

# WINDIA CHEMICALS PRIVATE LIMITED

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

## **SAFETY DATA SHEET**

### SODIUM BROMIDE CRYSTALLINE POWDER (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](mailto:info@windiachemical.com)

## 2. Hazard Identification

### Emergency Overview

OSHA Hazards	: Target organ effect
Target	: Central Nervous System
GHS Classification	: Acute toxicity, Dermal (Category 5) : Acute toxicity, Oral (Category 5) : Eye irritation (Category 2B)
<b>GHS Label elements, including precautionary statements</b>	
Pictograms	: None
Signal Word	: None
<b>Hazard statement(s)</b>	
H303+ H313	: May be harmful if swallowed or in contact with skin
H320	: Causes eye irritation
<b>Precautionary statement(s)</b>	

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P305+P338+P350

: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## 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 : 0

Flammability Rating : 0

Reactivity Rating : 0

Contact Rating : 0

## Potential Health Effects

Inhalation : Harmful if inhaled. May cause respiratory tract irritation.

Ingestion : May be harmful if swallowed.

Skin : May cause skin irritation.

Eyes : May cause eye irritation.

## 3. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Sodium Bromide	7647-15-6	100%	NO

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## 4. First Aid Measures

<b>Inhalation</b>	: Move to fresh air. : If not breathing, give artificial respiration. : If breathing is difficult, give oxygen. : Call a physician
<b>Ingestion</b>	: Induce vomiting immediately as directed by medical personnel. : Never give anything by mouth to an unconscious person. : Call a physician.
<b>Skin Contact</b>	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes. : Remove contaminated clothing and shoes. : Wash clothing before reuse. : Call a physician
<b>Eye Contact</b>	: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. : Get medical attention immediately

## 5. Fire Fighting Measures

<b>Fire</b>	: Not considered to be a fire hazard.
<b>Explosion</b>	: Not considered to be an explosion hazard.
<b>Fire Extinguishing Media</b>	: Use any means suitable for extinguishing surrounding fire.
<b>Special Information</b>	: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## 6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

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## 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 Protection

<b>Airborne Exposure Limits</b>	: None established.
<b>Ventilation System</b>	<ul style="list-style-type: none"><li>: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible.</li><li>: 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.</li><li>: Please refer to the ACGIH document, <i>Industrial Ventilation, A Manual of Recommended Practices</i>, most recent edition, for details</li></ul>
<b>Personal Respirators (NIOSH) Approved</b>	<ul style="list-style-type: none"><li>: 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.</li><li>: 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.</li><li>: WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.</li></ul>
<b>Skin Protection</b>	: Wear protective gloves and clean body-covering clothing.
<b>Eye Protection</b>	: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area

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## 9. Physical and Chemical Properties

<b>Appearance</b>	: Crystal Powder
<b>pH</b>	: Neutral
<b>Odour</b>	: Odourless.
<b>Boiling Point</b>	: 1390°C
<b>Melting Point</b>	: 747°C
<b>Solubility</b>	: 104.9 g/100ml water @ 40°C
<b>Upper or lower flammability limits</b>	: No information available
<b>Vapour threshold</b>	: No information available
<b>Odour threshold</b>	: No information available
<b>Vapour density</b>	: No information available
<b>Flash point</b>	: No information available
<b>Evaporation Rate</b>	: No information available
<b>Flammability</b>	: No information available
<b>Partition Coefficient: n-Octanol/water</b>	: No information available
<b>Auto Ignition Temperature</b>	: No information available
<b>Decomposition Temperature</b>	: No information available
<b>Viscosity</b>	: No information available.

## 10. Stability and Reactivity

<b>Stability</b>	: Stable under ordinary conditions of use and storage. Absorbs moisture from air
<b>Hazardous Decomposition Products</b>	: Oxides of the contained metal and halogen, possibly also free, or ionic halogen.
<b>Hazardous Polymerization</b>	: Will not occur.
<b>Incompatibilities</b>	: Acids, alkaloidal and heavy metal salts, oxidizers and bromine trifluoride.
<b>Conditions to Avoid</b>	: Moisture and incompatibles.

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## 11. Toxicological Information

### Component Information

Component	LD50 Oral	LD50 Dermal
Sodium Bromide	3500 mg/Kg (Rat)	2000 mg/Kg (Rabbit)

CAS#	7647-15-6
Carcinogenicity	No information available
Epidemiology	No information available
Teratogenicity	No information available
Mutagenicity	No information available
Reproductive Effects	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

Inhalation	: Dust may cause irritation to the respiratory tract, symptoms may include coughing and shortness of breath.
Ingestion	: May cause nausea, vomiting and abdominal pain. Ingestions are usually promptly rejected by vomiting, but enough absorption may occur to produce central nervous system, eye and brain effects. Symptoms may include skin rash, blurred vision and other eye effects, drowsiness, irritability, dizziness, mania, hallucinations, and coma.
Skin Contact	: Dry material may cause mild irritation. Solutions may cause irritation, redness, and pain.
Eye Contact	: May cause irritation, redness and pain
Chronic Exposure	: Repeated or prolonged exposure by any route may cause Skin rashes (bromaderma). Repeated ingestion of small amounts may cause central nervous system depression, including depression, ataxia, psychoses, memory loss, irritability, and headache.
Aggravation of Pre-existing Conditions:	: Persons suffering from debilitation, depression, alcoholism, neurological or psychological disorders may be more susceptible to the effects of this compound.

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## 12. Ecological Information

**Environmental Fate:** No information found.

**Environmental Toxicity:** No information found.

## 13. Disposal 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.

## 14. Transport Information:

Domestic (Land, D.O.T.)	
Proper Shipping Name	: Sodium Bromide Crystalline Powder
Hazard Class	: Not Regulated
UN/NA	: Not Regulated
Packing Group	: Not Regulated
Information reported for product/size	: 500G

International (Water, I.M.O.)	
Proper Shipping Name	: Sodium Bromide Crystalline Powder
Hazard Class	: Not Regulated
UN/NA	: Not Regulated
Packing Group	: Not Regulated
Information reported for product/size	: 500G

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International (Air, I.C.A.O.)	
Proper Shipping Name	: Sodium Bromide Crystalline Powder
Hazard Class	: Not Regulated
UN/NA	: Not Regulated
Packing Group	: Not Regulated
Information reported for product/size	: 500G

## 15. Regulatory Information

.....\Chemical Inventory Status - Part 1\.....  
Ingredient TSCA EC Japan Australia  
Sodium Bromide (7647-15-6) Yes Yes Yes Yes

.....\Chemical Inventory Status - Part 2\.....  
Ingredient --Canada--  
Korea DSL NDSL Phil.  
Sodium Bromide (7647-15-6) Yes Yes No Yes

.....\Federal, State & International Regulations - Part 1\.....  
- SARA 302 - ---SARA 313---  
Ingredient RQ TPQ List Chemical Catg.  
Sodium Bromide (7647-15-6) No No No No

.....\Federal, State & International Regulations - Part 2\.....  
-RCRA- -TSCA- Ingredient  
C ERCLA 261.33 8(d)  
Sodium Bromide (7647-15-6) No No No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No SARA 311/312: Acute: Yes Chronic: Yes  
Fire: No Pressure: No Reactivity: No (Pure / Solid).



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**Australian Hazchem Code:** None allocated.

**Poison Schedule:** None allocated.

**WHMIS:** This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

## 16. Other Information

Version No. : WCPL-NaBr-SDS-001  
Date of creation : 10-Dec-2019  
E-mail ID : [info@windiachemicals.com](mailto:info@windiachemicals.com)

### **Disclaimer**

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Approved by QC Manager  
Govindaraj 26/02/2022

