

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, 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)

Product Name: POLYETHYLENE WAX

CAS Number: 9002-88-4

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

Field	Information
Product Name	Polyethylene Wax
CAS Number	9002-88-4
Relevant Identified Uses	Lubricant and dispersing aid in plastics, coatings, inks, adhesives, rubber
Uses Advised Against	Not suitable for food, medical, or pharmaceutical use without qualification
Supplier	Polymer Add (Thailand) Co., Ltd
Office Address	106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250
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2. Hazards Identification

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

3. Composition/Information on Ingredients

Substance	CAS No	EC No	Purity
Polyethylene Wax	9002-88-4	— (polymer exempt)	≥ 98%

4. First Aid Measures

- General Advice:** No specific hazards expected. Remove from exposure. Seek medical attention if symptoms persist.
- Inhalation:** Remove to fresh air. If respiratory irritation or symptoms occur, seek medical advice.
- Skin Contact:** Wash with soap and water. If irritation persists, consult a doctor.

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- **Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses if present.
- **Ingestion:** Rinse mouth. Seek medical attention if large quantities are ingested or symptoms occur.

5. Firefighting Measures

- **Extinguishing Media:** Dry chemical, CO₂, foam, or water spray
- **Hazards:** May emit fumes or carbon oxides during combustion
- **Protective Equipment:** Wear self-contained breathing apparatus and protective gear

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Wear appropriate PPE.
- **Environmental Precautions:** Prevent material from entering drains or waterways.
- **Clean-Up Methods:** Collect and place in suitable containers for disposal. Clean spill area with detergent and water.

7. Handling and Storage

- **Handling:** Avoid generating dust. Use with adequate ventilation.
- **Storage:** Store in a cool, dry area. Keep containers tightly closed. Protect from direct sunlight and heat.
- **Explosion/Fire Risk:** Dust may form combustible mixture with air in certain conditions

8. Exposure Controls / Personal Protection

Field	Information
OEL	No specific limit established
Engineering Controls	Ensure adequate ventilation or use local exhaust
PPE	Safety goggles, gloves, dust mask (P2 or equivalent)
Environmental Controls	Avoid uncontrolled release into the environment

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9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white waxy powder or flakes
Odour	Odourless or slight hydrocarbon odour
pH (in suspension)	Not applicable
Melting Point	100–140 °C (depending on grade)
Boiling Point	Not applicable (polymer)
Flash Point	>230 °C
Flammability	Combustible at high temperature
Vapour Pressure	Negligible
Relative Density	~0.93–0.97 (water = 1)
Solubility in Water	Insoluble
Partition Coefficient (log Kow)	>6 (estimated)
Auto-Ignition Temperature	~350 °C
Decomposition Temperature	>300 °C
Explosive Properties	Dust explosion possible in air
Oxidizing Properties	None

10. Stability and Reactivity

- **Stability:** Stable under recommended storage and handling conditions
- **Hazardous Reactions:** None under normal use
- **Incompatible Materials:** Strong oxidizing agents
- **Decomposition Products:** Carbon monoxide, carbon dioxide, hydrocarbons

11. Toxicological Information

Test	Result
Oral LD ₅₀ (rat)	>5000 mg/kg
Skin Irritation	Not irritating in standard tests
Eye Irritation	May cause mechanical irritation
Sensitization	Not expected to be sensitizing
Carcinogenicity / Mutagenicity	No data indicating carcinogenicity or mutagenicity

12. Ecological Information

Organism	Test	Result
Fish	LC ₅₀ (96 h)	>100 mg/L (expected)
Daphnia	EC ₅₀ (48 h)	>100 mg/L (expected)
Algae	EC ₅₀ (72 h)	>100 mg/L (expected)

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Conclusion: Not classified as hazardous to the aquatic environment. Poorly water soluble. Not readily biodegradable.

13. Disposal Considerations

- **Product Waste:** Dispose of in accordance with local, regional, and national regulations. Prefer incineration with energy recovery.
- **Contaminated Packaging:** Empty packaging should be reused, recycled, or landfilled in accordance with local regulations
- **Waste Code (EU):** 07 02 13 – Wastes from manufacture of plastics: waste plastic

14. Transport Information

Mode	Classification	Remarks
ADR/RID (Road/Rail)	Not regulated	Not classified as dangerous
IMDG (Sea)	Not regulated	Not a marine pollutant
ICAO/IATA (Air)	Not regulated	Not restricted for air transport
DOT (USA)	Not regulated	Safe for domestic transport

15. Regulatory Information

- **REACH:** Exempt (polymer)
- **CLP (EC No. 1272/2008):** Not classified
- **US TSCA:** Listed
- **Canada DSL:** Listed
- **EINECS/ELINCS:** Exempt (polymer)
- **AICS, ENCS, IECSC, KECI, PICCS, NZIoC:** Listed

16. Other Information – Polyethylene Wax (CAS 9002-88-4)

- **SDS Version:** 1.0 / 2025
- **Date of Preparation:** June 2025
- **Reason for Issue:** First issue using 16-point GHS format

Abbreviations:

CAS – Chemical Abstracts Service

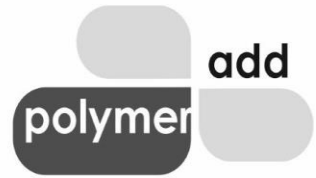
CLP – Classification, Labelling and Packaging

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REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals

LD₅₀ – Median Lethal Dose

EC₅₀ – Half Maximal Effective Concentration

Disclaimer:

This SDS is intended as guidance for safe handling and does not constitute a product specification.

Polymer Add (Thailand) Co., Ltd assumes no liability for improper use. Final responsibility lies with the end user.

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