

CAS No: 7440-74-6
RTECS No: NL1050000

In
Atomic mass: 114.82

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Not combustible.	If powder: NO open flames, NO sparks, and NO smoking.	In case of fire in the surroundings: all extinguishing agents allowed.
EXPLOSION	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	

EXPOSURE		PREVENT DISPERSION OF DUST!	
Inhalation	Cough. Shortness of breath. Sore throat.	Local exhaust or breathing protection.	Fresh air, rest. Refer for medical attention.
Skin		Protective gloves.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
Eyes	Redness. Pain.	Safety spectacles, or eye protection in combination with breathing protection if powder.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Nausea. Vomiting.	Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth.

SPILLAGE DISPOSAL

Remove all ignition sources, if powder. Sweep spilled substance into containers; if appropriate, moisten first to prevent dusting. Carefully collect remainder, then remove to safe place. (Extra personal protection: P3 filter respirator for toxic particles.)

PACKAGING & LABELLING**EMERGENCY RESPONSE****STORAGE**

Separated from food and feedstuffs, strong oxidants, strong acids, and other incompatible materials. See Chemical Dangers. Well closed.

IMPORTANT DATA

Physical State; Appearance

SILVER-WHITE METAL OR BLACK POWDER.

Physical dangers

Dust explosion possible if in powder or granular form, mixed with air.

Chemical dangers

Reacts with strong acids, strong oxidants and sulfur causing fire and explosion hazard.

Occupational exposure limits

TLV: 0.1 mg/m³ (ACGIH 2000).

Routes of exposure

The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.

Inhalation risk

Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly.

Effects of short-term exposure

The substance is irritating to the eyes and the respiratory tract.

Effects of long-term or repeated exposure

The substance may have effects on the kidneys, resulting in kidney impairment.

PHYSICAL PROPERTIES

Boiling point: 2000°C
Melting point: 156.6°C

Density: 7.3 g/cm³
Solubility in water: none

ENVIRONMENTAL DATA

NOTES

Environmental effects from the substance have not been investigated. Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken.

ADDITIONAL INFORMATION

LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible for the use which might be made of this information