ALBEMARLE®

STABROM® 909 Biocide

Description

STABROM 909 biocide is a single-feed, ready to use, liquid stabilized bromine chloride biocide for industrial water treatment applications. Product activity is 11% as BrCl--equivalent to approximately 15% as Br_2 or 7% as Cl_2.

Applications

STABROM 909 biocide is EPA-registered for use as a fungicide, algicide, slimicide and microbiocide in commercial and industrial recirculating cooling and process water systems, heat transfer systems (such as hydrostatic sterilizers and retorts, pasteurizers and warmers, and batch and continuous cookers), industrial once-through cooling water systems, pulp and paper mills, wastewater systems, containerized ponds and decorative fountains, and air washers and industrial scrubbing systems.

It is also EPA-registered to control biofilm deposits from pumps, pipework, heat exchangers and filters associated with industrial water treatment systems.

Specifications

BrCl assay, wt%	10.5 - 11.5
Appearance	clear yellow to clear orange liquid
pH	12.4 - 13.7

Typical Properties

Specific gravity @ 77 °F / 77 °F (25 °C / 25 °C)	1.29 - 1.37
Density, lb/gal @ 77 °F	10.8 - 11.4
Density, g/mL @ 25 °C	1.29 - 1.37
Boiling point, °F (°C), approx.	223 (106)
Freezing point, °F (°C), approx.	32 (0)
Viscosity, cSt @ 77 °F (25 °C)	2
Vapor pressure, mm Hg @ 77 °F (25 °C)	19
Solubility in water	complete
Odor	mild, sweet

Compatibility

Compatible

STABROM 909 biocide, at its end-use concentration, is compatible with commonly used materials of construction in cooling systems. In its neat form, at ambient temperatures, this product is compatible with titanium, Hastelloy® C-276, Monel 400, vinyl tubing, high-density polyethylene, polypropylene, PVC, Viton®, Teflon®, Tygon® tubing, chlorobutyl rubber, Hypalon®, HALAR® ECTFE, Tefzel® ETFE, W.L. Gore GORE-TEX® GR, W.L. Gore UPG Style 800, and Garlock Gylon® Styles 3504, 3500, and 3510.

Incompatible

In its neat form, this product is not compatible with Buna-N rubber, neoprene, silicone rubber, Plasite® 4300 and 3070, nylon, aluminum, brass, carbon steel, copper, stainless steel and other common metals. This product is strongly basic and an oxidizing agent. Contact with organic materials such as alcohols and aldehydes, strong reducing agents, strong oxidizers, acids, and ammonia-containing products should be avoided. Use of incompatible materials can promote the exothermic decomposition of the product. In extreme cases, this could result in vigorous gas formation and over-pressurization of storage containers.

Shipping Information

STABROM 909 biocide should be stored away from incompatible materials. To maximize product shelf life, the product should be stored in a cool, dry, well-ventilated area in opaque containers, to minimize exposure to light and especially sunlight. As the product ages, activity is gradually lost and nitrogen pressure can build up in the headspace, therefore, the product should be stored in vented containers.

Avoid freezing, excessive heat or exposure to light, especially direct sunlight. Heating of the product above what is needed for freeze protection should be avoided as it can accelerate decomposition. Temperature monitoring is recommended. Precautions should be taken to ensure that the average temperature of the product is maintained below 110 °F. Please refer to material safety data sheet for additional information.

This product retains 95% of its initial activity for at least one year when properly stored at ambient temperatures (<80 °F), and protected from light.

Shipping Information

Container Information
Available in bulk, totes and drums

Shipping Classifications

Proper shipping name:	CORROSIVE LIQUIDS, BASIC, INORGANIC, N.O.S. (Halogenated Complex, Sodium Hydroxide)
Hazard class:	8
ID number:	UN3266
Label/placard:	corrosive w/number 8
Packing group:	III

Handling Information

For specific handling and toxicity information, please refer to the current material safety data sheet.

Regulatory Information

Use of this product is regulated by the U.S. EPA and enforced by state agencies. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

U.S. EPA registration number: 3377-55

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