MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: IODINE MONOBROMIDE
CAS#: 7789-33-5
Synonym: Iodine Bromide
Chemical Name: Iodine Monobromide
Chemical Formula: BrI

Composition and Information on Ingredients

Name	S.K.U	% by Weight
IODINE MONOBROMIDE	GCS-5741	100

Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Skin corrosion (Category 1B), H314
For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

C Corrosive R34
For the full text of the R-phrases mentioned in this Section, see Section 16.

Label elements

Labelling according Regulation (EC) No 1272/2008
Hazard statement(s): H314 Causes severe skin burns and eye damage.

Precautionary statement(s)

P280 Wear protective gloves/ protective clothing/ 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.
P310 Immediately call a POISON CENTER or doctor/ physician.

Supplemental Hazard Statements: None

Other hazards: None

First Aid Measures

Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact: Take off contaminated clothing and shoes immediately. 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.
If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see section 2.2).
Indication of any immediate medical attention and special treatment needed: No data available.

Fire and Explosion Data

Extinguishing media

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: Hydrogen bromide gas, Hydrogen iodide.

Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.

Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions: Do not let product enter drains.

Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Handling and Storage

Precautions for safe handling

Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8 °C. Air, light, and moisture sensitive. Store under inert gas.

Specific end use(s): A part from the uses mentioned in section 1.2 no other specific uses are stipulated.

Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters Exposure controls

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection:

Face shield and safety glasses 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 after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection:

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let product enter drains.

Physical and Chemical Properties

Appearance Form : Solid

Odour : No data available
Odour Threshold : No data available
Molecular Weight : 206,81 g/mol
pH : No data available
Melting point : 42 - 50 °C - lit.
Boiling range : No data available

Flash point : Not applicable
Evapouration rate : No data available
Flammability (solid, gas) : No data available
Explosive limits : No data available
Vapour pressure : No data available
Vapour density : No data available
Relative density : 4,416 g/cm3 at 25 °C
Water solubility : No data available
Partition coefficient: noctanol/water: No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity : No data available
Explosive properties : No data available
Oxidizing properties : No data available

Stability and Reactivity Data

Reactivity: No data available
Chemical stability: Stable under recommended storage conditions. Possibility of hazardous reactions: No data available Conditions to avoid: Air Avoid moisture. Light.
Incompatible materials: Forms shock-sensitive mixtures with certain other materials, Alcohols, Phosphorus, Sodium/sodium Oxides, Potassium

Hazardous decomposition products:

Other decomposition products - no data available

Toxicological Information

Information on toxicological effects Acute toxicity: No data available

Skin corrosion/irritation: No data available
Serious eye damage/eye irritation:
No data available
Respiratory or skin sensitization:
No data available
Germ cell mutagenicity:
No data available

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: Laboratory experiments have shown teratogenic effects.

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
RTECS: Not available
Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Cough, Shortness of breath, Headache, Nausea

Ecological Information

Toxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT and vpvb assessment

PBT/vpvb assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects: No data available.

Disposal Considerations

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contact a licensed

Professional waste disposal service to dispose of this material. Dissolve or mix the

material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

Transformation Information

Land transport (ADR-RID)

Proper shipping name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Iodine bromide).
UN N°: 3260
ADR - Class: 8 Labelling –
Transport: 8 ADR - Group: II

Sea transport (IMDG) [English only]

Proper shipping name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Iodine bromide).
UN N°: 3260

IMO-IMDG - Class or division: 8

IMO-IMDG - Packing group: II

Air transport (ICAO-IATA) [English only]

Proper shipping name: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Iodine bromide).
UN N°: 3260

IATA - Class or division: 8

IATA - Packing group: II

Other 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.

Chemical Safety Assessment: For this product a chemical safety assessment was not carried out.

Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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