

EcoClean B-400:

Advanced Non-Oxidizing Biocide

Product Description:

EcoClean B-400 is a high-performance, non-oxidizing biocide specifically engineered to control and eliminate a wide range of microbial contaminants, including algae, bacteria, and fungi, in industrial water systems. Unlike traditional oxidizing biocides, EcoClean B-400 utilizes advanced non-oxidizing agents that effectively target and disrupt microbial cell structures without the use of harsh oxidizers. This makes it particularly suitable for sensitive systems where oxidizing agents may cause corrosion or other undesirable reactions.

EcoClean B-400 offers a balanced formulation combining isothiazolinones and glutaraldehyde, ensuring broad-spectrum efficacy and long-lasting microbial control. Its clear, colorless to pale yellow liquid form allows for easy integration and monitoring within existing water treatment programs. This product is designed not only to protect the physical integrity of cooling towers and associated equipment but also to promote environmental sustainability by minimizing potential ecological impacts.

Applications:

- Industrial cooling towers
 - HVAC systems
 - Closed-loop cooling systems
 - Process water systems
 - Chilled water systems
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Benefits:

- **Effective Biological Control:** Eliminates algae, bacteria, and fungi, ensuring clean and efficient system operation.
 - **Non-Oxidizing Formula:** Ideal for sensitive systems where oxidizing agents may cause damage.
 - **Environmental Safety:** Formulated to minimize environmental impact, making it a sustainable choice.
 - **Compatibility:** Can be used alongside other water treatment chemicals without adverse reactions.
 - **Long-Lasting Protection:** Provides sustained microbial control, reducing the frequency of maintenance and downtime.
 - **User-Friendly:** Easy to dose and monitor, integrating seamlessly with existing water treatment protocols.
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Direction of Use:

1. **Initial Treatment:** Add EcoClean B-400 to the system at an initial shock dose of 100-200 ppm, depending on the severity of biological contamination.
 2. **Maintenance Dosing:** Maintain a residual concentration of 50-100 ppm by regularly dosing based on system water volume and conditions.
 3. **Monitoring:** Regularly monitor biological activity and adjust dosing as needed to maintain optimal performance.
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Specifications/Properties:

- **Appearance:** Clear, colorless to pale yellow liquid
 - **pH:** 3.0 - 5.0
 - **Specific Gravity:** 1.02 - 1.10 at 20°C
 - **Solubility:** Completely soluble in water
 - **Active Ingredients:** Isothiazolinones (10%), Glutaraldehyde (5%)
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Storage & Handling:

- **Storage:** Store in a cool, dry place away from direct sunlight and sources of heat. Keep the container tightly closed when not in use.
 - **Handling:** Use appropriate personal protective equipment (PPE) such as gloves and safety glasses. Avoid contact with skin and eyes. In case of contact, rinse thoroughly with water.
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Material Compatibility:

EcoClean B-400 is compatible with a wide range of materials commonly used in cooling tower systems, including:

- **Metals:** Stainless steel, carbon steel, copper, and aluminum.
- **Plastics:** PVC, CPVC, polyethylene, and polypropylene.
- **Elastomers:** EPDM, Viton, and Buna-N.

Ensure compatibility with specific materials in your system by consulting the manufacturer's guidelines or conducting a compatibility test.

Contact Us:

For more information or to place an order, contact Ecocare Technologies Pvt Ltd:

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Protect your cooling systems with EcoClean B-400 and experience the ultimate in biological control and system cleanliness.
