Polymer Add (Thailand) Co.,Ltd.
Office - 106, Chalaremprakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250
Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280
Mobile - Thai : 0804531391, English: 0839415475, **E-mail –** contact@polymeradd.co.th

SAFETY DATA SHEET (SDS)
STEARIC ACID
CAS Number: 57-11-4

1. Identification of the Substance/Mixture and of the Company/Undertaking

Field	Information
Product Name	STEARIC ACID
CAS Number	57-11-4
Relevant Identified Uses	Lubricant, dispersing agent, processing aid, and surface modifier in plastics, rubber, coatings, and industrial applications
Uses Advised Against	Not intended for food or pharmaceutical use unless specifically tested and certified
Supplier	Polymer Add (Thailand) Co., Ltd
Office Address	106, Chalaremprakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250
Factory Address	188/3, Moo 8, Bangpu Mai, Muang Samut Prakan, Samutprakan, Thailand 10280
Mobile (Thai)	0804531391
Mobile (English)	0839415475
Email	contact@polymeradd.co.th

2. Hazards Identification

Field	Description
Classification (CLP)	Not classified as hazardous under Regulation (EC) No. 1272/2008
Classification (67/548/EEC)	Not classified
Label Elements	No pictograms or signal words required
Supplemental	EUH210: Safety data sheet available on request

3. Composition / Information on Ingredients

Substance	CAS No	EC No	Purity
Stearic Acid	57-11-4	200-313-4	≥ 98%

4. First Aid Measures

- **General Advice:** No significant hazards under normal industrial conditions
- **Inhalation:** Move to fresh air. Seek medical attention if symptoms develop
- **Skin Contact:** Wash with soap and water
- **Eye Contact:** Rinse cautiously with water for several minutes. Seek medical attention if irritation persists

- **Ingestion:** Rinse mouth. Seek medical advice if large quantities are ingested

5. Firefighting Measures

- **Extinguishing Media:** Water spray, foam, dry chemical, or CO_2
- **Fire Hazards:** Combustible material. Burning may produce CO and CO_2
- **Protective Equipment:** Firefighters should wear full protective equipment and self-contained breathing apparatus

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust generation. Use PPE (mask, gloves, goggles)
- **Environmental Precautions:** Prevent entry into drains and waterways
- **Clean-Up Methods:** Sweep or vacuum material without generating dust. Dispose according to regulations

7. Handling and Storage

- **Handling:** Avoid dust formation. Handle in well-ventilated areas. Avoid inhalation
- **Storage:** Store in cool, dry, well-ventilated area away from heat sources

8. Exposure Controls / Personal Protection

Field	Information
OEL (TWA)	Not specifically regulated; apply general dust limits
Engineering Controls	Local exhaust ventilation recommended
PPE	Dust mask, safety goggles, gloves
Environmental Controls	Avoid release into environment

9. Physical and Chemical Properties

Property	Value
Appearance	White powder or flakes (micronized)
Odour	Mild fatty odour
pH	Not applicable (insoluble in water)
Melting Point	~69–72 °C
Boiling Point	~360 °C (decomposes)
Flash Point	~196 °C
Flammability	Combustible solid

Vapour Pressure	Negligible
Relative Density	~0.94
Solubility in Water	Insoluble
Auto-Ignition Temperature	~395 °C
Decomposition Temperature	>300 °C
Explosive Properties	Dust explosion possible under extreme conditions
Oxidizing Properties	None

10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Hazardous Reactions:** None expected under normal use
- **Incompatible Materials:** Strong oxidizing agents
- **Decomposition Products:** CO and CO_2

11. Toxicological Information

Test	**Result**
Oral LD_{50} (rat)	>5000 mg/kg
Skin Irritation	Not irritating
Eye Irritation	Mild irritation possible
Sensitization	Not expected
Carcinogenicity	Not classified

12. Ecological Information

Organism	**Test Type**	**Result**
Fish	LC_{50} (96 h)	>100 mg/L
Daphnia	EC_{50} (48 h)	>100 mg/L
Algae	EC_{50} (72 h)	>100 mg/L

Conclusion: Readily biodegradable. Low environmental risk under normal use conditions

13. Disposal Considerations

- Dispose in accordance with local regulations
- Not classified as hazardous waste
- Clean packaging before reuse or disposal
- EU Waste Code: 07 06 99

14. Transport Information

Mode	Classification	Remarks
ADR/RID	Not regulated	Non-dangerous goods
IMDG	Not regulated	Not marine pollutant
ICAO/IATA	Not regulated	Not restricted
DOT	Not regulated	Not hazardous

15. Regulatory Information

- REACH: Registered / compliant
- CLP: Not classified
- Listed in major global inventories (TSCA, DSL, AICS, IECSC, etc.)

16. Other Information – Stearic Acid (CAS 57-11-4)

- SDS Version: 1.0 / 2025
- Date of Preparation: July 2025
- Reason: Alignment with Polymer Add SDS format

Disclaimer:
This SDS is intended for industrial handling, storage, and transportation. It is not a product specification. Polymer Add (Thailand) Co., Ltd disclaims liability for misuse.