



Polymer Add (Thailand) Co; Ltd.

Safety Data Sheet MAGNESIUM CARBONATE

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

1.1 Product identifiers

| | |
|---------------|---------------------|
| Chemical Name | Magnesium carbonate |
| CAS NO. | 546-93-0 |

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

1. The primary use of magnesium carbonate is the production of magnesium oxide by calcining.
2. MgCO₃ is also used in flooring, fireproofing, fire extinguishing compositions, cosmetics, dusting powder, and toothpaste.

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD (THAILAND) CO., LTD.
106, Chalaremprakiat, 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 | Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) |
|-------------------------------|--|

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

| | |
|----------------|---------------|
| Label elements | None required |
|----------------|---------------|

2.3 Other hazards

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

| | |
|-------------------|---------------------|
| Chemical Name | Magnesium carbonate |
| CAS NO | 546-93-0 |
| EC Number | 208-915-9 |
| Molecular Formula | MgCO ₃ |
| Molecular Weight | 84.3139 |
| Concentration | >95 |

4 FIRST AID MEASURES

4.1 Description of first aid measures

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| | |
|--------------------------------|---|
| If inhaled | Remove to fresh air. Get medical attention immediately if symptoms occur. If not breathing, give artificial respiration |
| In case of skin contact | Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur. |
| In case of eye contact | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention. |
| If swallowed | Do NOT induce vomiting. Get medical attention |

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media No information available

5.2 Special hazards arising from the substance or mixture Thermal decomposition can lead to release of irritating gases and vapors.

5.3 Advice for firefighters

5.4 Further information As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation

6.2 Environmental precautions

Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

6.4 Reference to other sections

No data available

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

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Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid ingestion and inhalation

7.2 Information about protection against explosions and fires

No data available

7.3 Conditions for safe storage including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Incompatible Materials. Strong oxidizing agents. Acids.

7.4 Specific end use(s)

No data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Appropriate engineering controls

None under normal use conditions.

Eye/face protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166

Skin protection

Wear appropriate protective gloves and clothing to prevent skin exposure

Body Protection

Wear appropriate protective gloves and clothing to prevent skin exposure

Respiratory protection

No protective equipment is needed under normal use conditions.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--------------------------|
| a) Appearance | Solid |
| b) Odour | Odorless |
| c) Odour Threshold | No information available |
| d) pH (% solution in water) | No information available |
| e) Melting point/freezing point | No data available |
| f) Initial boiling point and boiling range | No information available |
| g) Flash point | No information available |
| h) Evaporation rate | Not applicable |

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| | |
|--|--------------------------|
| i)Flammability (solid or gas) | No data available |
| j)Upper/lower flammability or explosive limits | No data available |
| k)Vapour pressure | No information available |
| l)Vapour density | Not applicable |
| m)Relative density | No information available |
| n)Water solubility | No information available |
| o)Partition coefficient: n-octanol/water | No data available |
| p)Autoignition temperature | No information available |
| q)Decomposition temperature | No information available |
| r)Viscosity | No information available |
| s)Explosive properties | No information available |
| t)Oxidizing properties | No information available |

9.2 Other safety information

10 STABILITY AND REACTIVITY

| | |
|---|---|
| 10.1 Reactivity | None known, based on information available |
| 10.2 Chemical stability | Stable under normal conditions. |
| 10.3 Possibility of hazardous reactions | |
| 10.4 Conditions to avoid | Incompatible products. Excess heat. Avoid dust formation. |
| 10.5 Incompatible materials | Strong oxidizing agents, Acids |
| 10.6 Hazardous decomposition products | Magnesium oxides |

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

| | |
|--|---|
| Acute oral toxicity | 8000 mg/kg (Rat) |
| Acute Inhalation toxicity | Not listed |
| Acute dermal toxicity | Not listed |
| Acute Irritation / corrosion toxicity | May cause skin, eye, and respiratory tract irritation |
| Respiratory or skin sensitization | No information available |
| Germ cell mutagenicity | No information available |
| Carcinogenicity | The table below indicates whether each agency has listed any ingredient as a carcinogen |

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| | |
|---|--------------------------|
| Reproductive toxicity | No information available |
| Specific target organ toxicity - single exposure | None known |
| Specific target organ toxicity - repeated exposure | None known |
| Signs and symptoms of exposure | No information available |
| Aspiration hazard | No information available |

12 ECOLOGICAL INFORMATION

| | |
|--|---|
| 12.1 Toxicity | Do not empty into drains |
| 12.2 Persistence and degradability | |
| Biodegradation | |
| May persist based on information available | |
| 12.3 Bio accumulative potential | No information available |
| 12.4 Mobility in soil | Is not likely mobile in the environment due its low water solubility. |
| 12.5 Results of PBT and vPvB assessment | |
| 12.6 Other adverse effects | |

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste.

Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

14 TRANSPORT INFORMATION

14.1 UN number

| ADR/RID | IMDG | IATA |
|---------------|---------------|---------------|
| Not regulated | Not regulated | Not regulated |

14.2 UN proper shipping name

| ADR/RID | IMDG | IATA |
|---------------|---------------|---------------|
| Not regulated | Not regulated | Not regulated |

14.3 Transport hazard class(es)

| ADR/RID | IMDG | IATA |
|---------|------|------|
|---------|------|------|

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Not regulated Not regulated Not regulated

14.4 **Packaging group**

ADR/RID

IMDG

IATA

Not regulated

Not regulated

Not regulated

14.5 **Environmental hazards**

ADR/RID

IMDG Marine pollutant

IATA

Not regulated

Not regulated

Not regulated

14.6 Special precautions for user

15 **REGULATORY INFORMATION**

15.1 **Safety health and environmental regulations/legislation specific for the substance or mixture**

No data available

15.2 **Chemical Safety Assessment**

No data available

16 **OTHER INFORMATION**

Month of Creation

March 2023

Month of Revision

March 2027