

# WINDIA CHEMICALS PRIVATE LIMITED

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

## SAFETY DATA SHEET

POTASSIUM BROMIDE (KBr)

### 1. Product Identification.

<b>Synonyms</b>	: Hydrobromic acid Potassium salt, Bromide salt of Potassium.
<b>CAS No</b>	: 7758-02-3.
<b>Molecular Weight</b>	: 119.002.
<b>Chemical Formula</b>	: KBr.
<b>Company Identification</b>	: Windia Chemicals P. Ltd, 41, 3 <sup>rd</sup> Street, V.G.P Layout, Injambakkam, Chennai-600041. <a href="mailto:info@windiachemical.com">info@windiachemical.com</a>

### 2. Hazards Identification.

#### Emergency Overview

OSHA Hazards	Irritant, Harmful to aquatics.
Target	: Eyes, skin, Aquatic animals.
GHS Classification	: Skin Corrosion and Irritation : Irritation Category : Hazardous to the aquatic environment

#### GHS Label elements, including precautionary statements

Pictograms



Signal Word : Warning.

#### Hazard statement(s)

H315 : Causes skin irritation

H319 : Causes serious eye irritation

H335 : May cause respiratory irritation

H402 : Harmful to aquatic life

#### Precautionary statement(s)

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P261	: Avoid breathing dust/fumes/gas/mist/vapour/spray
P264	: Wash thoroughly after handling
P273	: Avoid release to the environment
P280	: Wear protective gloves/protective clothing/eye protection/skin protection.

## 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	: 1
Flammability Rating	: 0
Reactivity Rating	: 0
Contact Rating	: 0

## 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
Potassium Bromide	7758-02-3	100%	No

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## 4. First Aid Measures

<b>Eyes</b>	: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. : Get medical aid.
<b>Skin</b>	: Get medical aid. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
<b>Ingestion</b>	: Get medical aid immediately. DO NOT induce vomiting. : If conscious and alert, rinse mouth and drink 2-4 cupful of milk or water.
<b>Inhalation</b>	: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. : If breathing is difficult, give medical aid oxygen.
<b>Notes to physician</b>	: Treat symptomatically and supportively.

## 5. Fire Fighting Measures

<b>General Information</b>	: 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.
<b>Extinguishing Media</b>	: Use water spray, dry chemical, carbon dioxide, or chemical foam.
<b>Flash Point</b>	: Not applicable.
<b>Autoignition Temperature</b>	: Not applicable.
<b>Explosion Limits- Lower</b>	: Not available.
<b>Explosion Limits- Upper</b>	: 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.

<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
<b>pH</b>	: Neutral
<b>Odour</b>	: Odourless.
<b>Boiling Point</b>	: 1435°C
<b>Melting Point</b>	: 730°C
<b>Solubility</b>	: 67.8 g/100ml water @ 25°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>Conditions of Instability</b>	: Incompatible materials, moisture
<b>Hazardous</b>	: Will not occur
<b>Polymerization</b>	
<b>Incompatibilities</b>	: Acids, alkaloidal and heavy metal salts, bromine trifluoride.
<b>Conditions to Avoid</b>	: Moisture and incompatibles.
<b>Corrosivity</b>	: Non-corrosive in presence of glass
<b>Polymerization</b>	: Will not occur

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## 11. Toxicological Information

### Component Information

Component	LD50 Oral	LD50 Dermal
Potassium Bromide	3070 mg/Kg (Rat)	Not listed

CAS#	7758-02-3
Carcinogenicity	No information available.
Epidemiology	No information available.
Teratogenicity	No information available.
Reproductive Effects	No information available.
Mutagenicity	May affect genetic materials.
Neurotoxicity	No information available.
Aspiration Hazard	No information available.
Specific Target Organ Toxicity-single	May cause respiratory irritation.
Specific Target Organ Toxicity-Repeat	No information available.

### Potential Health Effects

<b>Eye</b>	: Causes eye irritation
<b>Skin</b>	: Causes skin irritation. : May be harmful if absorbed through the skin.
<b>Ingestion</b>	: 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.
<b>Inhalation</b>	: May cause respiratory tract irritation. : May be harmful if inhaled. : May cause respiratory difficulty and coughing.
<b>Chronic</b>	: Prolonged exposure may cause anemia and methemoglobinemia, characterized by dizziness, drowsiness, headache, breath shortness, cyanosis (bluish skin due to deficient oxygenation of the blood), rapid heart rate and chocolate-brown colored damage, blood. : Chronic exposure may cause anemia, kidney and methemoglobinemia.

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## 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.

## 14. Transport Information:

### Domestic (Land, D.O.T.)

Proper Shipping Name	: POTASSIUM BROMIDE
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	: POTASSIUM BROMIDE
Hazard Class	: Not Regulated
UN/NA	: Not Regulated
Packing Group	: Not Regulated
Information reported for product/size	: 500G

### International (Air, I.C.A.O.)

Proper Shipping Name	: POTASSIUM BROMIDE
Hazard Class	: Not Regulated
UN/NA	: Not Regulated
Packing Group	: Not Regulated
Information reported for product/size	: 500

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## 15. Regulatory Information:

### Federal and State Regulations:

TSCA 8(b) inventory: Potassium Bromide.

### 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.

## 16. Other Information

Version no : WCPL - KBr- SDS - 001

Date of Creation : 10 - Nov - 2019

E-mail ID : [info@windiachemicals.com](mailto:info@windiachemicals.com)

### *Disclaimer*

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Approved By QC Manager  
Govindaraj 26/02/2022

