

MAGNESIUM (PELLETS)**0701**

March 1995

CAS No: 7439-95-4
 RTECS No: OM2100000
 UN No: 1869
 EC No: 012-002-00-9

Magnesium turnings
 Mg
 Atomic mass: 24.3

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Highly flammable in powder form. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames, NO sparks, and NO smoking. NO contact with moisture or acid.	Dry sand. Special powder. NO hydrous agents. NO water.
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.	Local exhaust or breathing protection.	Fresh air, rest.
Skin		Protective gloves.	Rinse skin with plenty of water or shower.
Eyes	Redness. Pain.	Safety goggles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion		Do not eat, drink, or smoke during work.	Rinse mouth.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into containers. Do NOT wash away into sewer. Carefully collect remainder, then remove to safe place. Personal protection: P2 filter respirator for harmful particles.	F Symbol R: 11-15 S: (2-)7/8-43 UN Hazard Class: 4.1 UN Pack Group: III Airtight.

EMERGENCY RESPONSE	SAFE STORAGE
Transport Emergency Card: TEC (R)-41GF3-II+III NFPA Code: H0; F1; R1	Fireproof. Separated from strong oxidants, acids, carbonates, halogens. Dry.

IMPORTANT DATA**Physical State; Appearance**

SILVERY-WHITE METALLIC SOLID IN VARIOUS FORMS.

Chemical dangers

The substance may spontaneously ignite on contact with air if finely divided or on heating. Upon heating, toxic fumes are formed. The substance is a strong reducing agent and reacts violently with oxidants and many other substances, causing fire and explosion hazard. Reacts with moisture or acids, evolving combustible gas (Hydrogen - see ICSC 0001), causing fire and explosion hazard.

Occupational exposure limits

TLV not established.

Routes of exposure

The substance can be absorbed into the body by ingestion.

PHYSICAL PROPERTIES

Boiling point: 1100/C
Melting point: 649/C

Relative density (water = 1): 1.74
Solubility in water: reaction

ENVIRONMENTAL DATA**NOTES**

Magnesium burns with an intense flame. Avoid direct viewing of magnesium fires.
Reacts violently with fire extinguishing agents such as water, powder, carbon dioxide and halons.
Card has been partly updated in October 2004. See sections Occupational Exposure Limits, EU classification, Emergency Response.

ADDITIONAL INFORMATION**LEGAL NOTICE**

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