



PERASAN[®] A (Antimicrobial Solution)

EPA Number: 63838-1

Applications	Food grade sanitizer used in the dairy, food and beverage processing industry for CIP pipeline cleaning, sanitizing, bottle and filler sanitizing, and disinfection. It is also used in the treatment of cooling water, process and wastewater. Additional uses are for slime and biofouling control, sulfite and odor reduction, and for cleaning UF and RO membranes. Peroxyacetic acid solutions are also used for disinfection in human and veterinary applications including hospitals.												
Properties	PERASAN [®] A has a high oxidation potential and is very reactive. It exhibits excellent bactericidal and fungicidal activity against a wide range of microorganisms in cold or warm water. Product is stable for a minimum of 1 year under normal conditions. It ultimately degrades to oxygen, water, and acetic acid (vinegar).												
Chemical Composition	PERASAN [®] A is an equilibrium mixture of peracetic acid, hydrogen peroxide, acetic acid, proprietary ingredients, and water. <table><tr><td>Peracetic acid (% wt.)</td><td>5.5-5.9</td></tr><tr><td>H₂O₂ (% wt.)</td><td>26.5-27.3</td></tr><tr><td>Acetic acid (% wt.)</td><td>7-8</td></tr></table>	Peracetic acid (% wt.)	5.5-5.9	H ₂ O ₂ (% wt.)	26.5-27.3	Acetic acid (% wt.)	7-8						
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Physical Properties	<table><tr><td>Density 20°C (68°F), (g/ml)</td><td>1.12</td></tr><tr><td>Vapor Pressure 20°C (68°F), (mbar)</td><td>27</td></tr><tr><td>pH 10% solution, 20°C (68 °F)</td><td>1.8</td></tr><tr><td>pH 1% solution, 20°C (68 °F)</td><td>2.8</td></tr><tr><td>Flash Point (DIN 51584)</td><td>> 98° C (207° F)</td></tr><tr><td>Freezing Point</td><td>< -12° C (10° F)</td></tr></table>	Density 20°C (68°F), (g/ml)	1.12	Vapor Pressure 20°C (68°F), (mbar)	27	pH 10% solution, 20°C (68 °F)	1.8	pH 1% solution, 20°C (68 °F)	2.8	Flash Point (DIN 51584)	> 98° C (207° F)	Freezing Point	< -12° C (10° F)
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Appearance	Clear, colorless liquid (pungent vinegar-like odor)												
Storage	<u>The PERASAN[®] A container must be stored in an upright position.</u> The storage area should be well ventilated and <u>shaded from sunlight</u> as well as protected from sources of radiant heat. Contamination of the product, especially heavy metal ions and alkali, must be avoided.												
Shelf Life	At least one year without notable loss of active oxygen if stored properly.												
Packaging	5 gal (45 lb), 53 gal (500 lb), 220 gal (2050 lb), 300 gal (2800 lb). Available in HDPE plastic pails, drums, and totes.												
Transport (DOT)	Oxidizing liquid, corrosive, n.o.s. (contains hydrogen peroxide and peroxyacetic acid mixture, stabilized), 5.1 (8), UN 3098, PG II												

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