

BromMax® 7.1

CONCENTRATED LIQUID BROMINE BIOCIDES

Description:	BromMax 7.1 is a patented* 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:	
	<ul style="list-style-type: none">• 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	
Application:	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; <i>papermill process waters and influent systems</i> ; and food, beverage and industrial pasteurizers.	
Properties:	Activity:	7.1% as Cl ₂ (16% as Br ₂)
	Appearance:	Clear, orange liquid
	Odor:	Mild, sweet
	pH (1% solution)	12
	Specific gravity	1.28-1.34
	Density (lb/gallon)	10.7-11.1
	Freezing point (°F)	25
	Shelf life	> 1 year
	Solubility in water	Complete
Toxicity:	Acute dermal LD ₅₀	> 2000 mg/kg body weight in rats
	Acute oral LD ₅₀	> 5000 mg/kg body weight in rats
	Acute Inhalation LD ₅₀	> 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.	

*US Patent #7,045,153; Other US and Global patents pending

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

*sodium hydroxide may be used optionally if desired.

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.

Updated: August 2009