

SECTION 1. IDENTIFICATION

Product Name: Bismuth
Recommended use: Industrial or Professional

Info furnished by: Hallmark Metals Corporation
Address: 930 Wellington Avenue
Cranston, RI 02910
Ph: 401-467-8000
Fx: 401-467-2111

Emergency Telephone Number
Poison Control: 1-800-222-1222

SECTION 2. HAZARDS IDENTIFICATION

Signal Word: N/A

Hazard Statements: Not classified as toxic or hazardous.

Precautionary Statements: Avoid breathing dust or fumes. Use only in well ventilated area.
Wash hands thoroughly after handling. Dispose of in accordance with local and federal regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Element	CAS	%WT	Carcinogen	TLV/TWA
Bismuth	7440-69-9	99.99	No	NE

SECTION 4. FIRST AID MEASURES

Generally not hazardous in normal handling, however, good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but it is not necessary to induce.

SECTION 5. FIRE - FIGHTING MEASURES

Fire Extinguisher Type: Special powder or dry sand. Do not use water!

Fire/Explosion Hazards: Dust at sufficient concentrations can form explosive mixtures with air.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

No special precautions are necessary for spills of bulk material. If large quantities of dust are spilled, remove by vacuuming or wet sweeping to prevent heavy concentrations of airborne dust. Clean-up personnel should wear respirators and protective clothing.

Metal can be reclaimed for refuse. Follow federal, state, and local regulations regarding disposal.

SECTION 7. HANDLING AND STORAGE

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Keep container tightly closed in a dry and well-ventilated place.

Air and moisture sensitive. Handle and store under inert gas. Keep in dry place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Use general and local exhaust ventilation to keep airborne concentrations of dust or fume below the TLV. Employees should wear OSAH or NIOSH approved respirators for protection against airborne dust or fumes. Full protective clothing should be worn by workers exposed to heavy concentrations of dust, and showering should be required before changing into street clothes. Gloves and barrier creams may be necessary to prevent skin sensitization and dermatitis.

Approved safety glasses or goggles should be worn when working with dusty material and molten metal. Safety stations should be provided in close proximity to work areas.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Melting Point	520° F
Boiling Point	2642
Vapor Pressure	Not Volatile
Vapor Density (air is 1)	Not Volatile
Solubility in Water	NIL
Appearance & Color	Silver to gray metal
Specific Gravity g/cc	9.80
Lbs.cu.in	0.3541
Atomic Weight	209
Odor	None
% Volatile	Nil
pH	N/A
Evaporation	N/A

SECTION 10. STABILITY AND REACTIVITY

Bismuth

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

SECTION 11. TOXICOLOGICAL INFORMATION

Inhalation – May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion – May be harmful if swallowed

Skin – May be harmful if absorbed through skin. Causes skin irritation.

Eyes – Causes eye irritation

SECTION 13. DISPOSAL CONSIDERATIONS

Metal can be claimed for refuse. Follow Federal, State, and local regulations regarding disposal.

SECTION 16. OTHER INFORMATION

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END OF SDS