

Section 3. Composition / information on ingredients

Chemical or common name:	Magnesium sulfide
Chemical formula:	MgS
Single Substance or Compound:	Single substance
Composition:	100%
CAS #:	12032-36-9
RTECS#:	not listed
TSCA inventory :	listed
EINECS:	2347711

Section 4. First aid measures

Eye contact:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
Skin contact:	Promptly flush contaminated skin with soap or mild detergent and water. Contact physician if irritation continues.
Inhalation:	Remove the exposed person immediately and provide fresh air. Get medical attention.
Ingestion:	Rinse mouth and throat with water. Get medical attention immediately.

Section 5. Fire fighting measures

Extinguishing media:	Dry sand, Perlite ,Metal fire extinguishers. Do not use water, form or carbon dioxide.
Fire fighting:	Contact with water may liberate toxic and flammable gases. Remove containers to safe place if possible. Self-contained breathing apparatus and full protective clothing should be used, if the material is involved in fire.

Section 6. Accidental release measures

Personal Precautions:	Workers should use protective wears to prevent contact with the spilt adhesive and inhalation of its dusts/ fume.
Environmental hazard precautions:	Shut off leak if without risk. Prevent flow out to river, etc. so as not to badly affect.
Method for containment and cleaning up:	Indoor leakage: Ventilate as much as possible until the cleaning is completed. Outdoor leakage: Work from the windward and evacuate the leeward crowd. Absorb or cover with vermiculite or other suitable absorbent, and dispose of DOT-approved waste containers as much as possible. Carefully collect remnant and move to a safe place.

Section 7. Handling and storage

Precautions to be taken in handling:

Safe handling:	Use protective wears and local ventilation equipment, if inhalation or skin contact is foreseen. Avoid prolonged or repeated exposure. Keep away from heat, sparks and naked flame.
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Precautions to be taken in storage:

General precautions: Store in a cool, dry place away from incompatible materials.
Keep container or bottle tightly closed.

Section 8. Exposure controls / personal protection

Exposure guideline: ACGIH (2013): No data available
OSHA (2006): No data available

Facility measures: Local ventilation of closed work room or total proper ventilation to prevent inhalation.

Protective ware: Wear appropriate NIOSH/MSHA-approved respirator, safety goggles, impervious gloves, protective wear, protective boots.

Section 9. Physical and chemical properties

Color and Form: Solid

Chemical formula: MgS

Formula weight: 56.4

Melting point: >2000 °C decomposes

Density: 2.68 g/cm³

Solubility: Water: hydrolyzed magnesium hydroxide and hydrogen sulfide on contact with water.
Dissoluble: Soluble in acids.

Flammable: No data available.

Oxidation: None

Section 10. Stability and reactivity

Stability: Stable in closed container at room temperature.
Gradually gives off hydrogen sulfide on exposure to air.

Reactivity

Incompatibility: Oxidizing agents, acids.

Condition to avoid: Moisture, heat.

Section 11. Toxicological information

Acute toxicity: GHS : No data available

Skin corrosive / irritation: GHS : Category 2 ; Causes skin irritation

Serious eyes damage / eye irritation: GHS : Category 2 ; Causes serious eye irritation

Respiratory/ skin sensitization: GHS : No data available

Germ cell mutagenicity: GHS : No data available

Carcinogenicity: GHS : No data available

Reproductive toxicity: GHS : No data available

Specific target organ toxicity
—single exposure: GHS :Category 3 ; May cause respiratory irritation

Specific target organ toxicity
—repeated exposure: GHS : No data available

Aspiration hazard: GHS : No data available

Section 12. Ecological information

Ecotoxicity:

Hazards to the aquatic environment

—acute toxicity: GHS ; No data available

—chronic toxicity: GHS ; No data available

Hazrdous to the ozone layer:

GHS ; No data available

No Freon or Halon

Fish toxicity:

No data available

Degradability:

No data available

Bioaccumulative potential:

No data available

Mobility in soil:

No data available

Section 13. Disposal considerations

Disposal method: User of the product should contract with the local government or licensed 'Industrial Waste Haulers' for disposal of waste.

Section 14. Transport information

UN number: 3134

IATA shipping name: Water-reactive solid, toxic, n.o.s.

IATA hazard class: Class 4.3 (substances which, in contact with water, emit flammable gases)

subsidiary risk: Class 6.1 (toxic substances)

IATA packing group: III

HS code: 2830.90

Marine pollution: None

Precautions: Container should be transported in a secure position, in a well-ventilated vehicle.

Section 15. Regulatory information

TSCA inventory : Listed.

Please refer to any other local / national measures that may be relevant.

Section 16. Other information

The information described above is believed to be correct. However, Kojundo Chemical Lab. makes no representation, warranty nor guarantee of any kind with respect to the information on this data sheet or any use of the product based upon this information.