

GHS Safety Data Sheet

SDS No. : MGE01TAEG

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Section 1. Identification of the substance or mixture and of the supplier

Product Information

Product name: Mg Magnesium

Product number:	Purity	Form	Size or Shape
MGE07GB	99.9%(3N)	grains, wire-cut	φ 6×ca.L6 (mm)
MG001	3N	rod & tablet	—
MG002_MGET3003	3N	metal target	φ 101.6×t5 (mm)
MG002_MGET3031	3N	metal target	φ 152.4×t5 (mm)
—	99.99%(4N) others	metal target	Various sizes, Various shape

Company Information:

Manufacturer : Kojundo Chemical Laboratory Co., Ltd.

1-28, 5-chome, Chiyoda, Sakado-shi, Saitama Japan 350-0284

Phone: +81-49-284-1511 Fax: +81-49-284-1351

Emergency Phone : +81-49-284-1511

Recommended uses and restrictions on use: For research purposes

Section 2. Hazards identification

GHS Classification

Health Hazards	Environmental Hazards	Physical Hazards
Skin corrosion/ irritation : Category 2 Serious eye damage/ eye irritation : Category 2 Specific target organ toxicity, single exposure: Category,3	Hazardous to the aquatic environment, chronic toxicity : Category 4	Flammable solids : Not classified Pyrophoric solids : Not classified Self-heating substances and mixtures : Not classified Corrosive to metals : Not classified

GHS Label: W



Pictograms or symbols:

Warning word: **WARNING**

Hazard information	Description of precaution
Causes skin irritation Causes serious eye irritation May cause respiratory irritation May cause long lasting harmful effects to aquatic life	Wear protective gloves/protective clothing/eye protection/respiratory protection/face protection during handling. Avoid breathing dust/mist/gas/fume/vapors/spray. Do not eat, drink or smoke when using this product, and wash hands thoroughly after handling. Take off the contaminated clothing and wash before reuse. Use only outdoors or in well-ventilated area. Avoid release to the environment and collect spillage. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Remove immediately all contaminated clothing and rinse skin with water/shower. Then wash skin with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell. Protect from sunlight. Store in a cool, dry and well-ventilated place. Keep container tightly closed.



High Purity Materials

KOJUNDO CHEMICAL LABORATORY CO.,LTD.

Store locked up.
Dispose of contents/ container in accordance with local/national regulations.

Section 3. Composition / information on ingredients

Chemical or common name:	Magnesium
Chemical formula:	Mg
Single Substance or Compound:	Single substance
Composition:	100%
CAS #:	7439-95-4
RTECS#:	OM2100000
TSCA inventory :	Listed
EINECS:	2311046

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:	Use media appropriate for surrounding fire.
Fire fighting:	The product is not combustible. Contact with water may liberate 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 vapor/dusts.
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:	DO NOT use water with spills. Indoor leakage: Ventilate as much as possible until the cleaning is completed. Outdoor leakage: Work from the windward and evacuate the leeward crowd. Gather up, pack in closed DOT-approved waste container 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:	Keep away from moisture when handling. Keep container tightly closed when not in use. Use protective wears and local ventilation equipment, if inhalation or skin contact is foreseen. Avoid prolonged or repeated exposure.
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Precautions to be taken in storage:

General precautions: Store the material in a sealed container, or in the original container under dry atmosphere.
Store in a cool, dry, well ventilated and dark place away from incompatible materials.

Section 8. Exposure controls / personal protection

Exposure guideline: ACGIH(2019) : 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, protective gloves etc.

Section 9. Physical and chemical properties

Appearance: Metallic silver solid
Chemical formula: Mg
Formula weight: 24.3
Melting point: 648.8 °C
Boiling point: 1090 °C
Density: 1.738 g/cm³
Solubility: Reacts with hot water and forms hydrogen.
Dissoluble ; dilute acid
Flammable: Non-combustible substance
Oxidation: No data available

Section10. Stability and reactivity

Stability: Stable in closed container under dry atmosphere.
Reactivity
Incompatibility: Acids, acid chloride, strong oxidizing agent, chlorinated solvents, halogens
Condition to avoid: Air, moisture

Section11. Toxicological information

Acute toxicity GHS : No data available
Skin corrosive / irritation: GHS : Category 2 ; Causes skin irritation
Serious eye damage / irritation: GHS : Category 2 ; Causes serious eye irritation
Respiratory sensitization: GHS : No data available
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
– repeated exposure: GHS : No data available
Aspiration hazard: GHS : No data available

Section12. Ecological information

Ecotoxicity:
Hazardous to the aquatic environment
– acute toxicity: GHS : No data available



—chronic toxicity:	GHS : Category 4 ; May cause long lasting harmful effects to aquatic life
Hazardous 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

Section13. 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 classification:	Non-hazards
UN number:	None
HS code:	8104.30
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

This SDS is for provision of information, and it does not represent a guarantee the properties or safeties of the product.

The information herein is based on the references we could obtained and the present state of our knowledge, however, this SDS does not always cover all information about the product. Some new information or amendments may be added afterwards.

Prior to use, please investigate the laws and regulations of the organization, area and country where the product is to be used. The information is intended to ordinary usage, in case of special handling, sufficient care should be taken.

