

Safety Data Sheet MAGNESIUM STEARATE

Revision date :
Version : 3.0

Page: 1/7

NUMBER

1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Chemical Name	Magnesium Stearate
CAS NO.	557-04-0

1.2 Relevant identified uses of the substance or mixture and uses advised against

1. Magnesium Stearate is used as a dusting powder, a lubricant in making tablets.
2. Magnesium Stearate is used as flattening agent, a stabilizer for lubricants and plastics.
3. Magnesium Stearate is used as drier in paints and varnishes.

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD (THAILAND) CO., LTD.
106, Chalarempriakiat, Lor 9, Soi 22, Yak
5, Nongbon, Prawet, Bangkok
Bangkok - 10250
Thailand
Telephone : 0804531391
Email - contact@polymeradd.co.th

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Physical and Chemical Hazards	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Human Health	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Environment	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

Not a hazardous substance or mixture according to EU Directives 67/548/EEC or 1999/45/EC

2.2 Labelling according Regulation (EC) No 1272/2008 [CLP]

Label elements	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
Signal word	None
Hazard statement(s)	No data available
Precautionary statement(s)	No data available
According to European Directive 67/548/EEC as amended	Not a hazardous substance or mixture according to EU Directives 67/548/EEC as amended

no data available

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very

Safety Data Sheet
MAGNESIUM STEARATE

Revision date :
Version : 3.0

Page: 2/7

NUMBER

persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name	Magnesium stearate
CAS NO	557-04-0
EC Number	209-150-3
Molecular Formula	C ₃₆ H ₇₀ MgO ₄
Molecular Weight	591,24 g/mol
Concentration	> 99% wt

4 FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact	Wash off with soap and plenty of water.
In case of eye contact	Flush eyes with water as a precaution.
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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5.2 Special hazards arising from the substance or mixture Carbon oxides, Magnesium oxide

5.3 Advice for firefighters Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information No data available

Safety Data Sheet MAGNESIUM STEARATE

Revision date :

Page: 3/7

Version : 3.0

NUMBER

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

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

6.4 Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

No data available

7.2 Information about protection against explosions and fires

Provide appropriate exhaust ventilation at places where dust is formed.

7.3 Conditions for safe storage including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Storage class (TRGS 510): 13: Non Combustible Solids

7.4 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Eye/face protection

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

Skin 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.

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.

Safety Data Sheet MAGNESIUM STEARATE

Revision date :
Version : 3.0

Page: 4/7

NUMBER

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).

Control of environmental exposure

No special environmental precautions required.

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	Form: powder, Colour : white
b) Odour	Slight, fatty
c) Odour Threshold	No data available
d) pH (% solution in water)	No data available
pH	No data available
e) Melting point/freezing point	200 °C - lit.
f) Initial boiling point and boiling range	No data available
g) Flash point	250°C (482°F)
h) Evaporation rate	No data available
i) Flammability (solid or gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Autoignition temperature	690°C (1274°F)
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2 Other safety information

Bulk Density	No data available
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10 STABILITY AND REACTIVITY

Safety Data Sheet MAGNESIUM STEARATE

Revision date :

Page: 5/7

Version : 3.0

NUMBER

10.1	Reactivity	No data available
10.2	Chemical stability	Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions	No data available
10.4	Conditions to avoid	No data available
10.5	Incompatible materials	Strong oxidizing agents
10.6	Hazardous decomposition products	In the event of fire: see section 5

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available
Acute oral toxicity	No data available
Acute Inhalation toxicity	No data available
Acute dermal toxicity	No data available
Acute Irritation / corrosion toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
IARC	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
Signs and symptoms of exposure	No data available
Route of exposure	No data available
Aspiration hazard	No data available
Potential health effects	No data available
Inhalation	No data available
Ingestion	No data available
Skin	No data available

Polymer Add (Thailand) Co; Ltd.

Safety Data Sheet MAGNESIUM STEARATE

Revision date :
Version : 3.0

Page: 6/7

NUMBER

Eyes No data available

RTECS WI4390000

Signs And Symptoms of Exposure

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

12 ECOLOGICAL INFORMATION

12.1 Toxicity No data available

Toxicity to fish No data available

Toxicity to daphnia and other aquatic invertebrates No data available

Toxicity to Algae/Aquatic plants No data available

Toxicity to microorganisms No data available

12.2 Persistence and degradability

Biodegradation

No data available

12.3 Bio accumulative potential No data available

12.4 Mobility in soil No data available

12.5 Results of PBT and vPvB assessment This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects No data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

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

Contaminated packaging

Dispose of as unused product.

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID

IMDG

IATA

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