

# MATERIAL SAFETY DATA SHEET

Magnesium

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Magnesium  
Product Code: M0167  
Material Uses:  
Manufacturer: Science Stuff  
1104 Newport Ave  
Austin, TX 78753  
(512) 837-6020  
Entry Date : 6/11/2013  
Print Date: 6/11/2013  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	1
Flammability:	2
Reactivity:	2

Hazard Rating:  
Least Slight Moderate High Extreme  
0 1 2 3 4  
NA=Not Applicable NE=Not Established

## SECTION 2 HAZARD IDENTIFICATION

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Magnesium	CAS# 7439-95-4	100%	W/W	None established

## SECTION 4 FIRST AID MEASURES

Keep away from heat and ignition sources. Harmful if swallowed. Avoid breathing vapors. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

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: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

## SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Smother with dry graphite or suitable dry powder.  
Fire / Explosion Hazards: Powder may 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

Collect scrap in containers for remelting.

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**SECTION 7 HANDLING AND STORAGE**

Protect containers against physical damage. Store away from other combustibles in metal cabinet. Scraps should be kept dry prior to remelting operations.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: NIOSH/MSHA-approved respirator  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: Wear appropriate gloves to prevent skin exposure  
Eye Protection: Goggles and Face Shield  
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	1202 Deg F	Percent Volatile by Volume:	0
Boiling Point:	2030 Deg F	Evaporation Rate	0
Vapor Pressure:	1mm@621°C	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Negligible	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Silvery white	Upper Flamm. Limit in Air	Not applicable
Flash Point:	None		
Specific Gravity:	1.74		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Moisture, heat, sparks and flames  
Materials to Avoid: Water and acids will release hydrogen  
Hazardous Decomposition Products: Not known to occur  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

**SECTION 14 Transport Information**

DOT Classification: Magnesium Turnings, 4.1, UN1869, PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

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**SECTION 15 Regulatory Information**

**SECTION 16 Additional Information**

If inhaled remove to fresh air . If comes in contact with skin or eyes wash with water for atleast 15 minutes. Temporary symptoms may include fever, chills, nausea, vomiting, and muscular pain. Persons with pre-existing disorders may be more susceptible.

Flammability

Health

Reactivity

Revisions

NFPA

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