

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1. GHS product identifier

Product Name – Sodium Bromide Solution

1.2. Other means of identification

Synonyms – None

1.3. Recommended use of the chemical and restrictions on use

Recommended Use – Additive Brine

Uses advised against – No information available.

1.4. Supplier's detail

Supplier Address

Intech Organics Limited

Plot No – 27, Sector – 34

Gurgaon | Haryana – 122004

Email: info@intech.in

Web: www.intech.in

1.5. Emergency telephone number

Emergency Telephone Number – CHEMTREC: +1-800-424-9300 | Outside US: +91-124-4407000

2. HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Serious Eye Damage/Eye Irritation	Category 1
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HS/HTS Code: 28275110

2.2. GHS Label elements, including precautionary statements

Labelling – Not required

Emergency Overview

Signal Word	Non
Danger Hazard Statements	There are no ingredients in this product that, at the amounts given, are deemed harmful to health.

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Appearance	Colorless to Light yellow, Amber
Physical State	Liquid
Odour	Odourless

2.3. Precautionary Statements

Prevention	None
General Advice	None
Eyes	IF IN EYES: Rinse with water for a few minutes, being cautious. If contact lenses are present and easily removed, do so. Rinse again. Immediately call a POISON CENTER or doctor/physician.
Storage	None
Disposal	None
Hazard Not Otherwise Classified (HNOC)	Not applicable
Other information	may irritate the respiratory system. might irritate skin. Gastrointestinal discomfort, nausea, vomiting, and diarrhea may result from ingestion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	EC-No	Weight %	Molar Mass
Sodium Bromide	7647-15-6	231-599-9	40-45	102.9 g/mol

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES**4.1. Description of necessary first-aid measures**

Eye Contact	Flush with lots of water right away. Take off your contact lenses after the first flush, and keep flushing for at least fifteen minutes. When you rinse, keep your eyes wide open. Avoid rubbing the injured region. Get medical help or advice right away.
Skin Contact	Eliminate all contaminated clothing and footwear right away by washing with lots of water and soap. Before reusing, wash any compromised clothing. Contact a doctor if the skin irritation doesn't go away.
Inhalation	Move to fresh air. Get medical attention if symptoms occur.
Ingestion	NEVER try to make someone throw up. After washing your mouth with water, make sure you drink a lot of it. Never administer anything by mouth to someone who is unconscious. Seek medical assistance.

SAFETY DATA SHEET**4.2. Most important symptoms/effects, acute and delayed.**

Symptoms and effects are not known ..

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician	Treat symptomatically.
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5. FIREFIGHTING MEASURES**5.1. Extinguishing Media**

Suitable Extinguishing Media – Water, Foam, ABC-powder, Alcohol resistant foam

Unsuitable Extinguishing Media – Water Jet

5.2. Specific Hazards Arising from the Chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous Combustion Products: Hydrogen bromide. Bromine.

5.3. Explosion Data

Sensitivity to Mechanical Impact None

Sensitivity to Static Discharge None

5.4. Protective Equipment and Precautions for Firefighters

Don't breathe in fumes in the event of a fire or explosion. Plan your firefighting tactics according to the fire's surroundings. Keep firefighting water out of water courses and drains. Gather tainted firefighting water in a different container. Keep a safe distance and use the usual measures when fighting fire.

6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment, and emergency procedures**

Personal Precautions	Staff should be evacuated to safe areas. Put on personal safety gear. Steer clear of skin, eyes, and clothing contact. Steer clear of mists or fumes.
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6.2. Environmental Precautions

Environmental Precautions	See Section 12 for additional Ecological Information.
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SAFETY DATA SHEET**6.3. Methods and materials for containment and cleaning up**

Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Use an inert, absorbent substance to absorb. Gather and place in appropriately labelled containers.

6.4. Reference to other sections

Personal protective equipment: See section 8. Incompatible materials: see section 10 Disposal considerations: See section 13

7. ACCIDENTAL HANDLING AND STORAGE**7.1. Precautions for safe handling**

Handling	Ensure adequate ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists
General Occupational Hygiene	Wash hands after use. Do not eat, drink and smoke in work areas. Before entering dining areas, take off any contaminated clothing and protective gear. Never store food or beverages next to chemicals. Chemicals should never be put in containers meant for food or beverages. Steer clear of food, beverages, and animal feed.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Keep containers tightly closed in a dry, cool and well-ventilated place.
Incompatible Products	Acids. Potassium. Divalent salts, Oxidizing agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1. Control parameters**

Exposure Guidelines	There are no hazardous elements in this product that have occupational exposure limits set by regulatory organizations in your area.
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8.2. Appropriate engineering controls

Engineering Measures	Showers Eyewash stations Ventilation systems
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8.3. Individual protection measures, such as personal protective equipment

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Eye/Face Protection	Tightly fitting safety goggles. If splashes are likely to occur, wear: Face-shield.
Skin and Body Protection	Impervious gloves. Lab coat and/or apron.
Respiratory Protection	Wearing respiratory protection that has been approved by NIOSH and MSHA is advised if exposure limits are exceeded or irritation is experienced. In cases where the concentration of airborne contaminants is significant, positive pressure supplied air respirators might be necessary. Current local rules must be followed when providing respiratory protection.
Hygiene Measures	Observe safe handling procedures and excellent industrial hygiene when handling. Use this product without eating, drinking, or smoking anything. Steer clear of food, beverages, and animal feed. Before taking a break and right away after handling the lotion, wash your hands and face. Before reusing, remove and wash any affected garments. Maintain a clean work area, clothes, and equipment on a regular basis.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State	Liquid	Appearance	Clear
Odor	Odourless	Odor Threshold	No information available

Property	Values	Remarks/ - Method
pH	6-8	None known
Melting Point/Range	No data available	None known
Boiling Point/Boiling Range	>100 °C	for 53%
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper Flammability Limit	No data available	
Lower Flammability Limit	No data available	
Vapor Pressure	No data available	
Vapor Density	No data available	None known
Specific Gravity	1.01 – 1.52 @ 70F (21C)	
Water Solubility	Completely Soluble	None known
Solubility in Other Solvents	No data available	None known
Partition coefficient	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Flammable Properties	Not Flammable	

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Explosive Properties	No data available	
Oxidizing Properties	No data available	
VOC Content (%)	No data available	

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions
Possibility of Hazardous Reactions	None under normal processing
Hazardous Polymerization	Hazardous polymerization does not occur
Conditions to Avoid	Protect from Heating & Overheating
Incompatible Materials	Acids, Divalent salts, Oxidizing agents
Hazardous Decomposition Products	Bromine

11. TOXICOLOGICAL INFORMATION**11.1. Information on likely routes of exposure**

Acute Toxicity	Shall not be classified as acutely toxic. GHS of the United Nations, annex 4: May be harmful if swallowed or in contact with skin.
Skin corrosion/irritation	Shall not be classified as corrosive/irritant to skin.
Serious eye damage/eye irritation	Shall not be classified as seriously damaging to the eye or eye irritant.
Respiratory or skin sensitisation	Shall not be classified as a respiratory or skin sensitiser.
Germ cell mutagenicity	Shall not be classified as germ cell mutagenic.
Carcinogenicity	Shall not be classified as carcinogenic.
Reproductive toxicity	Shall not be classified as a reproductive toxicant.
Ingestion	May cause gastrointestinal irritation, nausea, vomiting and diarrhoea

11.2. Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Calcium Bromide	= 3500 mg/kg (Rat)	>2000 mg/kg(rabbit)	-

11.3. Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Symptoms	No Information Available
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SAFETY DATA SHEET**11.4. Delayed And Immediate Effects And Also Chronic Effects From Short And Long Term Exposure**

Sensitization	Showers Eyewash stations Ventilation systems
Mutagenic Effects	No Information Available
Carcinogenicity	Contains no ingredients above reportable quantities listed as a carcinogen
Reproductive Toxicity	No Information Available
STOT – single exposure	No Information Available
STOT – repeated exposure	No Information Available
Aspiration Hazard	No Information Available

12. ECOLOGICAL INFORMATION

12.1. Ecotoxicity The environmental impact of this product has not been fully investigated

Chemical Name	BCF
Sodium Bromide 7647-15-6	0.23 (ECHA)

12.2. Persistence and Degradability No Information Available

12.3. Bioaccumulation Does not Bioaccumulate

12.4. Other Adverse Effects No information Available

13. DISPOSAL CONSIDERATIONS

Wast Disposal Methods	According to federal laws, this substance as given does not constitute a hazardous waste (40 CFR 261). If chemical additions are made to this substance, if it is mixed with or otherwise comes into contact with a hazardous waste, or if the transformed material is a hazardous waste, then this material may turn into a hazardous waste. For additional requirements, refer to the relevant state, regional, or local regulations.
Contaminated Packaging	Do not re-use empty containers

14. TRANSPORT INFORMATION

DOT	Not Regulated
IMDG	Not Regulated
IATA	Not Regulated

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15. REGULATORY INFORMATION

International Inventories TSCA DSL	Complies Complies
Legend TSCA DSL/NDSL	US Toxic Substances Control Act Section 8(b) Inventory Canadian Domestic Substances List/Non-Domestic Substances List
U.S. Federal Regulations	Section 313 to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals 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 Acute Health Hazard Chronic Health Hazard Fire Hazard Sudden Release of Pressure Reactive Hazard	Yes No No No No
Clean Water Act	This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)
CERCLA	This material, as supplied, does not contain any substances regulated as hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund amendments and the pertaining to release of this material.
U.S. State Regulations California Proposition 65 U.S. EPA Label Information	This product does not contain any Proposition 65 Chemicals EPA Pesticide Registration Number – Not Applicable

16. OTHER INFORMATION

NFPA	Health Hazard 1	Flammability 0	Instability 0	Physical and Chemical Hazard -
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Prepare By	INTECH Organics Limited - info@intech.in
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Revision Date	12-June-2024
Revision Note	

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16.1. General Disclaimer:

To the best of our knowledge, information, and belief on the date of publishing, the data on this SDS is accurate. The provided information should not be construed as a guarantee or a quality specification; rather, it is intended simply as a reference for safe handling, use, processing, storage, transit, disposal, and release. Unless otherwise indicated in the text, the information is limited to the particular substance designated and may not apply to that material when used alone, in conjunction with other materials, or in any procedure.

END OF SAFETY DATA SHEET