



Tech Data: BioSide™ HS 15% Peroxyacetic Acid Solution

EPA Number: 63838-2

Applications	Used in the dairy, food and beverage processing industry for CIP pipeline cleaning, fruit and vegetable washing, and sanitizing. It is also used in the treatment of cooling water, oilfield process water and wastewater. Also, primary uses are for slime and biofouling control in the pulp & paper industry, dispersed pigments and coatings industries.										
Properties	BioSide™ HS 15% 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 6 months under normal conditions. It ultimately degrades to oxygen, water, and carbon.										
Chemical Composition	<p>BioSide™ HS 15% is an equilibrium mixture of peracetic acid, hydrogen peroxide, acetic acid, proprietary ingredients, and water.</p> <table><tr><td>Peracetic acid (% wt.)</td><td>15-15.8</td></tr><tr><td>H₂O₂ (% wt.)</td><td>22-23</td></tr><tr><td>Acetic acid (% wt.)</td><td>15-16</td></tr><tr><td>Stabilizer (% wt)</td><td><0.4</td></tr></table>	Peracetic acid (% wt.)	15-15.8	H ₂ O ₂ (% wt.)	22-23	Acetic acid (% wt.)	15-16	Stabilizer (% wt)	<0.4		
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Physical Properties	<table><tr><td>Density 20°C (68°F), (g/ml)</td><td>1.14</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</td></tr><tr><td>Flash Point °C (°F) DIN 51584</td><td>>98° (207)</td></tr><tr><td>Freezing Point °C (°F)</td><td>-5(-23)</td></tr></table>	Density 20°C (68°F), (g/ml)	1.14	Vapor Pressure 20°C (68°F), (mbar)	27	pH (10% solution, 20°C (68 °F)	<1	Flash Point °C (°F) DIN 51584	>98° (207)	Freezing Point °C (°F)	-5(-23)
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Appearance	Clear, colorless liquid (pungent vinegar-like odor)										
Storage	<u>The BioSide™ HS 15% 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 6 months without notable losses of active oxygen if stored properly.										
Packaging	5 gal (45 lb), 53 gal (500 lb), 2840 lb plastic pails, drums and totes.										
Transport (DOT)	UN3109, Organic Peroxide Type F, Liquid (Peroxyacetic Acid), 5.2 (8) , PG II										

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