

# 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

### MICRONISED LDPE RESIN (MFI 1.8–2.2)

#### SECTION 1: Identification of the substance and of the company

**Product name:**

Micronised LDPE Resin (MFI 1.8–2.2)

**Chemical name:**

Low Density Polyethylene

**Synonyms:**

LDPE powder, Micronised polyethylene, Ethylene homopolymer (micronised)

**CAS No.:**

9002-88-4

**Recommended use:**

Industrial use only. Micronised polymer additive for plastics processing, masterbatch, compounding, coatings, and technical applications.

**Restrictions on use:**

Not intended for direct consumer use. Not for medical, pharmaceutical, or food-contact applications unless separately certified.

**Company identification:**

Polymer Add Thailand Co., Ltd.  
Thailand

**Role of company:**

Micronisation and size-reduction of polymer resins. Polymer Add Thailand does **not** manufacture base LDPE resin.

#### SECTION 2: Hazards identification

**GHS classification:**

Not classified as hazardous

**Label elements:**

Not required

**Other hazards:**

- Dust may cause mechanical irritation
- Slipping hazard if spilled
- Molten polymer may cause thermal burns

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## SECTION 3: Composition / information on ingredients

### Substance:

Low Density Polyethylene

Component	CAS No.	Concentration
LDPE	9002-88-4	≥ 99%

No hazardous ingredients present according to GHS criteria

## SECTION 4: First-aid measures

### Inhalation:

Remove to fresh air. Seek medical attention if symptoms persist.

### Skin contact:

Wash with soap and water. For molten material, cool rapidly and seek medical attention.

### Eye contact:

Rinse cautiously with water. Remove contact lenses if present.

### Ingestion:

Rinse mouth. Do not induce vomiting. Seek medical advice if discomfort occurs.

### Most important symptoms:

No known significant effects.

## SECTION 5: Fire-fighting measures

### Suitable extinguishing media:

Water spray, foam, dry chemical, CO<sub>2</sub>

### Specific hazards:

Combustion may produce carbon monoxide, carbon dioxide, smoke.

### Protective equipment:

Self-contained breathing apparatus recommended for firefighters.

## SECTION 6: Accidental release measures

### Personal precautions:

Avoid dust formation. Prevent slipping hazard.

### Cleanup methods:

Sweep or vacuum using dust-controlled equipment. Collect in suitable containers.

### Environmental precautions:

Prevent entry into drains or waterways.

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## SECTION 7: Handling and storage

### Handling:

Avoid excessive dust generation. Use adequate ventilation.

### Storage:

Store in a cool, dry place away from heat sources.

### Incompatible materials:

Strong oxidizing agents

## SECTION 8: Exposure controls / personal protection

### Exposure limits:

No occupational exposure limits established for LDPE

### Personal protective equipment:

- Eye protection: Safety glasses
- Skin protection: Protective clothing
- Respiratory protection: Not normally required under adequate ventilation
- Hygiene: Standard industrial practice

## SECTION 9: Physical and chemical properties

Property	Value
Appearance	White/off-white powder
Odour	Odourless
Melting point	104 – 115 °C
Boiling point	~290 °C
Flash point	~360 °C
Density	0.915 – 0.935 g/cm <sup>3</sup>
Water solubility	Negligible
Auto-ignition temperature	~360 °C
Decomposition temperature	~300 °C

## SECTION 10: Stability and reactivity

### Reactivity:

Non-reactive under normal conditions

### Chemical stability:

Stable

### Hazardous reactions:

None known

### Hazardous decomposition products:

Carbon monoxide, carbon dioxide, smoke

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## SECTION 11: Toxicological information

### Acute toxicity:

No data indicating toxicity

### Skin / eye irritation:

Not expected

### Sensitisation:

Not expected

### Carcinogenicity / mutagenicity:

Not classified

## SECTION 12: Ecological information

### Ecotoxicity:

No data available

### Biodegradability:

Not readily biodegradable

### Bioaccumulation:

No data available

### Environmental impact:

Physically persistent polymer

## SECTION 13: Disposal considerations

Dispose of in accordance with local regulations. Recycling is preferred where possible.

## SECTION 14: Transport information

### UN number:

Not regulated

### Transport classification:

Not dangerous goods (ADR / IMDG / IATA)

## SECTION 15: Regulatory information

- TSCA: Listed
- REACH: Polymer – exempt from registration
- DSL, AICS, ENCS, IECSC, KECI: Listed or compliant

## SECTION 16: Other information

### Revision date:

Prepared for Polymer Add Thailand – 2025

### Disclaimer:

This Safety Data Sheet is prepared based on information from the original LDPE resin manufacturer and

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