

WINDIA CHEMICALS PRIVATE LIMITED

130/1-9, Thinnanur Road, Pulivalam Post,
Musiri Tk, Trichy Dist Pin:621006.

SAFETY DATA SHEET

SODIUM BROMIDE SOLUTION (NaBr)

1. Product Identification.

Synonyms : Sedoneural.
CAS No : 7647-15-6.
Molecular Weight : 102.89.
Chemical Formula : NaBr.
Company Identification : Windia Chemicals P. Ltd,
41, 3rd Street, V.G.P Layout,
Injambakkam, Chennai-600115.
info@windiachemical.com

2. Hazards Identification.

Emergency Overview

OSHA Hazards	Target Organ effect.
Target	: Central Nervous System.
GHS Classification	: Acute toxicity, Dermal : Acute toxicity, Oral : Eye irritation
GHS Label elements, including precautionary statements	
Pictograms	None
Signal Word	: Warning.
Hazard statement(s)	
H303+H313	: May be harmful if swallowed or in contact with skin.
H320	: Causes eye irritation
Precautionary statement(s)	
P305+P351+P338	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. : Continue rinsing.

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Hazardous Materials Identification System (HMIS) Classification

Physical hazards	: 1
Personal protection	: 0
Flammability	: 0
Personal hazards	: 0

National Fire Protection Association (NFPA) Rating

Health Rating	: 2
Flammability Rating	: 0
Reactivity Rating	: 1
Contact Rating	: 2

Potential Health Effects

Inhalation	: Cause respiratory tract irritation
Skin	: Cause skin irritation
Eyes	: Cause eye irritation

3.Composition/Information on Ingredients.

Ingredients	CAS No	Percent	Hazardous
Sodium Bromide Solution	7647-15-6	45%	Yes

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4. First Aid Measures

Eyes	: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. : Get medical aid.
Skin	: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion	: Induce vomit immediately as directed by medical personnel. : Never give anything by mouth to an unconscious person. : Call a physician
Inhalation	: Remove from exposure and move to fresh air immediately. If not breathing, give artificial get respiration. : If breathing is difficult, give medical aid oxygen.
Notes to physician	: Treat symptomatically and supportively.

5. Fire Fighting Measures

General Information	: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH Strong (approved or equivalent), and full protective gear. : Water spray to keep fire-exposed containers cool.
Extinguishing Media	: Use any means suitable for extinguishing surrounding fire.
Flash Point	: Not applicable.
Autoignition Temperature	: Not applicable.
Explosion Limits-Lower	: Not available.
Explosion Limits-Upper	: Not available.

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6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified.

Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protect:

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):

For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection	: Wear protective gloves and clean body-covering clothing
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Eye Protection	: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.
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9. Physical and Chemical Properties.

Appearance	: Solutions
pH	: No information available
Odour	: Odourless.
Boiling Point	: 1390°C
Melting Point	: 755°C
Solubility	: 116 g/100ml water @ 50°C

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Upper or lower flammability limits	: No information available
Vapour threshold	: No information available
Odour threshold	: No information available
Vapour density	: No information available
Flash point	: No information available
Evaporation Rate	: No information available
Flammability	: No information available
Partition Coefficient: n-Octanol/water	: No information available
Auto Ignition Temperature	: No information available
Decomposition Temperature	: No information available
Viscosity	: No information available.

10. Stability and Reactivity

Stability	: Stable under ordinary conditions of use and storage. : Absorbs moisture from air
Conditions of Instability	: Incompatible materials, moisture
Hazardous Polymerization	: Will not occur
Incompatibilities	: Acids, alkaloidal and heavy metal salts, bromine trifluoride.
Conditions to Avoid	: Moisture and incompatibles.
Corrosivity	: Non-corrosive in presence of glass
Polymerization	: Will not occur

11. Toxicological Information

Component Information

Component	LD50 Oral	LD50 Dermal
Sodium Bromide Solution	3500 mg/Kg (Rat)	Not listed

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CAS#	7647-15-6
Carcinogenicity	No information available.
Epidemiology	No information available.
Teratogenicity	No information available.
Reproductive Effects	May cause reproductive effects in laboratory mammals.
Mutagenicity	No information available.
Neurotoxicity	No information available.
Aspiration Hazard	No information available.
Specific Target Organ Toxicity-single	No information available.
Specific Target Organ Toxicity-Repeat	No information available.
Potential Health Effects	
Eye	: Causes eye irritation
Skin	: Causes skin irritation. : May be harmful if absorbed through the skin.
Ingestion	: May cause irritation of the digestive tract. : Exposure may cause anemia and other blood abnormalities. : May be harmful if swallowed. : May cause nausea, vomiting, and drowsiness.
Inhalation	: May cause respiratory tract irritation. : May be harmful if inhaled. : May cause respiratory difficulty and coughing.

12. Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

13. Disposable Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing and use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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14. Transport Information:

Domestic (Land, D.O.T.)	
Proper Shipping Name	: Sodium Bromide Solution
Hazard Class	: Not Regulated
UN/NA	: Not Regulated
Packing Group	: Not Regulated
Information reported for product/size	: 1000 ltr

International (Water, I.M.O.)	
Proper Shipping Name	: Sodium Bromide Solution
Hazard Class	: Not Regulated
UN/NA	: Not Regulated
Packing Group	: Not Regulated
Information reported for product/size	: 1000 ltr

International (Air, I.C.A.O.)	
Proper Shipping Name	: Sodium Bromide Solution
Hazard Class	: Not Regulated
UN/NA	: Not Regulated
Packing Group	: Not Regulated
Information reported for product/size	: 1000 ltr

15. Regulatory Information:

Federal and State Regulations:

TSCA 8(b) inventory: Sodium Bromide Solution.

Other Regulations:

EINECS: This product is on the European inventory of Existing Commercial Chemical Substances.

Protective Equipment:

Gloves, Lab coat, Dust respirator. Be sure to use an approved/ certified respirator or equivalent and safety glasses.

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16. Other Information

Version no : WCPL – NaBr solution- SDS – 001

Date of Creation : 10 - Nov – 2019

E-mail ID : info@windiachemicals.com

Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Windia chemicals be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Windia chemicals has been advised of the possibility of such damages.



Approved by QC Manager
Govindaraj 26/02/2022