

Fisher Science Education
6771 Silver Crest Road, Nazareth, PA 18064 (800) 955-1177
Emergency Number: (800) 255-3924

Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Catalog Numbers: S25397
Product Identity: Magnesium, Turnings & Ribbons

Chemical Family: Not Applicable
Synonyms: Magnesium Metal
Recommended Use: Laboratory chemicals

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331
Emergency Contact Number (24hr): Chemtel (800) 255-3924

Issue Date: 06/15/12
Revision Date:

Section 2 – Hazard Identification

Emergency Overview

Contact with water can cause fire. May cause eye and skin irritation. Hygroscopic. Wash areas of contact with water.

Appearance: Silver White Solid **Odor:** Odorless

Target Organs: None

Potential Health Effects/ Routes of Exposure:

Eyes: May cause irritation.

Skin: May cause irritation.

Ingestion: May cause irritation.

Inhalation: May cause irritation to the respiratory system

Chronic Effect / Carcinogenicity: None (IARC, NTP, OSHA)

Aggravated Medical Conditions No information available

These chemicals are not considered hazardous by OSHA.

See section 11 for toxicological information. See section 12 for potential environmental effects.

Section 3 –Composition, Information on Ingredients

Magnesium, CAS# 7439-95-4

Section 4 – First Aid

Eyes: Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.

Skin: Flush with water for 15 minutes. Get medical assistance if irritation develops.

Ingestion: Do NOT induce vomiting. Get medical assistance.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Notes to Physician Treat symptomatically.

Section 5 – Fire Fighting Measures

Flash Point: Not Applicable **Autoignition Temperature** No information available.

Explosion Limits Upper No data available **Lower** No data available

Extinguishing Media: Sand, clay, or sodium bicarbonate.

Unsuitable Extinguishing Media: Do not use water, carbon dioxide, or foam.

Fire & Explosion Hazards: May react with water or acids to form explosive hydrogen gas.

Fire Fighting Instructions / Equipment: Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.

Hazardous Combustion Products: No information Available

Sensitivity to mechanical impact No information available.

Sensitivity to static discharge No information available.

Specific Hazards Arising from the Chemical: Keep product and empty container away from heat and sources of ignition.

NFPA Rating: (estimated) Health: 1; Flammable: 1; Reactivity: 1

Section 6 – Accidental Release Measures

Personal Precautions Use proper personal protective equipment. Avoid contact with skin, eyes and clothing.

Environmental Precautions Should not be released into environment

Methods for Containment and Clean Up Absorb and containerize for disposal. Avoid generating dust. Always obey local regulations.

Section 7 – Handling and Storage

Handling: Wash hands after handling. Avoid contact with skin and eyes.

Storage: Protect from freezing and physical damage. Keep away from ignition sources and water.

Section 8 – Exposure Controls, Personal Protection

Magnesium, CAS# 7439-95-4, ACGIH TLV: NA, OSHA PEL: NA

Engineering Measures/ General Hygiene: Normal ventilation is adequate. Ensure eyewash and safety showers are available.

Personal Protection Equipment: Skin Protection: Chemical resistant gloves.

Eye/Face Protection: Safety Glasses or goggles. **Respiratory Protection:** Normal ventilation is adequate.

Section 9 – Physical and Chemical Properties

Appearance/Physical State: Silver White Solid

Odor: Odorless

Boiling Point: 1107C

Melting Point: 650C

Vapor Density: Not available

Evaporation Rate: Not available

pH: Not available

Flammability: No Information Available

Solubility: Insoluble in water
available

Relative Density: No Information Available

% Volatility: No Information Available

Specific Gravity: 1.74

Vapor Pressure: Not available

Flash Point: Not Applicable

Coefficient of water/oil distribution: Not Available

Odor Threshold: Not Available

Decomposition Temperature: Not available

Partition Coefficient n-octanol/water: No data

Molecular Weight: 24.3

Section 10 – Stability and Reactivity

Chemical Stability: Hygroscopic.

Conditions to Avoid: Incompatible materials, exposure to moist air or water, excess heat, dust formation

Incompatible Materials: Oxidizing agents, acids, chlorinated solvents, halogens.

Hazardous Decomposition Products: magnesium oxides.

Hazardous Polymerization: Does not occur

Hazardous Reactions: None under normal processing.

Section 11 – Toxicological Information

Routes of Exposure/Symptoms/Corrosiveness – See Section 2

LD50 orl-rat: Not Available LC50 inhalation-rat: Not Available

Irritation: No Information Available

Toxicologically Synergistic: No Information Available

Chronic Exposure

Carcinogenicity There are no known carcinogenic chemicals in this product

Sensitization No information available.

Mutagenic Effects have occurred in experimental animals

Reproductive Effects No Information available.

Developmental Effects (Immediate/Delayed) No information available.

Teratogenicity No information available.

Other Adverse Effects No information available.

Endocrine Disruptor Information No information available

Section 12 – Ecological Information

Ecotoxicity: Should not be released into environment

Persistence and Degradability: No Information Available

Mobility: No information available

Bioaccumulation/ Accumulation: No Information Available

Section 13 – Disposal Considerations

Waste Disposal/Waste Disposal of Packaging: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Section 14 – Transport Information

DOT – Magnesium, UN1869, 4.1, III

Section 15 – Regulatory Information (not meant to be all inclusive)

OSHA Status: These chemicals are not considered hazardous by OSHA.

Canada DSL: These chemicals are on Canada's DSL list.

TSCA: The components of this solution are listed on the TSCA Inventory

SARA Title III Section 313: Not Applicable

RCRA Status: Not Applicable

CERCLA Reportable Quantity: Not Applicable

WHMIS: B4

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

Section 16 – Additional Information

Disclaimer: The information on this MSDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to determine the suitability and completeness of this information for his own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products use.