



**Application** Absorption component of refrigerant system in absorption chillers

**Appearance** Clear, colorless solution

Product Specifications	Typical	Guaranteed
LiBr, wt%	53.5	53 – 54
Alkalinity (as LiOH), N	0.097	0.09 – 0.10
Cl, wt%	0.02	0.08 max
SO <sub>4</sub> , wt%	0.01	0.02 max
Ca, wt%	0.001	0.005 max
Mg, wt%	0.0001	0.0005 max
Na + K, wt%	0.01	0.06 max
Suspended matter, wt%	0.002	0.01 max

**Other Data** Molecular weight 86.85  
Density @ 25°C 1.6 g/ml (13.4lb/gal)

**Physical Properties** Incipient crystallization temperature -16°C (3°F)  
Boiling point @ 760 mm Hg 141°C (285°F)

Vapor Pressure

Temperature		
(°C)	(°F)	psia
25	77	0.0765
38	100	0.01689
66	150	0.7551
93	200	2.640

**Toxicity/Safety Data** Clear, colorless, odorless solution. This product is severely irritating to the eyes and skin, and expected to be irritating to the mucous membranes.

Additional information on toxicity and safety is contained in the Material Safety Data Sheet (MSDS) available for this product.

**Air Treatment Construction Energy Fine Chemicals Glass & Ceramics Greases & Lubricants Polymers Pool Water Treatment**

MARKETS SERVED	NORTH AMERICA AND HEADQUARTERS FMC Lithium	EUROPE FMC Chemicals	JAPAN FMC Lithium	CHINA FMC Lithium	INDIA FMC India Private Limited	TAIWAN FMC Lithium
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**Handling/Storage/Disposal** Avoid contact with eyes, skin or clothing. Avoid breathing mist. Use with adequate ventilation. Wear safety glasses or goggles and rubber gloves. Wash thoroughly after handling. Keep away from strong acids. Keep container closed. This product does not contain a corrosion inhibitor and therefore may corrode steel and stainless steel containers and equipment.

Dispose of waste according to local and Federal laws and regulations.

**Shipping Containers** 400 pounds (181.8kg) of product in 30-gallon (114 L) plastic cube.

**Shipping Limitations** Shipments of lithium bromide solution require no hazardous shipping labels. Shipments by post, parcel, air, water, rail, or truck are acceptable within each carrier's weight limits and packaging requirements.

For shipments within Europe labeling for supply requirements are:

Xi	Irritant
R&S phrases	see Material Safety Data Sheet

Responsible Care initiative dictates that all shipments of lithium chemicals must be transported in an approved vehicle in a responsible manner (i.e., no flat bed trucks).