



Polymer Add (Thailand) Co; Ltd.

Safety Data Sheet CALCIUM STEARATE

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

1.1 Product identifiers

Chemical Name	CALCIUM STEARATE
CAS NO.	1592-23-0

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

1. The concrete industry uses calcium stearate for efflorescence control of cementitious products used in the production of concrete masonry units i.e. paver and block, as well as waterproofing.
2. It is a waterproofing agent for fabrics.
3. In plastics, it can act as an acid scavenger or neutralizer at concentrations up to 1000ppm, a lubricant and a release agent. It may be used in plastic colorant concentrates to improve pigment wetting. In rigid PVC, it can accelerate fusion, improve flow, and reduce die swell

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD (THAILAND) CO., LTD.
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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)
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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	May cause skin, eye, and respiratory tract irritation.
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3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name	Calcium stearate
CAS NO	1592-23-0
EC Number	216-472-8
Molecular Formula	C36H70CaO4
Molecular Weight	607.030

Concentration

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4 FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled	Remove to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur
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 Keep product and empty container away from heat and sources of ignition.

5.3 Advice for firefighters

5.4 Further information

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. Avoid contact with skin, eyes or clothing

6.2 Environmental precautions

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

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7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation. Wear personal protective equipment/face protection. Avoid contact with skin, eyes or clothing. Avoid dust formation.
Avoid breathing dust/fume/gas/mist/vapors/spray.

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)

No data available

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Appropriate engineering controls

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 EN 166.

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	Slight
c) Odour Threshold	No information available
d) pH (% solution in water)	No information available
e) Melting point/freezing point	145 - 160 °C

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f)Initial boiling point and boiling range	No information available
g)Flash point	No information available
h)Evaporation rate	No information available
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	No information available
m)Relative density	No information available
n)Water solubility	insoluble
o)Partition coefficient: n-octanol/water	No data available
p)Autoignition temperature	398.9 °C
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.
10.5 Incompatible materials	Strong oxidizing agents
10.6 Hazardous decomposition products	Carbon monoxide (CO), Carbon dioxide (CO ₂)

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity	>10 g/kg (Rat)
Acute Inhalation toxicity	Not listed
Acute dermal toxicity	LD50 > 2000 mg/kg (Rat)
Skin corrosion/irritation	May cause skin, eye, and respiratory tract irritation
Respiratory or skin sensitization	No information available

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Germ cell mutagenicity	No information available
IARC	Not listed
Reproductive toxicity	No information available
Specific target organ toxicity - single exposure	No information available
Specific target organ toxicity - repeated exposure	No information available
Aspiration hazard	No information available

12 **ECOLOGICAL INFORMATION**

12.1 Toxicity

12.2 **Persistence and degradability**

Biodegradation

No information available

12.3 Bio accumulative potential

No information available

12.4 Mobility in soil

No information available

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

14.3 **Transport hazard class(es)**



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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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Month of Revision	March 2027