



BROMMAX[®] 7.1

Stabilized liquid bromine biocide.

EPA Number: 63838-5

Properties

BromMax[®] 7.1 is a patented (US Patent #7,045,153) single-feed stabilized liquid bromine biocide based on active ingredients of sodium bromide and sodium hypochlorite. BromMax[®] 7.1 has the following features and benefits:

- Single-feed, pre-activated solution
- Easy to handle and feed
- Enhanced stability over sodium hypochlorite bleach
- Effectiveness of bromine plus the stability of non-oxidizing biocides
- Powerful biofilm removal properties
- Compatible with common scale and corrosion inhibitors
- Tolerates pH >9

Applications

BromMax[®] 7.1 is made from the world's most concentrated liquid bromine biocide used for control of bacterial, algal and fungal slime in industrial and commercial recirculating cooling water systems. BromMax[®] 7.1 can also be used to control bacterial, algal and fungal slime in cooling waters; decorative fountains; air washers; papermill process waters and influent systems; and food, beverage and industrial pasteurizers.

Physical Properties

Color	Clear, orange
Scent	Mild, sweet
Density (20 °C)	1.3-1.35 g/mL (10.8-11.3 lbs/gal)
pH (1%)	12
Activity	7.1% as Cl ₂ (16% as Br ₂)
Freezing point	<25 °F (-4 °C)
Shelf-life	>1 year
Solubility in water	Complete

Toxicity

Acute dermal: LD50 > 2000 mg/kg body weight in rats
Acute oral: LD50 > 5000 mg/kg body weight in rats
Acute Inhalation: LD50 > 2.13 mg/L in rats

Compatibility

At end use concentration, BromMax[®] 7.1 is compatible with all commonly used materials of construction used in cooling systems.

For undiluted product, compatible materials include: high density polyethylene (HDPE), polypropylene, PVC, CPVC, PTFE (Teflon), Viton, Tygon tubing, chlorobutyl rubber, hypalon, titanium, Hastelloy C and Monel. Incompatible materials include: carbon steel, stainless steel, galvanized steel, copper, brass, aluminum, Buna-N-rubber, neoprene, silicone gaskets, nylon and Plasite 4300. Incidental contact with other stabilized liquid bromine products does not pose any incompatibility hazards e.g.

Incidental contact with other stabilized liquid bromine products does not pose any incompatibility hazards e.g. BromMax[®] 7.1 may be safely introduced to a storage tank containing a heel of another stabilized liquid bromine product.

**DOT
Description**

Proper shipping name: Corrosive liquid, n.o.s. (bromide salts)
Hazard class: 8
UN number: UN 1760
Label/placard: Corrosive
Packing group: III

Handling

Wear chemically resistant gloves and eye protection when handling, moving or using this product

Storage

Store in a cool, dry environment in the original container. Do not store in direct sunlight. Avoid freezing temperatures. Do not store at temperatures below 25° F. Below this temperature crystallization can occur. Warm product up to room temperature and mix to dissolve the crystals. Or, alternatively, add about 30% water and mix until dissolved.

Important: Read and understand label and Safety Data Sheet (SDS) for complete listing of hazards, precautions, first aid statements, and storage and handling information. SDS are available from the distributor of this product. 24-Hour Emergency Response Line 1-800-424-9300.

Prod. #28

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