



Lithium Bromide Solution

Application

- Absorption component of refrigerant system in absorption chillers.

Handling/Storage/Disposal

- Avoid contact with eyes, skin or clothing
- Use only with adequate ventilation and avoid breathing mist
- Wear safety glasses or goggles and rubber gloves, wash thoroughly after handling.
- Keep away from strong acids and 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 Details

- 400 pounds (181.8kg) of product in 30-gallon (114 L) plastic cube
- 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 MSDS

- 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).

Product Specifications

Specs	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

Physical Properties

Physical Properties		Value
Molecular weight		86.85
Density @ 25°C		1.6 g/ml (13.4lb/gal)
Incipient crystallization temperature		-16°C (3°F)
Boiling point @ 760 mm Hg		141°C (285°F)
Vapor Pressure		
(°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.

FCT Water Treatment

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