

# 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:** POLYPROPYLENE WAX (MICRONIZED / GRANULAR)

**CAS Number:** 9003-07-0

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

Field	Information
Product Name	POLYPROPYLENE WAX (MICRONIZED)
CAS Number	9003-07-0
Relevant Identified Uses	Lubricant, dispersing aid, flow modifier, slip agent in plastics, coatings, adhesives, inks, masterbatches, and powder coatings
Uses Advised Against	Not recommended for pharmaceutical or food use
Supplier	Polymer Add (Thailand) Co., Ltd
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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	No pictograms, signal words, or hazard statements required
Supplemental	EUH210: Safety Data Sheet available on request

### 3. Composition/Information on Ingredients

Substance	CAS No	EC No	Purity
Polypropylene Wax	9003-07-0	-	≥ 98% (micronized or granulated form)

### 4. First Aid Measures

- **General Advice:** No specific hazards under normal use. Treat symptomatically.
- **Inhalation:** If dust is inhaled, remove to fresh air. Seek medical attention if respiratory symptoms persist.
- **Skin Contact:** Wash with soap and water. No significant irritation expected.

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- **Eye Contact:** Rinse cautiously with clean water. Remove contact lenses. Seek medical attention if irritation occurs.
- **Ingestion:** Rinse mouth. Ingestion is unlikely to cause harmful effects in small amounts.

## 5. Firefighting Measures

- **Extinguishing Media:** Dry chemical, CO<sub>2</sub>, foam, or water fog.
- **Fire Hazards:** Combustible material. Decomposes at high temperature producing carbon oxides and hydrocarbons.
- **Protective Equipment:** Wear self-contained breathing apparatus and full protective gear in case of fire.

## 6. Accidental Release Measures

- **Personal Precautions:** Avoid generation of dust. Wear suitable PPE if airborne dust is present.
- **Environmental Precautions:** Prevent entry into drains or waterways.
- **Clean-Up Methods:** Sweep or vacuum without generating dust. Collect in suitable containers for reuse or disposal.

## 7. Handling and Storage

- **Handling:** Avoid breathing dust. Use local exhaust or dust control measures. Avoid sources of ignition.
- **Storage:** Store in cool, dry, well-ventilated area in sealed containers away from direct sunlight or heat.
- **Explosion Risk:** Finely divided dust may form explosive mixtures with air in extreme cases.

## 8. Exposure Controls / Personal Protection

Field	Information
OEL (TWA)	Not established specifically for polypropylene wax; observe general dust limits: 10 mg/m <sup>3</sup> (inhalable), 5 mg/m <sup>3</sup> (respirable – ACGIH)
Engineering Controls	Use dust extraction and local ventilation where needed
PPE	Dust mask (P2 or equivalent), goggles, gloves
Environmental Controls	Prevent dust from entering drains or atmosphere

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## 9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white fine powder or granules
Odour	Odourless or mild waxy odour
pH	Not applicable
Melting Point	140 – 165 °C (depending on grade)
Boiling Point	Not applicable
Flash Point	>250 °C (COC)
Flammability	Combustible
Vapour Pressure	Negligible at room temperature
Relative Density	~0.90 – 0.94 (at 25 °C)
Solubility in Water	Insoluble
Auto-Ignition Temperature	>350 °C
Decomposition Temperature	>300 °C
Explosive Properties	Dust explosion possible in high concentrations
Oxidizing Properties	None

## 10. Stability and Reactivity

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

## 11. Toxicological Information

Test	Result
Oral LD <sub>50</sub> (rat)	>5000 mg/kg (expected)
Skin Irritation	Not irritating
Eye Irritation	Dust may cause mechanical irritation
Sensitization	Not expected
Carcinogenicity	Not classified as carcinogenic by IARC, NTP, or OSHA

## 12. Ecological Information

Organism	Test	Result
Fish	LC <sub>50</sub> (96 h)	>1000 mg/L (expected)
Daphnia	EC <sub>50</sub> (48 h)	>1000 mg/L
Algae	EC <sub>50</sub> (72 h)	>1000 mg/L

**Conclusion:** Polypropylene wax is inert and considered non-toxic to aquatic organisms. Not bioaccumulative.

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## 13. Disposal Considerations

- **Product Waste:** Dispose of in accordance with local and national regulations. Not hazardous waste under normal conditions.
- **Contaminated Packaging:** Clean and recycle or dispose of as per local guidelines.
- **Waste Code (EU):** 07 02 13 – Wastes from polymer processing

## 14. Transport Information

Mode	Classification	Remarks
ADR/RID (Road/Rail)	Not regulated	Non-hazardous
IMDG (Sea)	Not regulated	Not a marine pollutant
ICAO/IATA (Air)	Not regulated	Not restricted
DOT (USA)	Not regulated	Not hazardous

## 15. Regulatory Information

- **REACH:** Polymer exempt under REACH (not chemically modified)
- **CLP (EC No. 1272/2008):** Not classified
- **Global Inventories:** Listed or exempt (TSCA, DSL, AICS, IECSC, ENCS, KECI, PICCS, NZIoC)

## 16. Other Information – Polypropylene Wax (CAS 9003-07-0)

- **SDS Version:** 1.0 / 2025
- **Date of Preparation:** July 2025
- **Reason for Issue:** First SDS in harmonized format for wax grade

### Abbreviations:

CAS – Chemical Abstracts Service

CLP – Classification, Labelling and Packaging

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals

LD<sub>50</sub> – Median Lethal Dose

EC<sub>50</sub> – Half Maximal Effective Concentration

### Disclaimer:

This SDS is provided for informational purposes to support safe handling and regulatory compliance. Polymer Add (Thailand) Co., Ltd accepts no liability for improper use or misapplication. End user assumes final responsibility.