

# 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](mailto:contact@polymeradd.co.th)



## SAFETY DATA SHEET (SDS)

**Product Name: OXIDIZED POLYETHYLENE WAX**

**CAS Number: 68441-17-8**

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

Field	Information
Product Name	Oxidized Polyethylene Wax
CAS Number	68441-17-8
Relevant Identified Uses	Dispersing aid, lubricant, emulsifier, modifier in plastics, coatings, inks
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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Email	<a href="mailto:contact@polymeradd.co.th">contact@polymeradd.co.th</a>

### 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
Oxidized Polyethylene Wax	68441-17-8	Polymer exempt	≥ 98%

### 4. First Aid Measures

- General Advice:** Remove from exposure. Seek medical attention if symptoms persist.
- Inhalation:** Move to fresh air. If symptoms occur, get medical help.

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- **Skin Contact:** Wash with soap and water. Seek attention if irritation persists.
- **Eye Contact:** Rinse cautiously with water. Remove contact lenses if present.
- **Ingestion:** Rinse mouth. Seek medical attention if discomfort develops.

## 5. Firefighting Measures

- **Extinguishing Media:** Dry chemical, CO<sub>2</sub>, foam, or water spray
- **Hazards:** May emit carbon oxides or fumes when burned
- **Protective Equipment:** Self-contained breathing apparatus, full protective gear

## 6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Wear appropriate PPE.
- **Environmental Precautions:** Prevent entry into drains or waterways.
- **Clean-Up Methods:** Sweep or vacuum without raising dust. Dispose in suitable container.

## 7. Handling and Storage

Handling	Storage
Avoid generating dust. Use local exhaust if needed.	Store in cool, dry, well-ventilated area. Keep sealed and protected from sunlight.
Explosion/Fire Risk	Fine dust may form combustible mixture in air.

## 8. Exposure Controls / Personal Protection

Field	Information
OEL	Not established
Engineering Controls	Local exhaust or ventilation
PPE	Dust mask (P2), gloves, goggles
Environmental Controls	Avoid release into the environment

## 9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white powder or flakes
Odour	Mild wax-like or hydrocarbon odor
pH (in dispersion)	Not applicable
Melting Point	100–115 °C (depending on grade)

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Flash Point	>230 °C
Flammability	Combustible in powder form
Vapour Pressure	Negligible
Relative Density	0.95–1.00 (water = 1)
Solubility in Water	Insoluble
Partition Coefficient	>6 (estimated)
Auto-Ignition Temp.	~350 °C
Decomposition Temp.	>300 °C
Explosive Properties	Dust may be explosive in certain conditions
Oxidizing Properties	Not oxidizing

## 10. Stability and Reactivity

- **Stability:** Stable under normal storage and use conditions
- **Hazardous Reactions:** None known
- **Incompatible Materials:** Strong oxidizing agents
- **Decomposition Products:** CO, CO<sub>2</sub>, hydrocarbons

## 11. Toxicological Information

Test	Result
Oral LD <sub>50</sub> (rat)	>5000 mg/kg
Skin Irritation	Non-irritating in standard tests
Eye Irritation	May cause mechanical irritation
Sensitization	Not expected
Carcinogenicity/Mutagenicity	Not classifiable

## 12. Ecological Information

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

- **Conclusion:** Poorly soluble, not readily biodegradable. Not expected to bioaccumulate.

## 13. Disposal Considerations

- **Product Waste:** Dispose in accordance with local/regional regulations. Prefer incineration with energy recovery.

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- **Packaging Waste:** Recycle or landfill according to official procedures.
- **Waste Code (EU):** 07 02 13 – Wastes from plastic processing

## 14. Transport Information

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

## 15. Regulatory Information

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

## 16. Other Information – Oxidized Polyethylene Wax (CAS 68441-17-8)

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

### 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 intended to guide safe handling and does not constitute a product specification. Polymer Add (Thailand) Co., Ltd accepts no liability for improper use. The end user assumes full responsibility for safe use and regulatory compliance.