

SAFETY DATA SHEET

Version 6.5
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Product Number Aldrich - 415057

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- a. Product name : Magnesium stearate
- Product Number : 415057
- Brand : Aldrich
- b. Recommended use of the chemical and restrictions on use : **Identified uses**
Laboratory chemicals, For research use only.
- c. Company : 씨그마알드리치코리아(유)
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월요일 - 금요일 (공휴일 제외)

SECTION 2: Hazards identification**a. GHS Classification**

This material is not classified as hazardous under the Article 104 of the Occupational Safety and Health Act (OSHA). It is not regulated for the MSDS creation and labeling by the provision of Article 110 Paragraph 1 of the OSHA.

b. GHS-Labeling

This material is not classified as hazardous under the Article 104 of the Occupational Safety and Health Act (OSHA). It is not regulated for the MSDS creation and labeling by the provision of Article 110 Paragraph 1 of the OSHA.

c. Other hazards which do not result in classification

none

SECTION 3: Composition/information on ingredients

3a Substances

Synonyms : Stearic acid magnesium salt

Formula : $C_{36}H_{70}MgO_4$

Molecular weight : 591.24 g/mol

CAS-No. : 557-04-0

EC-No. : 209-150-3

Component	Classification	Concentration
magnesium distearate		
CAS-No. 557-04-0 EC-No. 209-150-3		>=95 - <= 100 %

SECTION 4: First aid measures

a. In case of eye contact

Flush eyes with water as a precaution.

b. In case of skin contact

Wash off with soap and plenty of water.

c. If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

d. If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

e. Most important acute symptoms/effects

No data available

Most important delayed symptoms/effects

No data available

f. Notes to physician

No data available

SECTION 5: Firefighting measures

a. Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

b. Specific hazards arising from the chemical

No data available

c. Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

a. Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

b. Environmental precautions

No special environmental precautions required.

c. Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

a. Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

b. Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.

c. Storage class

Storage class (TRGS 510): 13: Non Combustible Solids

SECTION 8: Exposure controls/personal protection

a. Control parameters

b. Appropriate engineering controls

No data available

c. Personal protective equipment

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

General industrial hygiene practice.

SECTION 9: Physical and chemical properties

a. Appearance

Form	powder
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Color	white
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b. Odor No data available

c. Odor Threshold No data available

d. pH No data available

e. Melting point 200 °C - lit.

f. Initial boiling point No data available

g. Flash point No data available

h. Evaporation rate No data available

i. Flammability
(solid, gas) No data availablej. Lower explosion
limit No data availableUpper explosion
limit No data available

k. Vapor pressure No data available

l. Water solubility No data available

m. Relative vapor
density No data available

n. Density No data available

o. Partition
coefficient: n-
octanol/water No data availablep. Autoignition
temperature No data availableq. Decomposition
temperature No data available

r. Viscosity, dynamic No data available

Viscosity, kinematic No data available

s. Molecular weight 591.24 g/mol

SECTION 10: Stability and reactivity

a. Chemical stability

Stable under recommended storage conditions.

b. Possibility of hazardous reactions

No data available

c. Conditions to avoid

No data available

d. Incompatible products

Strong oxidizing agents

e. Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Magnesium oxide

Other decomposition products - No data available

Thermal decomposition

No data available

SECTION 11: Toxicological information

a. Information on likely routes of exposure

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

b. Delayed and immediate effects and also chronic effects from short and long term exposure

Acute toxicity

LD50 Oral - Rat - > 2,000 mg/kg

Remarks: (External MSDS)

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Carcinogenicity

No data available

Germ cell mutagenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

c. Numerical measures of toxicity

No data available

Additional Information

RTECS: WI4390000

SECTION 12: Ecological information

a. Ecotoxicity effects

No data available

b. Elimination information (persistence and degradability)

No data available

c. Bioaccumulative potential

No data available

d. Mobility in soil

No data available

e. Other adverse effects

No data available

SECTION 13: Disposal considerations

a. Disposal methods

Offer surplus and non-recyclable solutions to a licensed disposal company.

b. Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

IMDG

Not dangerous goods

IATA

Not dangerous goods

Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

a. Regulation under the Occupational Safety and Health Act

Harmful Substances Required Permission for Manufacture - Not applicable

Harmful Substances Prohibited from Manufacturing - Not applicable

Harmful Agents to be kept below Occupational Exposure Limits - Not applicable

Controlled Substances Subject to Environment Monitoring - Not applicable

Controlled Substances Subject to Health Examination - Not applicable

Hazardous substances requiring management - Not applicable

Special Management Materials - Not applicable

b. Act on the Registration and Evaluation, etc. of Chemical Substances, Chemicals Control Act

Toxic Chemicals - Not applicable

Restricted Chemicals - Not applicable

Prohibited Chemicals - Not applicable

Accident Precaution Chemicals - Not applicable

c. Dangerous Substances Safety Management Act

Not Applicable to Dangerous Materials

d. Waste Control Act

Follow article 13 of the act to dispose the product waste

e. Other regulations

KECI Number

On the inventory, or in compliance with the inventory

SECTION 16: Other information

a. List of references

b. Issuing date: 2019.04.10

c. Version: 6.5 Revision Date 2022.04.25

e. Further information

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