

Safety Data Sheet

CALCIUM-MAGNESIUM CARBONATE

Revision date :

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NUMBER

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

1.1 Product identifiers

Chemical Name	Calcium magnesium carbonate
CAS NO.	16389-88-1

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

1. It is a common rock-forming mineral. Dolomite is a double carbonate rock with composition of calcium & magnesium.
2. It is chemically & structurally similar to calcite with half the calcium ions replaced by magnesium.
3. It is White powder in color. It can be used for replacement of calcium carbonate.

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD (THAILAND) CO., LTD.
 106, Chalarempriak, 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	no data available
Human Health	Eye damage/Irritation– Category 2A, Skin corrosion/irritation – Category 2
Environment	no data available

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

Pictogram



Signal word

Danger

2.3 Other hazards

None

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name	Dolomite
CAS NO	16389-88-1

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EC Number	240-440-2
Molecular Formula	CaMg(CO ₃) ₂
Molecular Weight	184.4
Concentration	91-95%

4 FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled	Move victim to fresh air. Seek medical attention if necessary.
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	Clean mouth with water and drink afterwards plenty of water. Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

None

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	Carbon dioxide (CO ₂). Powder. Water spray. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
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5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Avoid generation of dust. Use breathing apparatus. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.4 Further information

No data available

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

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

6.2 Environmental precautions

Should not be released into the environment. See Section 12 for additional Ecological Information.
Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system.

6.3 Methods and materials for containment and cleaning up

Spilled material, where dust is generated, may overexpose cleanup personnel to respirable crystalline silica-containing dust. Do not dry sweep or use compressed air for clean-up. Wetting of spilled material and/or use of respiratory protective equipment may be necessary. Avoid discharge of fine particulate matter into drains or water courses.

6.4 Reference to other sections

None

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

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.

7.4 Specific end use(s)

See section 1.2

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.2 Exposure control

Use exhaust ventilation (dust collector at handling points). Wear suitable protective equipment in the event of dust formation.

Appropriate engineering controls

None under normal use conditions

Technical measures/Precautions

No data available

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.

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Hands protection

Gloves are recommended for prolonged use.

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.

Control of environmental exposure

Do not allow to enter into sewer, water system or soil. See also section 12.

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	White fine micronized powder
b) Odour	Odourless
c) Odour Threshold	No data available
d) pH (% solution in water)	7.7-9.1 (10% solution)
pH	not applicable
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
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	Poorly soluble.
o) Partition coefficient: n-octanol/water	No data available
p) Autoignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available

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s)Explosive properties	No data available
t)Oxidizing properties	no oxidising properties

9.2 Other safety information

Bulk Density	No data available
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10 STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	Incompatible products.
10.5 Incompatible materials	Oxidizing agent
10.6 Hazardous decomposition products	Carbon monoxide (CO), Carbon dioxide (CO ₂), Metal oxides, Calciumoxides

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity	No data available
Acute Inhalation toxicity	Dust in high concentrations may irritate the respiratory system. Symptoms such as cough and sore throat may occur.
Acute dermal toxicity	No data available
Acute Irritation / corrosion toxicity	No data available
Skin corrosion/irritation	Dust may irritate the skin.
Serious eye damage/eye irritation	Dust may irritate the eyes. Symptoms such as watery eyes and burning may occur
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

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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
Eyes	No data available
RTECS	No data available

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	Value: > 100 mg/l, Method of testing: LC50, Duration: 96 hours
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

May persist

12.3 Bio accumulative potential	no data available
12.4 Mobility in soil	no data available
12.5 Results of PBT and vPvB assessment	no data available
12.6 Other adverse effects	no data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Deliver to authorised waste vendor. The waste code (EWC-Code) is intended as a guide. The user must select a code if the use differs from the one ment

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID

IMDG

IATA

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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

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

No

no

no

14.6 Special precautions for user

No data available

15 REGULATORY INFORMATION

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

listed on the USEPA TSCA Inventory List.

15.2 Chemical Safety Assessment

Not applicable

16 OTHER INFORMATION

Not applicable

Not applicable

Month of Creation

March 2023

Month of Revision

March 2027