ethanol between 70% and 90% in 30 s whereas poliovirus type 1 is too resistant except for ethanol at 95% . Ethanol at 80% is unlikely to be sufficiently effective against poliovirus, calicivirus (FCV), polyomavirus, hepatitis A virus (HAV) and foot-and-mouth disease. virus (FMDV). Alcohols are notably less effective than ethanols. Ethanol & alcohol can increase biofilm formation.

**1,2-Hexanediol, Triethylene glycol and Silver nitrate are limited spectrum disinfectants



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