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MATERIAL SAFETY DATA SHEET

Section 1- PRODUCT IDENTIFICATION

COMPOSITION Mg	PRODUCT NAME Magnesium
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Section 2- HAZARDOUS INGREDIENTS

Note: Products under normal conditions do not represent an inhalation, ingestion or contact health hazard.

MATERIAL OR COMPONENT	CAS NUMBER	WT%	EXPOSURE LIMITS	
			OSHA PEL (Mg/M3)	ACGIH TLV(MG/M3)
Magnesium	7439-95-4	24.31	NE	NE

Section 3- PHYSICAL DATA

MATERIAL IS (AT NORMAL CONDITIONS) <input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Gas <input type="checkbox"/> Other	APPEARANCE AND ODOR Silver White Pieces. Odorless
MELTING POINT (BASE METAL) 648.8° C	SPECIFIC GRAVITY 1.74

Section 4- FIRE AND EXPLOSION

Flash Point (Method Used) N/A	Flammable Limits Non Flammable	LEL N.A.	UEL N.A.
EXTINGUISHING MEDIA Use G-1 powder or powdered talc; do not use water or other ordinary extinguishers.			
SPECIAL FIRED FIGHTING PROCEDURES Wear full face, self-contained breathing apparatus with full protective clothing. Isolate runoff to prevent pollution.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Must be heated above melting point to burn. Does not flare up violently without moisture.			

Section 5- REACTIVITY DATA

STABILITY Stable	INCOMPATABILITY (MATERIALS TO AVOID) Acids, Ethylene Oxides, Metal Oxosalts (See Section 9)
CONDITIONS TO AVOID None	
HAZARDOUS DECOMPOISTION PRODUCTS Oxygena & Magnesium acetylide.	

Section 6- HEALTH HAZARD GUIDE

MAJOR EXPOSURE HAZARD

Inhalation Skin Skin Absorption Eye Contact Ingestion

EFFECTS OF OVEREXPOSURE

INHALATION: May cause cough, mucous production, shortness of breath, nausea, malaise, muscular weakness and paralysis, general depression, ataxia, lethargy, listlessness, poor tendon reflexes, hypotension, coetaneous vasodilatation, increased sensitivity in the carotid sinuses and cardiac arrest.

INGESTION: May cause gastrointestinal disturbances.

SKIN: May cause redness, itching and chemical burns.

EYES: May cause redness, itching, burning and watering.

EMERGENCY & FIRST AID PROCEDURES

INHALATION: Remove victim to fresh air; keep warm and quiet; give oxygen if breathing is difficult and seek medical attention.

INGESTION: Give 1-2 glasses of milk or water and induce vomiting.

SKIN CONTACT: Remove contaminated clothing. Wash affected area with soap or mild detergent and large amounts of water.

EYE CONTACT: Flush eyes with lukewarm water lifting up the upper and lower lids for at least fifteen minutes. If irritation persists, seek medical attention.

Section 7- SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROCUDRES

Wear appropriate respiratory and protective equipment to prevent skin contact. Isolate spill area and provide ventilation and extinguish. Vacuum up spill using a high efficiency particulate absolute (HEPA) air filter and place in a closed container for proper disposal. Take care not to raise dust.

WASTE DISPOSAL METHODS

Dispose of in accordance with local, state and federal regulations.

Section 8- SPECIAL PROTECTION

RESPIRATORY:

NIOSH approved dust respirator.

VENTILATION

Local exhaust: To maintain concentration at or below the LEL. Mechanical: Not Recommended

EYE PROTECTION & PROTECTIVE CLOTHING

Safety glasses & rubber gloves.

Section 9- SPECIAL PRECAUTIONS

Implement engineering and work practice controls to reduce and maintain concentration of exposure at low levels. Use good housekeeping and sanitation practices. Do not use tobacco or food in work area. Wash thoroughly before eating and smoking. Do not blow dust off clothing or skin with compressed air.

Some of the chemicals listed herein are research or experimental substances which may be toxic, as defined by various governmental regulations. In accordance with Environmental Protection Agency regulations and the Toxic Substance Control Act (TSCA), these materials should only be handled by, or under direct supervision of a "technically qualified individual", as defined in 40 CFR 710.2(aa).

Section V Continued: AlKClO₄, Ba(NO₃)₂;BaO₂ + Zn; Bromobenzal trifluoride; CaC; carbonates; CDHCL₃; CuSO₄; Nh₄NO₃ + KClO₃ + H₂O; CuSO₄; Ch₃Cl;NO₂; Liquid Oxygen; metal cyanides, preformic acid; phosphates, sulfates & Na₂O₂

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