

MATERIAL SAFETY DATA SHEET

This sheet is to inform you of any hazards that may be associated with this product. However, Thermo Electron Corporation claims no responsibility for its completeness or accuracy. This data does not relate to any use of this product, alone or in combination with any other material or process.

Thermo

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General Information

Product name: Potassium bromide

Hazardous Ingredients/Identity Information

Chemical characterization: Inorganic salt

CAS number: 7758-02-3

EEC number: N/A

Physical/Chemical Characteristics

Form: Solid
Color: Colorless to white
Odor: Odorless
Melting temperature: 730°C
Boiling temperature: 1380°C
Density (g/mL): 2.75
Solubility in water: Very soluble

Fire and Explosion Hazard Data

Fire-fighting measures

Special risks: May evolve toxic fumes in fire.

Suitable extinguishing media: Not applicable

Reactivity Data

Stable

Substances to be avoided: Acids, halogen-halogen compounds

Health Hazard Data

First-aid measures

Eye contact: Irrigate thoroughly with water. If discomfort persists, obtain medical attention.

Inhalation: Remove from exposure.

Skin contact: Wash off thoroughly with soap and water.

Ingestion: Wash out mouth thoroughly with water. In severe cases obtain medical attention.

Precautions for Safe Handling and Use

Accidental release measures

Wear appropriate protective clothing.

If local regulations permit, mop up with plenty of water and dispose of mopped up material in a waste drain, diluting greatly with running water. Otherwise, transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated the same as small spillages.

Storage

Store at room temperature (15° to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

Toxicological information

The data we have available is not sufficient to permit an industrial-toxicological assessment. The following applies to inorganic bromides in general: The uptake of large quantities as a result of misuse or improper handling leads to tiredness, agitation and spasms. However, when the material is handled properly, hazardous effects are unlikely to occur.

No evidence of carcinogenic properties. Evidence of mutagenic effects.

Control Measures

Exposure controls/personal protection

As appropriate to quantity handled.

Respirator:	Dust respirator
Ventilation:	Extraction hood
Gloves:	Rubber or plastic
Eye protection:	Goggles or face-shield
Other precautions:	Plastic apron, sleeves, boots if handling large quantities

Transportation Data

UN-NO.:	
UMO:	NR
IATA:	NR
Correct technical name:	Not restricted
ADR/RID:	NR
IMDG class:	NR
Packaging group:	

Disposal Data

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

Chemical residues are generally classified as special waste and as such are covered by regulations that vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company.

Please comply with local, state and federal regulations governing disposal.

Label Data

Labeling according to EEC directives

Symbol:

R-phrases:

S-phrases:

EEC No.:

Local regulations

UK exposure limits: None assigned.

Other information:

Disclaimer

We have compiled the information and regulations contained in this Material Safety Data Sheet from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the MSDS was prepared. No warranty, quantity or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products.

