

Safety Data Sheet

ZINC STEARATE

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

1.1 Product identifiers

Chemical Name ZINC STEARATE
CAS NO. 557-05-1

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

1. Zinc stearate is used in the pharmaceutical industry and the cosmetic products like face powder to improve the smoothness and adhesion.
2. It is used in paint industry as a gloss imparting agent and a grinding agent.
3. It is used as as a metal release agent in rubber, polyurethane and polyester processing systems.

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD (THAILAND) CO., LTD.
106, Chalaremprikiat, 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

Human Health Eye irritation (Category 2), H319
Environment Short-term (acute) aquatic hazard (Category 1), H400
Long-term (chronic) aquatic hazard (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

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

Pictogram



Signal word

Warning

H319 Causes serious eye irritation
H410 Very toxic to aquatic life with long lasting effects
P264 Wash skin thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear eye protection/ face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lense

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P337 + P313	If eye irritation persists: Get medical advice/attention.
P391	Collect spillage.
According to European Directive 67/548/EEC as amended	none
2.3 Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component

Chemical Name	ZINC STEARATE
CAS NO	557-05-1
EC Number	209-151-9
Molecular Formula	C36H70O4Zn
Molecular Weight	631
Concentration	>= 50 - < 70 %

4 FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Show this material safety data sheet to the doctor in attendance

If inhaled	fresh air.
In case of skin contact	Take off immediately all contaminated clothing. Rinse skin with water/ shower
In case of eye contact	rinse out with plenty of water. Call in ophthalmologist. Remove contact lenses.
If swallowed	immediately make victim drink water (two glasses at most). Consult a physician.

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

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5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Water Foam Carbon dioxide (CO2) Dry powder

5.2 Special hazards arising from the substance or mixture

Carbon oxides Zinc/zinc oxides Combustible. Development of hazardous combustion gases or vapours possible in the event of fire

5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus

5.4 Further information

Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

6.4 Reference to other sections

For disposal see section 13

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

For precautions see section 2.2

7.2 Information about protection against explosions and fires

No data available

7.3 Conditions for safe storage including any incompatibilities

Tightly closed. Dry

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

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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). Safety glasses

Skin protection

This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves

Body Protection

protective clothing

Respiratory protection

required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P2 The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Control of environmental exposure

Do not let product enter drains.

9 PHYSICAL AND CHEMICAL PROPERTIES

a) Appearance	White Fine Grind Powder
b) Odour	No data available
c) Odour Threshold	No data available
d) pH (% solution in water)	No data available
pH	No data available
e) Melting point/freezing point	119 -124 Deg C
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

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m)Relative density	No data available
n)Water solubility	No data available
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
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

10.1 Reactivity	The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed
10.2 Chemical stability	The product is chemically stable under standard ambient conditions (room temperature) .
10.3 Possibility of hazardous reactions	Violent reactions possible with: Strong oxidizing agents
10.4 Conditions to avoid	no information available
10.5 Incompatible materials	Strong oxidizing agents, Strong acids
10.6 Hazardous decomposition products	In the event of fire: see section 5

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity	No data available
Acute dermal toxicity	No data available
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	Remarks: Mixture causes serious eye irritation.
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available

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Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available

12 ECOLOGICAL INFORMATION

12.1 Toxicity	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, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (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	
No data available	

14 TRANSPORT INFORMATION

14.1 UN number			
ADR/RID	IMDG	IATA	
3077	3077	3077	
14.2 UN proper shipping name			
ADR/RID	IMDG	IATA	
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc dipalmitate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc dipalmitate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (zinc dipalmitate)	
14.3 Transport hazard class(es)			
ADR/RID	IMDG	IATA	

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14.4 **Packaging group**

ADR/RID	IMDG	IATA
III	III	III

14.5 **Environmental hazards**

ADR/RID	IMDG Marine pollutant	IATA
yes	yes	yes

14.6 Special precautions for user

15 **REGULATORY INFORMATION**

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.2 **Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

16 **OTHER INFORMATION**

H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.

Month of Creation	March 2023
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Month of Revision	March 2027
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