

MATERIAL SAFETY DATA SHEET

Product Name: Potassium bromide

CAS No.: 7758-02-3

Version: 0

1. Identification

Product Code : 90207, 90497
Company Name : Advent Chembio Private Limited
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2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
POTASSIUM BROMIDE	7758-02-3	98- 100%

3. Hazards Identification**Hazard classification****Health hazards**

Specific target organ toxicity - single exposure : Category 3

Environmental hazards

Acute hazards to the aquatic environment : Category 3

Labels elements**Hazard symbol**

Signal word : Warning.

Hazard statement : May cause respiratory irritation.
May cause drowsiness or dizziness.
Harmful to aquatic life.

Precautionary statement**Prevention**

: Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment.

Response

: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

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- Disposal** : Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
- Other hazards which do not result in GHS classification** : None.

4. First Aid Measures

- General information** : Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance.
- Ingestion** : Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
- Inhalation** : Move to fresh air. Get medical attention if symptoms persist.
- Skin contact** : Wash skin thoroughly with soap and water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.
- Eye contact** : Flush thoroughly with water. If irritation occurs, get medical assistance.
- Most important symptoms/effects, acute and delayed** : May cause irritation to skin, eyes, and respiratory tract.
- Indication of immediate medical attention and special treatment needed** : Treat symptomatically. Symptoms may be delayed.

5. Fire fighting measures

- General fire hazards** : No unusual fire or explosion hazards noted.
- Suitable (and unsuitable) extinguishing media**
- Suitable extinguishing media** : Use fire-extinguishing media appropriate for surrounding materials.
- Unsuitable extinguishing media** : None known.
- Specific hazards arising from the chemical** : During fire, gases hazardous to health may be formed.
- Special protective equipment and precautions for firefighters**
- Special fire fighting procedures** : Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Cool containers exposed to flames with water until well after the fire is out.
- Special protective equipment for fire-fighters** : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

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6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures** : Keep unauthorized personnel away. Keep upwind. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- Methods and material for containment and cleaning up** : Sweep up and place in a clearly labeled container for chemical waste. Avoid dust formation. Clean surface thoroughly to remove residual contamination.
- Notification Procedures** : Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
- Environmental precautions** : Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground .

7. Handling and Storage

- Precautions for safe handling** : Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Do not taste or swallow. Wash thoroughly after handling.
- Conditions for safe storage, including any incompatibilities** : Keep container tightly closed. Store in a well-ventilated place. Store in cool, dry place .

8. Exposure Controls Personal Protection

- Control parameters**
- Occupational exposure limits** : None of the components have assigned exposure limits.
- Appropriate engineering controls** : No data available.
- Individual protection measures, such as personal protective equipment**
- General information** : No data available.
- Eye/face protection** : Use tight fitting goggles if dust is generated.
- Hand protection** : Wear protective gloves.
- Other** : Wear suitable protective clothing and gloves.
- Respiratory protection** : In case of inadequate ventilation, use respiratory protection.
- Hygiene measures** : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Provide eyewash station and safety shower.

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9. Physical and Chemical Properties

Appearance	:	White Solid Granules or powder
Odor	:	Odorless
pH	:	No data available.
Melting point/freezing point	:	730 °C
Initial boiling point and boiling range	:	1,435 °C
Flash Point	:	No data available
Vapor pressure	:	Estimated < 0.01 kPa (25 °C)
Vapor density	:	No data available
Relative density	:	2.75 (25 °C)
Solubility in water	:	678 g/l (25 °C) 1,020 g/l (100 °C)
Solubility (other)	:	glycerol: 217 g/l (25 °C) ethanol: 47.6 g/l (80 °C)
Formula	:	BrK
Molecular Weight	:	119.01 g/mol

10. Stability and Reactivity

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable; however, may decompose if heated.
Possibility of hazardous reactions	:	Hazardous polymerization does not occur.
Conditions to avoid	:	Contact with incompatible materials. Excessive heat.
Incompatible materials	:	Strong oxidizing agents. Acids.
Hazardous decomposition products	:	By heating and fire, irritating vapors/gases may be formed.

11. Toxicological Information**Information on likely routes of exposure**

Ingestion	:	May be harmful if swallowed.
Inhalation	:	May cause irritation to the respiratory system.
Skin contact	:	May cause irritation.
Eye contact	:	May cause temporary eye irritation.

Information on toxicological effects**Acute toxicity (list all possible routes of exposure)**

Oral Product	:	LD 50 (Mouse): Approximate 1,700 mg/kg .
Dermal Product	:	No data available.

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Inhalation Product	:	No data available
Repeated dose toxicity Product	:	No data available.
Skin corrosion/irritation Product	:	May cause skin irritation.
Serious eye damage/eye irritation Product	:	May irritate eyes.
Respiratory or skin sensitization Product	:	Not a skin sensitizer.
Carcinogenicity Product	:	This substance has no evidence of carcinogenic properties.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans DIOXANE	:	No carcinogenic components identified.
US. National Toxicology Program (NTP) Report on Carcinogens DIOXANE	:	No carcinogenic components identified.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	:	No carcinogenic components identified.
Germ cell mutagenicity In vitro Product	:	No mutagenic components identified.
In vivo Product	:	No mutagenic components identified.
Reproductive toxicity Product	:	No components toxic to reproduction.
Specific target organ toxicity - single exposure Product	:	Narcotic effect. Respiratory tract irritation.
Specific target organ toxicity - repeated exposure Product	:	None known
Aspiration hazard Product	:	Not classified
Other effects	:	None known.

12. Ecological Information**Ecotoxicity****Acute hazards to the aquatic environment :**

Fish Product	:	No data available.
Specified substance(s): POTASSIUM BROMIDE	:	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 30 mg/l Mortality
Aquatic invertebrates Product	:	No data available.
Specified substance(s): POTASSIUM BROMIDE	:	LC 50 (Fathead minnow (Pimephales promelas), 96 h): > 30 mg/l Mortality

Chronic hazards to the aquatic environment :

Fish Product	:	No data available.
Aquatic invertebrates Product	:	No data available.
Toxicity to Aquatic Plants Product:	:	No data available.
Persistence and degradability	:	
Biodegradation Product	:	There are no data on the degradability of this product.
BOD/COD ratio Product	:	No data available.
Bioaccumulative potential	:	

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Bioconcentration factor (BCF) Product : No data available on bioaccumulation.
Partition coefficient n-octanol / water (log Kow) Product : No data available.
Mobility in soil : No data available.
Other adverse effects : No data available

13. Disposal consideration

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated packaging : Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT			Not regulated.		
IMDG			Not regulated.		
IATA			Not regulated.		

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

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16. Other Information

NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue Date :01/08/2014

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