

1. Product and Company Identification

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Product Name Sodium Bromide
Part Number RXSOL-19-1617-025

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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Name of Substance	Cas Number
Sodium Bromide	7647-15-6

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. TERATOGENIC E available.DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to agg condition.
Precautionary statements - response This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

4. First Aid Measures

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Eye Contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. 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. Get medical attention immediately if symptoms occur.
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
Protective Equipment	Use personal protective equipment.
Specific Hazards Arising from the Chemical	Non-combustible. Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty from heat and sources of ignition.

6. Accidental Release Measures

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Small Spillage

Use appropriate tools to put the spilled solid in a convenient container. Clean the surface by spreading water on the contaminated surface and observe local and authority requirements

Personal Protection

Advice for non-emergency personnel: Avoid inhalation. In case of emergency procedures, consult an expert. Advice for first aid see section 8.

Environmental Precaution

Do not let product enter drains.

Methods and materials for containment and cleaning

Cover drains. Collect, bind, and pump off spills. Observe local and authority requirements (see sections 7 and 10). Take up dry. Dispose of properly. Clean up as directed.

7. Handling and Storage

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Handling

Do not ingest. Do not breathe dust. Avoid contact with eyes. In case of insufficient ventilation, wear suitable respiratory protection. In case of eye contact, advice immediately and show the container or the label. Avoid contact with oxidizing agents, acids.

Storage

Keep container tightly closed. Keep container in a cool, dry place. 25°C (77°F).

Advice on general occupational hygiene

Packing : Only packagings which are approved (e.g. acc. to ADR 315). Advice on safe handling Observe label precautions. Clean hands after working with substance.

8. Exposure controls and personal protection

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Engineering Control

Use process enclosures, local exhaust ventilation, or other engineering controls to keep exposure levels below recommended exposure limits. If user operates in an area with insufficient ventilation to keep exposure to airborne contaminants below recommended exposure limits, use appropriate respiratory protection.

Personal Protection

Eye/face Protection : Wear appropriate protective eyewear as described by OSHA's eye and face protection regulation 29 CFR 1910.133, European Standard EN166.

Skin and body protection : Wear appropriate protective clothing to prevent skin exposure. **Respiratory Protection** : Follow the OSHA regulation 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH approved respirator if recommended exposure limits are exceeded or if irritation is experienced.

Other Protection Measure

Handle in accordance with good industrial hygiene and safety practices.



Gloves Suit

9. Physical and chemical properties

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Form	Powder / Solid
Colour	White
Odour	No Information Available
Odor Threshold	No Information Available
pH	5-8.8 5% aq. solution
Melting Point	755 °C / 1391 °F
Boiling Point	1390 °C / 2534 °F @ 760 mmHg
Boiling Point	121°C (249.8°F)
Flash Point	Not Applicable
Evaporation Rate	Not Applicable
Flammability (solid, gas)	No Data Available
Explosive limits	No Data Available
Vapour pressure	No Data Available
Vapour Density	Not Applicable
Relative density Information	3.2 g/cm ³ at 25 °C
Decomposition Temperature	80025 °C
Partition coefficient	No data available
Explosive properties	None
Solubility	905 g/L (20°C)

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 Dermal LC50 Inhal. LD50 = 3500 mg/kg (Rat) >2000 mg/kg (Rabbit) Not listed.
Skin corrosion/irritation	Corrosion : None. Mild Irritation
Toxic Effects on Humans	Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).
Special Remarks on Chronic Effects on Humans	May cause adverse reproductive effects (male and female effects on fertility and effects on newborns and fetotoxicity). animal data Human: passes the placental barrier, detected in maternal milk.
Special Remarks on other Toxic Effects on Humans:	Acute Potential Health Effects: Skin: May cause mild skin irritation. Eyes: Causes eye irritation. Inhalation: May cause respiratory irritation. Ingestion: May cause gastrointestinal tract irritation with nausea and vomiting, abdominal pain, constipation. Poisoning following acute ingestion is more rare and may affect the central nervous system (CNS depression - somnolence, ataxia, coma and other symptoms similar to chronic ingestion), cardiovascular system (hypotension, tachycardia), kidney failure, urinary incontinence), and respiration (acute respiratory distress syndrome). It may also cause eye disturbances (mydriasis and nystagmus, disturbances of apparent color of objects, blurring or indistinctness of vision, apparent size of objects, large pupils, subnormal reaction to light, diplopia, and photophobia).

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 are not likely. However, long term degradation products may arise.

Mobility in soil	Will likely be mobile in the environment due to its water solubility.
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
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 the national and local regulations. Leave chemicals in original mixing with other waste. Handle uncleaned containers like the 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 European Inventory of Existing Commercial Chemical Substances.
WHMIS (Canada)	Not controlled under WHMIS (Canada)..
DSCL (EEC)	R36- Irritating to eyes. S2- Keep out of the reach of children. S24/25- Avoid contact with skin and eyes. S46- If medical advice immediately and show this container or label.
HMIS	
Health Hazard	: 2
Fire Hazard	: 0
Reactivity	: 0
Personal Protection	: E
Fire :	
Health Hazard	: 2
Fire Hazard	: 0
Reactivity	: 0
Specific Hazard	: E

16. Other information

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Other Information

The information above is believed to be accurate and reliable. However, we make no warranty of accuracy or completeness, implied, with respect to such information, and we should make their own investigations to determine its suitability for particular purposes. In no event shall we be liable for any damages, including but not limited to, for lost profits or any special, indirect, incidental, or consequential damages, arising, even if **RX Marine International** has been advised of the possibility of such damages.

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