



Polymer Add (Thailand) Co; Ltd.

Safety Data Sheet

CALCIUM SULFATE

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 SULFATE
CAS NO.	7778-18-9

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

1. The main use of calcium sulfate is to produce plaster of Paris and stucco.
2. Calcium Sulphate is used in tofu as a coagulant.
3. Used as a moisture indicator.

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	This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 191)
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2.2 Labelling according Regulation (EC) No 1272/2008 [CLP]

Label elements	None required
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2.3 Other hazards

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name	Calcium sulfate
CAS NO	7778-18-9
EC Number	231-900-3
Molecular Formula	CaSO ₄
Molecular Weight	145.15
Concentration	>95

4 FIRST AID MEASURES

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4.1 Description of first aid measures

If inhaled

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention

In case of skin contact

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention

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

Substance is nonflammable; use agent most appropriate to extinguish surrounding fire

5.2 Special hazards arising from the substance or mixture

5.3 Advice for firefighters

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

5.4 Further information

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

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

6.2 Environmental precautions

Should not be released into the environment. See Section 12 for additional Ecological Information

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

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7.1 Precautions for safe handling

Wear personal protective equipment/face protection. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid dust formation.

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

7.4 Specific end use(s)

No data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Appropriate engineering controls

Measures Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location

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

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	White powder
b) Odour	Odorless
c) Odour Threshold	No information available
d) pH (% solution in water)	6 - 7.6
e) Melting point/freezing point	1450 °C / 2642 °F
f) Initial boiling point and boiling range	Not applicable

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g)Flash point	Not applicable
h)Evaporation rate	No information available
i)Flammability (solid or gas)	No information available
j)Upper/lower flammability or explosive limits	No data available
k)Vapour pressure	No information available
l)Vapour density	No information available
m)Relative density	No information available
n)Water solubility	Insoluble in water
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	Hygroscopic.
10.3 Possibility of hazardous reactions	
10.4 Conditions to avoid	Incompatible products. Excess heat. Exposure to moisture.
10.5 Incompatible materials	Strong oxidizing agents
10.6 Hazardous decomposition products	Sulfur oxides, Carbon monoxide (CO), Carbon dioxide (CO ₂)

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity	> 3000 mg/kg (Rat)
Acute Inhalation toxicity	LC50 > 3.26 mg/L (Rat) 4 h
Acute dermal toxicity	Not listed
Skin corrosion/irritation	May cause irritation
Respiratory or skin sensitization	No information available

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Germ cell mutagenicity	No information available
IARC	No information available
Specific target organ toxicity - single exposure	No information available
Specific target organ toxicity - repeated exposure	No information available
Signs and symptoms of exposure	No information available
Aspiration hazard	No information available

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish Lepomis macrochirus: LC50: 2.98 mg/L/96H

12.2 Persistence and degradability

Biodegradation

No information available

12.3 Bio accumulative potential

No information available

12.4 Mobility in soil

-0.2

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

Not regulated

IMDG

Not regulated

IATA

Not regulated

14.2 UN proper shipping name

ADR/RID

Not regulated

IMDG

Not regulated

IATA

Not regulated

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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
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**

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