

**ESKAY IODINE PVT. LTD, JHAGADIA**  
**Plot No. 907/2, GIDC, ESTATE, Jhagadia, Gujarat-393110**

## **SDS : POTASSIUM BROMIDE**

### **SECTION-1 : IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING**

**1.1. Product identifier**

**Trade name:** Potassium Bromide  
**CAS Number:** 7758-02-3  
**EC number:** 231-830-3

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Laboratory chemicals, Manufacture of substances

**1.3. Application of the substance / the mixture**

Chemical for various applications, Laboratory chemical

**1.4. Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:** ESKAY IODINE PVT. LTD.  
Plot no: 907/2, GIDC Estate,  
Jhagadia, Dist: Bharuch  
Gujarat-393110, INDIA  
**Emergency telephone number:** +91 7567039300, +91-022-66227575  
Contact no: 7567039300  
Email: [sunilgsharda@sk1932.com](mailto:sunilgsharda@sk1932.com)

### **SECTION-2 HAZARD IDENTIFICATION**

**2.1. Classification of the substance or mixture** Classification according to Regulation (EC) No 1272/2008 Eye irritation (Category 2), H319 For the full text of the H-Statements mentioned in this Section, see Section 16. 2.2 Label elements Labeling according Regulation (EC) No 1272

**2.2. GHS pictograms**



GHS07

**Information concerning particular hazards for human and environment:** Not applicable.

**2.3. Label elements**

**2.4. Labelling according to EU guidelines:**

The substance is not subject to classification according to the sources of literature known to us. Observe the general safety regulations when handling chemicals. Hazard statement (s) H319 Causes serious eye irritation. Precautionary statement(s) P280 Wear eye protection/ face protection. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/ attention. Supplemental Hazard Statements none

**2.5. Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**

**3.1 Chemical characterization: Substances**

**Description** Potassium Bromide  
**CAS No.** 7758-02-3  
**EC number** 231-830-3

#### SECTION 4 – FIRST AID MEASURES

##### 4.1. Description of first aid measures

<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>If inhaled</b>	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>In case of skin contact</b>	Wash off with soap and plenty of water. Consult a physician. In case of eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>If swallowed</b>	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2. **Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11

4.3. **Indication of any immediate medical attention and special treatment needed:** No data available

#### SECTION 5 – FIRE FIGHTING MEASURES

- 5.1 **Extinguishing media** Extinguishing media Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 5.2 **Special hazards arising from the substance or mixture:** Hydrogen bromide gas, Potassium oxides
- 5.3 **Advice for firefighters** Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.
- 5.4 **Further information** No data available

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.
- 6.2 **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- 6.3 **Methods and material for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
- 6.4 **Reference to other sections:** Reference to other sections For disposal see section 13.

#### SECTION 7 – HANDLING & STORAGE

- 7.1. **Precautions for safe handling** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust Ventilation at places where dust is formed. For precautions see section 2.2.
- 7.2. **Conditions for safe storage, including any incompatibilities** Store at ambient temperature. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic
- 7.3. **Specific end use(s)** Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

#### SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 **Control parameters** Components with workplace control parameters
- 8.2 **Exposure controls**
- Personal protective equipment**
- Eye/face protection** Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- Skin protection** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves

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	after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.
<b>Full contact Material:</b>	Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)
<b>Splash contact Material:</b>	Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)
<b>data source:</b>	KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.
<b>Body Protection</b>	Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
<b>Respiratory protection</b>	For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
<b>Control of environmental exposure:</b>	Do not let product enter drains.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Appearance:**

<b>Form:</b>	Crystalline
<b>Color:</b>	Colorless
<b>Odor:</b>	Odorless
<b>Odour threshold:</b>	Not determined.
<b>pH-value at 20 °C:</b>	5,0 - 6 at 119 g/l at 25 °C

**Change in condition**

<b>Melting point/Melting range:</b>	734 °C
<b>Boiling point/Boiling range:</b>	10435 °C
<b>Flash point:</b>	Not applicable.
<b>Flammability (solid, gaseous):</b>	Product is not flammable.
<b>Decomposition temperature:</b>	Not determined.
<b>Auto igniting:</b>	Not determined.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	<b>Lower:</b> Not determined. <b>Upper:</b> Not determined.
<b>Vapor pressure:</b>	1 hPa at 795 °C,
<b>Density at 20 °C:</b>	3.13 g/cm <sup>3</sup>
<b>Bulk density at 20 °C:</b>	1500 kg/m <sup>3</sup>
<b>Relative density</b>	2.750 g/cm <sup>3</sup>
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.

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**Solubility in / Miscibility with Water at 20 °C:** 119 g/l

**Partition coefficient (n-octanol/water):** Not determined.

**Viscosity:** **Dynamic:** Not applicable.

**Kinematic:** Not applicable.

9.2 **Other information :** No further relevant information available.

**SECTION 10 – STABILITY AND REACTIVITY**

- |   |   |
|---|---|
| 10.1. <b>Chemical stability</b>                 | Stable under recommended storage  |
| 10.2. <b>Possibility of hazardous reactions</b> | No dangerous reactions known.   |
| 10.3. <b>Conditions to avoid</b>                | Exposure to moisture.   |
| 10.4. <b>Incompatible materials:</b>            | Strong oxidizing agents, Strong acids, Heavy metal salts, Aluminum, Potassium   |
| 10.5. <b>Hazardous decomposition products:</b>  | Hazardous decomposition products formed under fire conditions. - Hydrogen bromide gas, Potassium oxides Other decomposition products - No data available In the event of fire: See chapter: 5 |

**SECTION 11 – TOXICOLOGY INFORMATION**

**11.1. Information on toxicological effects**

**Acute toxicity LD50**

Oral - Rat - male and female - > 2.000 mg/kg (OECD Test Guideline 401)

**Skin corrosion/irritation Skin**

Rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404)

**Serious eye damage/eye irritation Eyes**

Rabbit Result: Irritating to eyes. (OECD Test Guideline 405)

**Respiratory or skin sensitization**

No data available

Germ cell mutagen city Laboratory experiments have shown mutagenic effects. Ames test Salmonella typhimurium Result: negative

**Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

No data available

**Specific target organ toxicity**

single exposure No data available

**Specific target organ toxicity**

repeated exposure : No data available,

Aspiration hazard No data available

**Additional Information**

Repeated dose toxicity - Rat - male - Oral - No observed adverse effect level - 16,5 mg/kg RTECS: TS7650000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Liver - Irregularities - Based on Human Evidence

**SECTION 12– ECOLOGICAL INFORMATION**

- |  |  |
|--|--|
| 12.1. <b>Toxicity</b>                      | Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - > 30 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates Immobilization EC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (OECD Test Guideline 202) |
| 12.2. <b>Persistence and degradability</b> | No further relevant information available  |
| 12.3. <b>Bio accumulative potential</b>    | No further relevant information available.   |
| 12.4. <b>Mobility in Soil</b>              | No further relevant information available.   |
| 12.5. <b>Results of PBT and vPvB</b>       | This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher                                  |
| 12.6. <b>Other adverse effects</b>         | No further relevant information available.   |

**SECTION 13 – DISPOSAL INFORMATION**

**13.1. Disposal Considerations**

**Waste treatment methods**

**Recommendation:**

Product Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an after burner and scrubber.

**Uncleaned packagings:**

**Recommendation:**

Disposal must be made according to official regulations. Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

**SECTION 14 – TRANSPORTATION INFORMATION**

14.1. <b>UN number</b>	Void
14.2. <b>UN proper shipping name</b>	Void
14.3. <b>Transport hazard class (es)</b>	Void
14.4. <b>Packing group</b>	Void
14.5. <b>Environmental hazards</b>	No
14.6. <b>Special precautions for user</b>	Not dangerous according to the above specifications.

**SECTION 15 – REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Substance is not listed

**15.2 Chemical safety assessment:**

Not necessary for these small amounts

**SECTION-16 : OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing MSDS:**

EHS/QA

**Contact:**

Mr Rajendra Deore / Mr Bhavesh Dhragdhria

**Abbreviations and acronyms:**

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard, Category 1