

SODIUM BROMIDE 48 Solution

Part No. RXSOL-81-1617-1001 — Generated 28 Sep 2026

1. Product and Company Identification

Product Name	SODIUM BROMIDE 48 Solution
Part Number	RXSOL-81-1617-1001

Company Details:....

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

Component	CAS No	Weight %
Sodium bromide	7647-15-6	>95

3. Hazards Identification

Classification	This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Label elements	
Signal Word	Warning
Hazard Statements	May cause drowsiness or dizziness Suspected of damaging fertility. Suspected of damaging the unborn child May cause damage to organs through prolonged or repeated exposure
Precautionary Statements	Prevention Obtain special instructions before use Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Do not breathe dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area Response IF exposed or concerned: Get medical attention/advice Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Storage Store locked up Store in a well-ventilated place. Keep container tightly closed Disposal Dispose of contents/container to an approved waste disposal plant
Hazards not otherwise classified (HNOC)	None identified

4. First Aid Measures

Description of first aid measures

General Advice	If symptoms persist, call a physician.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.
Most important symptoms and effects	None reasonably foreseeable
Notes to Physician	Treat symptomatically

5. Fire-fighting Measures

Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	No information available
Flash Point	No information available
Method	No information available
Autoignition Temperature	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. No information available
Explosion Limits	
Upper	No data available
Lower	No data available spray to keep fire-exposed containers cool. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available

Specific Hazards Arising from the Chemical	Non-combustible. Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.
Hazardous Combustion Products	Hydrogen halides. Sodium oxides.
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

Personal Precautions	Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment and Clean Up	Sweep up and shovel into suitable containers for disposal. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Handling	Ensure adequate ventilation. Wear personal protective equipment/face protection. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation.
Storage	Keep container tightly closed. Keep in a dry, cool and well-ventilated place. Store under an inert atmosphere. Keep container tightly closed in a dry and well-ventilated place. Protect from moisture. Incompatible Materials. Strong oxidizing agents. Strong acids. Halogens.

8. Exposure controls and personal protection

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protective Equipment

Eye/face Protection	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Skin and body protection	Wear appropriate protective gloves and clothing to prevent skin exposure.
Respiratory Protection	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Recommended Filter type	Particle filter
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Powder Solid
Appearance	White
Odor	No information available
Odor Threshold	No information available

pH	5-8.8 5% aq. solution
Melting Point/Range	755 °C / 1391 °F
Boiling Point/Range	1390 °C / 2534 °F @ 760 mmHg
Flash Point	No information available
Evaporation Rate	Not applicable
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	Not applicable
Specific Gravity	No information available
Solubility	905 g/L (20°C)
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	800 °C
Viscosity	Not applicable
Molecular Formula	Br Na
Molecular Weight	102.89

10. Stability and reactivity

Reactive Hazard	None known, based on information available
Stability	Hygroscopic.
Conditions to Avoid	To avoid thermal decomposition, do not overheat. Incompatible products. Exposure to moisture or water.
Incompatible Materials	Strong oxidizing agents, Strong acids, Halogens
Hazardous Decomposition Products	Hydrogen halides, Sodium oxides
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

11. Toxicological information

Acute toxicity

Product Information

Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium bromide	LD50 = 3500 mg/kg (Rat)	>2000 mg/kg (Rabbit)	Not listed

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation	No information available					
Sensitization	No information available					
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.					

Component	CAS No	IARC	NTP	ACGIH	OSHA	Mexico
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Sodium bromide	7647-15-6	Not listed	Not listed	Not listed	Not listed	Not listed
Mutagenic Effects						Not mutagenic in AMES Test
Reproductive Effects						No information available.
Developmental Effects						No information available.
Teratogenicity						No information available.
STOT - single exposure						Central nervous system (CNS)
STOT - repeated exposure						None known
Aspiration hazard						No information available
Symptoms / effects, both acute and delayed						No information available
Endocrine Disruptor Information						No information available
Other Adverse Effects						The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity	Contains a substance which is: Very toxic to aquatic organisms. The product contains following substances which are hazardous for the environment.					
Component	CAS No	Freshwater Algae	Microtox	Water Flea		
		LC50: > 1000 mg/L, 96h static (Oncorhynchus mykiss)				
		LC50: 24000 - 96000 mg/L, 96h flow-through (Oryzias latipes)				
		LC50: = 24000 mg/L, 96h semi-static (Oryzias latipes)				
		LC50: 16000 - 24000 mg/L, 96h flow-through (Poecilia reticulata)				
Sodium bromide	EC50: 5800 - 24000 mg/L, 96h (Scenedesmus pannonicus)	LC50: = 16000 mg/L, 96h semi-static (Poecilia reticulata)	-	EC50: 5700 - 10800 mg/L, 48h Static (Daphnia magna)		
		LC50: 0.054 - 0.081 mg/L, 96h flow-through (Oncorhynchus mykiss)		EC50: 5800 - 48000 mg/L, 48h (Daphnia magna)		
		LC50: > 1000 mg/L, 96h static (Lepomis macrochirus)				
		LC50: 15614 - 17428 mg/L, 96h static (Pimephales promelas)				

Persistence and Degradability	Soluble in water Persistence is unlikely based on information available.
Bioaccumulation/ Accumulation	No information available.
Mobility	Will likely be mobile in the environment due to its water solubility

13. Disposal considerations

Waste	Chemical waste generators must determine whether a discarded chemical is classifiedasahazardous waste.
Disposal Methods	Chemical waste generators must also consult local, regional, andnational hazardous waste regulations to ensure complete and accurate classification.

14. Transport information

DOT	Not regulated
TDG	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. Regulatory information

United States of America Inventory

Component	CAS No	TSCA	TSCA Inventory notification - Active-Inactive				TSCA - EPA RegulatoryFlags			
Sodium bromide	7647-15-6	X	ACTIVE				-			
TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT)		Not applicable								
TSCA 12(b) - Notices of Export		Not applicable								
International Inventories		Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea(KECL).								
Component	CAS No	DSL	NDSL	EINECS	PICCS	ENCS	ISHL	AICS	IECSC	KECL
Sodium bromide	7647-15-6	X	-	231-599-9	X	X	X	X	X	KE-31368

U.S. Federal Regulations

SARA 313	Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not containanychemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372
SARA 311/312 Hazard Categories	Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriateclassifications.
CWA (Clean Water Act)	Not applicable
Clean Air Act	Not applicable
OSHA - Occupational Safety and Health Administration	Not applicable
CERCLA	This material, as supplied, does not contain any substances regulated as hazardous substances under the ComprehensiveEnvironmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments andReauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or statelevel pertaining to releases of this material.
California Proposition 65	This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations		Not applicable			
U.S. Department of Transportation					
Reportable Quantity (RQ)		N			
DOT Marine Pollutant		N			
DOT Severe Marine Pollutant		N			
U.S. Department of Homeland Security		This product does not contain any DHS chemicals			
Other International Regulations					
Mexico - Grade		No information available			
Authorisation/Restrictions according to EU REACH		Not applicable			
Component	CAS No	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)	
Sodium bromide	7647-15-6	-	-	-	
Safety, health and environmental regulations/legislation specific for the substance or mixture					
Component	CAS No	OECD HPV	Persistent Organic Pollutant	Ozone Depletion Potential	Restriction of Hazardous Substances (RoHS)
Sodium bromide	7647-15-6	Listed	Not applicable	Not applicable	Not applicable
Other International Regulations					
Component	CAS No	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification	Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements	Rotterdam Convention (PIC)	Basel Convention(Hazardous Waste)
Sodium bromide	7647-15-6	Not applicable	Not applicable	Not applicable	Not applicable

16. Other information

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Other
Information

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