

1. Product and Company Identification

www.rxmarine.com

Product Name	Lithium Bromide Water solution
Part Number	RXSOL-39-9001-025
Chemical Formula	LiBr
Chemical Family	Inorganic Bromide
CAS No	7550-35-8
Molecular Weight	86.85
Type of product and use	Inorganic solution used as desiccate medium in air conditioning and c

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat OMAN

Phone	+91 22 27815540 / 41 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	123@rxmarine.com
Website	www.rxmarine.com

2. Composition / Information on ingredients

www.rxmarine.com

Name of Substance	Cas Number	EC Number	Wight %
Lithium Bromide	7550-35-8	231-439-8	53-62%

3. Hazards Identification

www.rxmarine.com

Signal Word	Warning
Adverse human health effects	Risk of serious damage to eyes.

4. First Aid Measures

www.rxmarine.com

Eye Contact:	Holding the eyelids apart flush eyes promptly with copious amounts of water. Get medical attention immediately.
Skin Contact :	Remove contaminated clothing. Wash skin thoroughly with water for at least 15 minutes. Wash clothing before reuse. Get medical attention immediately.
Inhalation:	In case of inhalation or breathing fumes released from handling. Keep him quiet and warm. Apply artificial respiration if necessary. Get medical attention immediately.
Ingestion:	If swallowed, wash mouth thoroughly with plenty of water. Get medical attention immediately. NEVER GIVE AN UNCONSCIOUS PERSON ANYTHING TO EAT OR DRINK.

5. Fire-fighting Measures

www.rxmarine.com

Flash Point	None.
	Not Available.

Auto-ignition

temperature

Flammable/Explosio

Not Available

nlimits

Extinguishing media

Material is not combustible. Use extinguishing media appropriate to surrounding fire conditions.

Fire fighting procedure

Cool containers with water spray. In closed stores, provide fire-fight self-contained breathing apparatus in positive pressure mode.

Usual fire and explosion hazards

None known.

6. Accidental Release Measures

www.rxmarine.com

Personal precautions

After spillage / leakage

Wear respirator, chemical sa and boots.

Disposal Considerations

Absorb on sand or vermiculite and place in closed co site after material pick-up is complete. Avoid access to streams, lakes or ponds.Observe all when disposing of this material.

7. Handling and Storage

www.rxmarine.com

Handling

Avoid bodily contact. Keep containers tightly closed.

Storage

Store in a cool, well-ventilated area away from incomp

8. Exposure controls and personal protection

www.rxmarine.com

Ventilation requirements

Provide adequate ventilation. Use local exhaust as necessary.

Personal protection equipment

Approved respirator.

Respiratory protection :

Rubber gloves.

Gloves :

Chemical safety goggles.

Eye Protection:

Body covering clothes and boots.

Others :

Safety shower and eye bath should be provided.Do not showering and changing clothes.

9. Physical and chemical properties

www.rxmarine.com

Appearance:

Clear, colourless to yellow liquid, odourless.

Melting Point / range :

10oC (58%)

Boiling Point / range :

145 - 147oC (55%)

Vapour Pressure :

2.1 mm Hg at 20oC (55%)

Relative vapour density (air=1) :

Not available.

Evaporation rate (ether=1) :

Not available.

Solubility in Water :

70 gr/100ml at 101oC

Solubility in other Solvent: Miscible with Methanol, Ethanol (absolute),n-Propanol.
Thermal decomposition : Not available.

10. Stability and reactivity

www.rxmarine.com

Stability Stable under normal conditions.
Materials to avoid : Strong acids.
Conditions to avoid : None known.
Hazardous decomposition-products : Hydrobromic Acid gas above 200oC
Hazardous Polymerization: Will not occur.

11. Toxicological information

www.rxmarine.com

Effect of overexposure
Ocular : Severe irritant.
Dermal : Mild irritant to intact skin.
Inhalation : May irritate the upper respiratory tract.
Ingestion : May cause vomiting, nausea, diarrhea and ataxia. Slurred speech, blurred vision, dizziness, sensory loss, convulsions and loss of consciousness may occur in cases of large intake.
Chronic toxicity : Repeated skin contact may cause dermatitis. Repeated oral intake of bromides may affect the central nervous system. Symptoms include mental dullness, slurred speech, weakened memory, apathy, anorexia, constipation, drowsiness and loss of touch and pain.
Carcinogenicity : Not known to be a carcinogen.
Mutagenicity : Not mutagenic by the Ames Test.

12. Ecological information

www.rxmarine.com

Aquaticotoxicity : 48 Hour-EC50
Daphnia magna : 45 mg/l

13. Disposal considerations

www.rxmarine.com

Waste treatment Method Avoid access to streams, leaks or ponds. Observe all federal, state and local environmental regulations when disposing of this product.

14. Transport information

www.rxmarine.com

UN No. : Not regulated.
IMO-IMDG CODE : Not regulated.
ICAO / IATA : Not regulated.
RID / ADR : Not regulated.
US DOT : Not regulated.

15. Regulatory information

www.rxmarine.com

Classification : Irritant symbol required and dangerous to the environment.
R Phrase(s) : R 41 : Risk of serious damage to eyes.
R 52 : Harmful to aquatic organisms.
S Phrases : S 26 : In case of contact with eyes, rinse immediately.
S 39 : Wear eye / face protection.

16. Other information

www.rxmarine.com

Revision Information:

Other Information

None

The information above is believed to be accurate and available to us. However, we make no warranty of any kind, implied, with respect to such information, and we disclaim all liability for any damages, including, but not limited to, special, indirect, incidental, or consequential damages, arising, even if **RX Marine International** has been advised of the possibility of such damages.