

QS-PDS-1001 Revision: 00



Application Absorption component of refrigerant system in absorption chillers

Appearance Clear, colorless solution

Product Specifications

Guaranteed

LiBr, wt%	53 – 54
Alkalinity (as LiOH), N	09 – 0.10
Cl, wt%	08 max
SO ₄ , wt%	0.02 max
Ca, wt%	0.005 max
Mg, wt%	0.0005 max
Na + K, wt%	0.06 max
Suspended matter, wt%	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 Seven LakePointe Plaza 2801 Yorkmont Road, Suite 300 Charlotte, NC 28208 P: +1.704.426.5300 F: +1.704.426.5370	EUROPE FMC Chemicals Commercial Road Bromborough Merseyside CH62 3NL, England P: +44.151.482.7356 F: +44.151.482.7361	JAPAN FMC Lithium 9F, Aoyama Building 1-2-3, Kita-Aoyama Minato-ku, Tokyo 107-0061, Japan T: +81.3.3402.3716 F: +81.3.3402.3700	CHINA FMC Lithium 15F Far East International Plaza No. 317 Xianxia Road Shanghai 200051 P. R. China T: +86.21.6235.1919 T: +86.21.6235.1917	INDIA FMC India Private Limited Embassy Star 8, Palace Road High Grounds Bangalore 560052, India T: +91.80.2238.4311 F: +91.80.2238.5255	TAIWAN FMC Lithium 9F-1, 263 Tun Hwa S. Rd. Sec. 1 Taipei, Taiwan T: +866.2.2705.4400 F: +866.2.2702.7460
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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).