

Polymer Add (Thailand) Co; Ltd.



Safety Data Sheet POTASSIUM STEARATE

Revision date :

Page: 1/7

Version : 3.0

NUMBER

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

1.1 Product identifiers

Chemical Name	Potassium stearate
CAS NO.	593-29-3

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

1. Potassium stearate is use as an acid scavenger in polyolefins.
2. Due to high melting point, potassium stearate is used as a high temperature processing aid in a variety of thermosets, plastics, and other elastomers.
3. Potassium stearate can also be used as a vulcanization promoter in nitrile rubber.

Details of the supplier of the safety data sheet

COMPANY

POLYMER ADD (THAILAND) CO., LTD.
106, Chalarempriakiat, 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	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Human Health	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Environment	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Not a hazardous substance or mixture according to EU Directives 67/548/EEC or 1999/45/EC

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

Label elements	This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]
Signal word	None
Hazard statement(s)	No data available
Precautionary statement(s)	No data available
According to European Directive 67/548/EEC as amended	This mixture is classified as not hazardous according European Directive 67/548/EEC as amended

2.3 Other hazards	This substance/mixture contains no components considered to be either persistent,
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Safety Data Sheet POTASSIUM STEARATE

Revision date :
Version : 3.0

Page: 2/7

NUMBER

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	Potassium Stearate
CAS NO	593-29-3
EC Number	209-786-1
Molecular Formula	CH ₃ (CH ₂) ₁₆ COOK
Molecular Weight	322.57
Concentration	

4 FIRST AID MEASURES

4.1 Description of first aid measures

If inhaled	If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.
In case of skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
In case of eye contact	Do not rub eyes. Rinse with water. Get medical attention if irritation develops or persists.
If swallowed	Rinse mouth. Get medical attention if symptoms occur.

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

Treat symptomatically

5 FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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5.2 Special hazards arising from the substance or mixture

Carbon oxides, Potassium oxides

Safety Data Sheet POTASSIUM STEARATE

Revision date :

Page: 3/7

Version : 3.0

NUMBER

5.3 **Advice for firefighters** Wear self-contained breathing apparatus for firefighting if necessary.

5.4 **Further information** No data available

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7 HANDLING AND STORAGE

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Information about protection against explosions and fires

No data available

7.3 Conditions for safe storage including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store in cool place. Recommended storage temperature 15 - 25 °C. Storage class (TRGS 510): 13: Non Combustible Solids

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

8.1 Control parameters

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas. Eyewash stations.

Technical measures/Precautions

no data available

Personal protective equipment

no data available

Eye/face protection

Safety Data Sheet POTASSIUM STEARATE

Revision date :
Version : 3.0

Page: 4/7

NUMBER

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Hands protection

Wear appropriate chemical resistant gloves.

Skin protection

Wash off immediately with soap and plenty of water. Seek immediate medical attention/advice.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Userespirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

9 PHYSICAL AND CHEMICAL PROPERTIES

a)Appearance	Form:Powder, Colour:White
b)Odour	fatty odor
c)Odour Threshold	no data available
d)pH (% solution in water)	no data available
pH	no data available
e)Melting point/freezing point	419 °F (215 °C)
f)Initial boiling point and boiling range	no data available
g)Flash point	230 °C (C.O.C. method)
h)Evaporation rate	no data available
i)Flammability (solid or gas)	20 g/m3 for particles < 74 microns
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	1.06 g/cm3
n)Water solubility	Soluble

Safety Data Sheet POTASSIUM STEARATE

Revision date :

Page: 5/7

Version : 3.0

NUMBER

o) Partition coefficient: n-octanol/water	no data available
p) Autoignition temperature	> 260 °C
q) Decomposition temperature	approximately 270 °C
r) Viscosity	no data available
s) Explosive properties	no data available

9.2 Other safety information

Bulk Density	250 – 350 g/l
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10 STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	Keep away from heat, sparks and open flame. Contact with incompatible materials. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Minimize dust generation and accumulation.
10.5 Incompatible materials	Strong oxidizing agents
10.6 Hazardous decomposition products	No hazardous decomposition products are known.

11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available
Acute oral toxicity	No data available
Acute Inhalation toxicity	No data available
Acute dermal toxicity	No data available
Acute Irritation / corrosion toxicity	No data available
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Dust in the eyes will cause irritation.
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
IARC	No data available

Polymer Add (Thailand) Co; Ltd.



Safety Data Sheet POTASSIUM STEARATE

Revision date :

Page: 6/7

Version : 3.0

NUMBER

Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	Not classified
Specific target organ toxicity - repeated exposure	Not classified
Signs and symptoms of exposure	No data available
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	No data available
	Toxicity to fish	No data available
	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	
	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	No data available
12.6	Other adverse effects	No data available

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Polymer Add (Thailand) Co; Ltd.



Safety Data Sheet POTASSIUM STEARATE

Revision date :

Page: 7/7

Version : 3.0

NUMBER

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/n

Contaminated packaging

Dispose in accordance with all applicable regulations

14 TRANSPORT INFORMATION

14.1 UN number

ADR/RID

IMDG

IATA

-

-

-

14.2 UN proper shipping name

ADR/RID

IMDG

IATA

Not dangerous goods

Not dangerous goods

Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID

IMDG

IATA

-

-

-

14.4 Packaging group

ADR/RID

IMDG

IATA

-

-

-

14.5 Environmental hazards

ADR/RID

IMDG Marine pollutant

IATA

no

no

no

14.6 Special precautions for user

None

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

see under section 2

no data available

Month of Creation

March 2023

Month of Revision

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