

BIOTROL™ 143 Oxidising Biocide

Product Description

BIOTROL 143 oxidising biocide is part of the comprehensive Visentia portfolio of industrial cooling and process water treatment biocides. BIOTROL 143 oxidising biocide is a concentrated liquid, single-feed bromine biocide composed of stabilised bromine chloride. This single-component, ready-to-feed technology provides the effectiveness and benefits of oxidative chemistry without the need for multiple chemical components and associated equipment. It is compatible for use with Visentia corrosion and deposit control programs, bio penetrants, and non-oxidising biocides.

Product Benefits

- Broad-spectrum oxidising biocide
- Effective in the control of aerobic and anaerobic bacteria, fungi, and algae
- Easy to feed liquid product
- Concentrated product to minimize product handling and storage

Product Application

BIOTROL 143 is best fed directly from the storage container as neat (undiluted) product. BIOTROL 143 can be either intermittently or continuously dosed to attain the desired level of disinfection for the system. Supplemental feed of a Visentia bio penetrant will enhance product efficacy.

All BIOTROL series products are fully compatible with Visentia's proprietary monitoring and control systems.

Product Dosage

The dosage of BIOTROL 143 depends upon the type of system, operating conditions, microbiological demand, degree of microbiological control specified, and system retention time. Add enough BIOTROL 143 to the system until a 0.2 - 0.5 ppm halogen residual is established for at least 4 hours.

Testing & Control

The addition rate of BIOTROL 143 can be controlled by measuring the level of free halogen present using the DPD method. For online continuous monitoring, an oxidation-reduction potential (ORP) sensor can be used. ORP levels in mV can be correlated with free halogen for your system.

Your Visentia water treatment consultant will custom design the treatment program and recommend the treatment levels, feed point location, and control methods for your particular application.

Physical Properties

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|---------------------------------|------------------|
| Form: | Liquid |
| Odour: | Chlorine odour |
| Colour: | Bright orange |
| pH (25°C): | 12 to 13 |
| Melting/Freezing Point: | <7°C (freezing) |
| Boiling Point: | NA |
| Solubility (water, 25°C) | Miscible |
| Flammability: | Non flammable |
| Relative Density: | 1.24 |
| Viscosity: | 15-25 cSt (20°C) |

Regulatory & Handling

MPI Dairy: BIOTROL 143 is recognised by the Ministry of Primary Industries New Zealand as a Dairy Maintenance Compound; approved for treatment of cooling systems in dairy factories when used in accordance with recommended operating conditions/guidelines.

MPI Non-Dairy: BIOTROL 143 is approved by the Ministry of Primary Industries New Zealand as a Non-Dairy Maintenance Compound for treatment of boilers, steam lines and/or cooling systems in food and beverage processing plants, where the treated water or steam does not come into contact with food products or process equipment (C 62).

Refer to the SDS or contact your sales representative for any additional regulatory and environmental information.

Safety: Visentia maintains an SDS for all its products. Use the health and safety information contained in the SDS to



develop appropriate product handling procedures to protect your employees and customers.

Our SDS should be read and understood by all of your supervisory personnel and employees before using Visentia products in your facilities.

Packaging

BIOTROL 143 is available in 20L pail, 200L drum and 1,000L IBC packaging options.

Further Information

If you require any further details on Visentia's products or services, please call your local Visentia water treatment consultant or directly to our Auckland head office on +64 9 216 9824.