

MATERIAL SAFETY DATA SHEET**Product Name:** Sodium bromide**CAS No.:** 7647-15-6**Version:** 0**1. Identification**

Product Code : 90238, 90544
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2. Composition/Information on Ingredients

| Ingredient | CAS No | Percent |
|-------------------|---------------|----------------|
| SODIUM BROMIDE | 7647-15-6 | 100% |

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

Serious eye damage/eye irritation : Category 2

Environmental hazards

Acute hazards to the aquatic environment : Category 1

Labels elements**Hazard symbol****Signal word** : Warning.**Hazard statement** : Causes eye irritation.
Very toxic to aquatic life.**Precautionary statement****Prevention** : Wash hands thoroughly after handling. Avoid release to the environment.**Response** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Collect spillage.**Storage:** : Store in a well-ventilated place. Keep container tightly closed. Store locked up.**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.

MATERIAL SAFETY DATA SHEET**Product Name:** Sodium bromide**CAS No.:** 7647-15-6**Version:** 0**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 thoroughly. 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 irritation persists after washing. Wash contaminated clothing before reuse .
- Eye contact** : Flush thoroughly with water. If irritation occurs, get medical assistance.
- Most important symptoms/effects, acute and delayed** : Irritating to eyes, respiratory system and skin.
- Indication of immediate medical attention and special treatment needed** : Treat symptomatically. Symptoms may be delayed.

5. Fire fighting measures

- General fire hazards** : In case of fire and/or explosion do not breathe fumes.
- 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.
- 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. Use personal protective equipment. 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. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.
- Notification Procedures** : Prevent entry into waterways, sewer, basements or confined areas. Stop leak if you can do so without risk. 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 inhalation of dust. Wash thoroughly after handling. Avoid contact with eyes. Avoid contact with skin.
- Conditions for safe storage, including any incompatibilities** : Keep container tightly closed. Store in a well-ventilated place. Store in a dry place. Store locked up.

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** : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area.
- Eye/face protection** : Use tight fitting goggles if dust is generated.
- Hand protection** : Wear protective gloves.
- Other** : Wear suitable protective clothing.
- Respiratory protection** : In case of inadequate ventilation use suitable respirator.

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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.

9. Physical and Chemical Properties

Appearance : White Solid Granules Crystals or powder.
Odor : Odorless
pH : 6.5 - 8.0
Melting point/freezing point : 755 °C
Initial boiling point and boiling range : 1,390 °C
Flash Point : No data available
Vapor pressure : No data available
Vapor density : No data available
Relative density : 3.21 (20 °C)
Solubility in water : 1,160 g/l (50 °C)
: alcohol: Approximate 0.0625 g/ml
Solubility (other) : methanol: 0.17 g/ml
Formula : BrNa
Molecular Weight : 102.89 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 : Moisture. Contact with incompatible materials.
Incompatible materials : Strong oxidizing agents. Acids. Alkalies. Bromides. Inorganic salts.
Hazardous decomposition products : By heating and fire, toxic vapors/gases may be formed. Halogens.

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

Ingestion : May cause irritation of the gastrointestinal tract.
Inhalation : May be harmful if inhaled.
Skin contact : May be harmful in contact with skin.
Eye contact : Causes eye irritation.

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| | | |
|--|---|--|
| Oral Product | : | No data available. |
| Dermal Product | : | No data available. |
| Inhalation Product | : | No data available. |
| Repeated dose toxicity Product | : | No data available. |
| Skin corrosion/irritation Product | : | May be harmful in contact with skin. |
| Serious eye damage/eye irritation Product | : | Causes eye irritation. |
| 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 data available. |
| Specific target organ toxicity - single exposure Product | : | Respiratory tract irritation. |
| Specific target organ toxicity - repeated exposure Product | : | No data available. |
| Aspiration hazard Product | : | Not classified |
| Other effects | : | None known. |

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

| | | |
|--------------------------------------|---|--------------------|
| Fish Product | : | No data available. |
| Aquatic invertebrates Product | : | No data available. |

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. |

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Bioaccumulative potential
Bioconcentration factor (BCF) : No data available on bioaccumulation.
Product
Partition coefficient n-octanol / water (log Kow) Product : No data available.
Mobility in soil : No data available.
Other adverse effects : None known.

13. Disposal consideration

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws. 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.
Contaminated packaging : Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

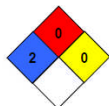
| | UN No. | UN proper shipping name | Hazard Class(es) | Packaging group | Marine Pollutant |
|-------------|--------|-------------------------|------------------|-----------------|------------------|
| DOT | | | Not regulated. | | |
| IMDG | | | Not regulated. | | |
| IATA | | | Not regulated. | |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

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.

16. Other Information**NFPA Hazard ID**

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|-----------------|
| Flammability |
| Health |
| Reactivity |
| Special hazard. |

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

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