

## **Material Safety Data Sheet**

Identity: Magnesium sulfide

Formula: MgS

### SECTION I - GENERAL INFORMATION

Manufacturer: [Stanford Advanced Materials](#) (SAM)

The information below is believed to be accurate and represents the best information available to SAM. However, SAM makes no warranty, expressed or implied with respect to such information and assumes no liability resulting from its use.

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

CAS #	OSHA PEL	ACGIH TLV	Other	%
12032-36-9		N/A		100%

### SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

Physical States: Solid

Boiling Point: N/A  
2000 °C

Rate: N/A

Solubility in water: Decomposes

Vapor Pressure: N/A Melting Point:

Vapor Density: N/A Evaporation

Specific Gravity (water=1): 2.84

*Appearance and odor:*

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA:

*Flammability:* No

*Flash Point:* N/A

*Means of Extinction:*

Wear protective fire fighting clothing and self contained breathing apparatus. Do not use water. Use carbon dioxide, dry chemical extinguishing agents, dry sand, or dry ground dolomite.

### SECTION V - REACTIVITY DATA

*Stability:* Unstable

*Conditions to Avoid (stability):* Air/Moisture

*Incompatibility Materials to Avoid:* Water, moisture, steams acids and oxidizing agents.

SECTION VI - HEALTH HAZARD DATA

Routes of entry: Inhalation? Yes      Skin? Yes

Acute Exposure:

Inhalation:

Acute: May cause a red dry throat, coughing, irritation of the nose, sneezing, complexion, cold sweat, diarrhea, muscular weakness and drowsiness.

Ingestion:

Acute: May cause gastrointestinal disturbances.

Skin:

Acute: May cause redness, burning sensation, inflammation and itching.

Eye:

Acute: May cause burning sensation, irritation, redness and watering.

Target Organ:

Carcinogenicity: NTP? No      IARC Monographs? No      OSHA Regulated? No

Medical Conditions Aggravated by Exposure:

Emergency and First Aid Procedures:

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

Ingestion: Give 1-2 glasses of milk or water and induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth to an unconscious person.

Skin: Remove contaminated clothing, brush material off skin, wash affected area with mild soap and water, and seek medical attention.

Eye: Flush eyes with lukewarm water, lifting upper and lower eyelids for at least 15 minutes and seek medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

*Steps to be taken in case material is released or spilled:*

Wear appropriate respiratory and protective equipment specified in section VIII-Control Measures. Isolate spill area, provide ventilation. 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. Use non-sparking tools.

*Waste disposal method:*

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

*Hazard Label Information:*

Store in cool, dry area and in tightly sealed container. Wash thoroughly after handling. .

SECTION VIII - CONTROL MEASURES

*Protective Equipment Summary (Hazard Label Information):*

NIOSH/MSHA approved respirator, impervious gloves, safety glasses, clothes to prevent contact.

*Respiratory Protection (Specify Type):* NIOSH – approved dust respirator.

*Ventilation:*

Local Exhaust: To maintain concentration at low exposure levels.

Mechanical (General): Recommended.

*Protective Gloves:* Rubber gloves

*Eye Protection:* Safety glasses

*Other Protective Clothing or Equipment:* Protective gear suitable to prevent contamination.

*Work/Hygienic/Maintenance Practices:*

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 or smoking. Do not blow dust off clothing or skin with compressed air.

Please be advised that N/A can either mean Not Applicable or No Data Has Been Established