

1. Product and Company Identification

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Product Name Calcium Bromide Solution

Part Number RXSOL-34-3407-250

Company Details:

RX MARINE INTERNATIONAL

105, A wing , BSEL , TECH PARK.

VASHI ,NEW BOMBAY 400703 INDIA

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Website www.rxmarine.com

2. Composition / Information on ingredients

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Name of Substance	Cas Number	Percentage	Molecular Formula
Calcium Bromide	7789-41-5	52 - 56%	CaBr ₂

3. Hazards Identification

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Signal Word

Irritant

Hazard Statements

Slightly hazardous in case of skin contact (irritant)

Precautionary statements - prevention

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. REPRODUCTIVE TOXICITY: Not available. REPEATED OR PROLONGED EXPOSURE: Not available. TOXICITY: Not available. Repeated or prolonged exposure may cause irritation.

Precautionary statements - response

This chemical is not considered hazardous by the 2002 GHS (1910.1200)

4. First Aid Measures

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Eye Contact

Rinse immediately with plenty of water, also under running water. Keep open while rinsing. Do not rub affected area. Obtain medical attention.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.

Inhalation:

Move to fresh air. If breathing is difficult, give oxygen. Obtain medical attention.

Ingestion:

Do not induce vomiting. Obtain medical attention.

Notes to Physician

Treat symptomatically

5. Fire-fighting Measures

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Flammability

Non-flammable.

Flash Point

Not applicable.

Suitable extinguishing media

No information available

Hazardous combustion products

Hydrogen halides Sodium oxides

Specific Hazards Arising from the Chemical

Non-combustible. Thermal decomposition can lead
Keep product and empty container away from heat

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Use appropriate tools to put the spilled solid in a container, spreading water on the contaminated surface and other special requirements.

Advice for non-emergency personnel: Avoid inhaling vapors. Do not use emergency procedures. Consult an expert. Advice section 8.

Do not let product enter drains.

Cover drains. Collect, bind, and pump off spills. Observe for leaks (see Figure 10). Take up dry. Dispose of properly. Clean up after.

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Do not ingest. Do not breathe dust. Avoid contact with skin. In case of insufficient ventilation, wear suitable respiratory equipment. Wash thoroughly and show the container or the label. Keep away from children.

Keep container tightly closed. Keep container in (77°F). Packing : Only packagings which are appro

Advice on safe handling Observe label precautions working with substance.

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Use process enclosures, local exhaust ventilation, and other engineering controls to keep exposure below recommended exposure limits. If user operations cannot be performed with engineering controls, keep exposure to airborne contaminants below the ceiling limit.

Eye/face Protection : Wear appropriate protective eyewear.
 OSHA's eye and face protection regulations in 29 CFR 1910.133.
 Body protection : Wear appropriate protective gloves.
 Respiratory Protection : Follow the OSHA respirator regulations found in 29 CFR 1910.134.
 EN 149. Use a NIOSH/MSHA or European Standard approved respirator with appropriate filter.
 If irritation or other symptoms are experienced, stop work immediately and seek medical attention.

Handle in accordance with good industrial hygiene :



Gloves Suit

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: Liquid.

Colour	: Colourless
Odour	: Odourless.
Odour Threshold	: Not available.
Physical State	: Liquid.
PH Value	: 6.5 to 8.5
Freezing Point / Melting Point	: Not Available
Initial Boiling Point	: 128 °C (262.4 °F)
Flash Point	: Not available
Evaporation Rate	: Not available
Flammability (solid, gas)	: Not applicable
Lower Flammability Limit	: Not available.
Upper Flammability Limit	: Not available.
Vapor Pressure	: Not available.
Vapor Density	: Not available.
Relative Density	: 1.7 (Water = 1) at 25 °C (77 °F)
Solubilities	: Soluble in water.
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Viscosity	: Not available.
Percent Volatile, wt. %	: Not available.
VOC content, wt. %	: Not available.

10. Stability and reactivity

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Reactivity	None known, based on information available
Stability	Product is stable.
Possibility of hazardous reactions	No known hazardous reactions.
Conditions to avoid	To avoid thermal decomposition, do not overheat. Incompatible products. Exposure to moist air or water.
Incompatible materials	Strong oxidizing agents, Strong acids, Halogens
Hazardous combustion products	Hydrogen halides, Sodium oxides
Hazardous Polymerization	Hazardous polymerization does not occur.

11. Toxicological information

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Acute toxicity	LD50 Oral LD50 = 3500 mg/kg (Rat)	LD50 Dermal >2000 mg/kg (Rabbit)
Skin corrosion/irritation	Corrosion : None. Mild Erritation	
Toxic Effects on Humans	Hazardous in case of ingestion, of inhalation. Slight	
Special Remarks on Chronic Effects on Humans	May cause adverse reproductive effects (male and female) (fetotoxicity) based on animal data Human: passes through placenta	
Special Remarks on other Toxic Effects on Humans:	<p>Acute Potential Health Effects: Skin: May cause irritation. Inhalation: May cause respiratory tract irritation. Ingestion: May cause nausea and vomiting, abdominal pain, constipation. Chronic: May cause rare and may affect the central nervous system (CNS) and other symptoms similar to chronic ingestion (headache, dizziness, kidneys (acute renal failure, urinary incontinence), It may also cause eye disturbances such as mydriasis, lacrimation, objects, blurring or indistinctness of vision, appearance of objects, large pupils, subnormal reaction to light,</p>	

12. Ecological information

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Eco Toxicity	Not Available
COD and BOD 5	Not Available
Products of Biodegradation:	Possibly hazardous short term degradation products may arise.
Mobility in soil	Will likely be mobile in the environment due to its
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety
Other adverse effects	Discharge into the environment must be avoided.

13. Disposal considerations

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Waste treatment Method	Waste material must be disposed of in accordance with chemicals in original containers. No mixing with other product itself
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14. Transport information

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DOT	Not Regulated
TDG	Not Regulated
IATA	Not Regulated
IMDG/IMO	Not Regulated

15. Regulatory information

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Federal and State Regulation	TSCA 8(b) inventory: Sodium bromide
Other Regulation	Other Regulations: EINECS: This product is on the Chemical Substances.
WHMIS (Canada)	Not controlled under WHMIS (Canada)..
DSCL (EEC)	R36- Irritating to eyes. S2- Keep out of the reach of children. S46- If swallowed, seek medical advice immediately.

HMIS	
Health Hazard	: 2
Fire Hazard	: 0
Reactivity	: 0
Personal Protection	: E

Fire :	
Health Hazard	: 2
Fire Hazard	: 0
Reactivity	: 0
Specific Hazard	: E

Other Information

The information above is believed to be accurate and available to us. However, we make no warranty, expressed or implied, with respect to such information, and we should make their own investigations to determine the facts for particular purposes. In no event shall we be liable for any damages, lost profits or any special, indirect, incidental, consequential or otherwise, even if Rx Marine International has been advised of the need for such information.

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