



Peragreen[®] WW (Antimicrobial Solution)

EPA Number: 63838-2

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|---------------------------------------|--|-----------------------------|---------------------|---------------------------------------|-----------|---------------------------------|-----------|-------------------------|------------------|----------------|------------------|
| Applications | Peragreen [®] WW is a peroxyacetic acid-based microbiocide developed for algae and microbial control in wastewater treatment systems. Use this product to treat sewage and wastewater effluent systems associated with public and private wastewater treatment plants. This product may be applied alone at any point in the treatment train, such as debulking control, or may effectively be used in conjunction with other systems, such as Ultra Violet (UV) light. | | | | | | | | | | |
| Properties | Peragreen [®] WW 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 | Peragreen [®] WW is an equilibrium mixture of peracetic acid, hydrogen peroxide, acetic acid, proprietary ingredients, and water. <table><tr><td>Peracetic acid (% wt.)</td><td>14.8-15.7</td></tr><tr><td>H₂O₂ (% wt.)</td><td>21.5-22.5</td></tr><tr><td>Acetic acid (% wt.)</td><td>15.8-16.6</td></tr></table> | Peracetic acid (% wt.) | 14.8-15.7 | H ₂ O ₂ (% wt.) | 21.5-22.5 | Acetic acid (% wt.) | 15.8-16.6 | | | | |
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| Physical Properties | <table><tr><td>Density 20°C (68°F), (g/ml)</td><td>1.135 (9.47 lb/gal)</td></tr><tr><td>Vapor Pressure (mbar), 20°C (68°F)</td><td>27</td></tr><tr><td>pH (10% solution), 20°C (68 °F)</td><td><1</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) | 1.135 (9.47 lb/gal) | Vapor Pressure (mbar), 20°C (68°F) | 27 | pH (10% solution), 20°C (68 °F) | <1 | Flash Point (DIN 51584) | > 98° C (207° F) | Freezing Point | < -12° C (10° F) |
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| Vapor Pressure (mbar), 20°C (68°F) | 27 | | | | | | | | | | |
| pH (10% solution), 20°C (68 °F) | <1 | | | | | | | | | | |
| Flash Point (DIN 51584) | > 98° C (207° F) | | | | | | | | | | |
| Freezing Point | < -12° C (10° F) | | | | | | | | | | |
| Appearance | Clear, colorless liquid (pungent vinegar-like odor) | | | | | | | | | | |
| Storage | <u>The Peragreen[®] WW 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 1 year without notable losses of active oxygen if stored properly. | | | | | | | | | | |
| Packaging | 5 gal (45 lb), 53 gal (500 lb), 300 gal (2841 lb) and Bulk Available in HDPE plastic pails, drums, totes and Bulk. | | | | | | | | | | |
| Transport (DOT) | UN3109, Organic Peroxide Type F, Liquid (<=17% Peracetic Acid with <=26% HydrogenPeroxide), 5.2, 8 | | | | | | | | | | |

Product #73

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