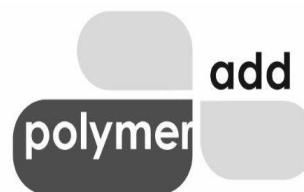


# Polymer Add (Thailand) Co.,Ltd.

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) Zinc Phenylphosphonate (Micronized) CAS Number: 34335-10-9

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

Field	Information
Product Name	Zinc Phenylphosphonate (Micronized)
Relevant Uses	Nucleating agent for PLA & PHAs, polymer additive
Uses Advised Against	Not for pharmaceutical or medical implant use
Supplier	Polymer Add (Thailand) Co., Ltd
Office Address	106 Chalarempriakiat Lor 9, Soi 22 Yak 5, Nongbon, Prawet, Bangkok 10250
Factory Address	188/3 Moo 8, Bangpu Mai, Muang Samut Prakan 10280
Mobile (Thai)	0804531391
Mobile (English)	0839415475
Email	contact@polymeradd.co.th

### 2. Hazards Identification

Field	Description
Classification (CLP)	Not classified under Regulation (EC) No. 1272/2008
Classification (67/548/EEC)	Not classified
Label Elements	No hazard pictograms or signal words required
Supplemental	EUH210 – Safety Data Sheet available on request

### 3. Composition / Information on Ingredients

Substance	CAS No	EC No	Purity
Zinc Phenylphosphonate	34335-10-9	251-975-3	≥ 98%

### 4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if irritation persists.
- **Skin Contact:** Wash with soap and water.
- **Eye Contact:** Rinse thoroughly with clean water for several minutes.
- **Ingestion:** Rinse mouth; seek medical advice if discomfort occurs.
- **General Advice:** No specific hazards expected under normal industrial use.

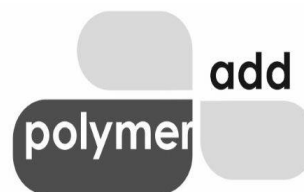
### 5. Firefighting Measures

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- **Extinguishing Media:** CO<sub>2</sub>, foam, dry chemical, water spray
- **Hazards:** Decomposition may release zinc oxide fumes, phenyl vapors, CO, CO<sub>2</sub>
- **Protective Equipment:** Self-contained breathing apparatus; protective clothing

## 6. Accidental Release Measures

- Avoid dust formation.
- Sweep or vacuum without generating dust clouds.
- Prevent entry into drains.
- Dispose according to local regulations.

## 7. Handling & Storage

- Handle in a well-ventilated area.
- Avoid dust inhalation and eye contact.
- Store in cool, dry conditions; keep container tightly closed.
- Keep away from strong oxidizing agents.

## 8. Exposure Controls / Personal Protection

Field	Information
OEL (TWA)	No specific limit; use general dust limits (10 mg/m <sup>3</sup> inhalable, 5 mg/m <sup>3</sup> respirable)
Engineering Controls	Local exhaust ventilation
PPE	P2 dust mask, gloves, goggles
Environmental Controls	Avoid release to drains

## 9. Physical & Chemical Properties

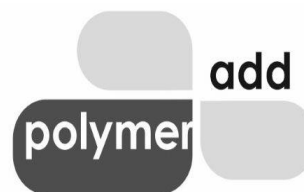
Property	Value
Appearance	White micronized powder
Odour	Odourless
pH (1% suspension)	6.5–7.2
Melting Range	~400°C
Boiling Point	Not applicable
Flash Point	Not applicable
Flammability	Fine powder may be combustible
Relative Density	~1.6–1.7

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Solubility (Water)	Insoluble
Decomposition Temperature	> 400°C
Explosive Properties	Dust explosion risk possible
Oxidizing Properties	None

## 10. Stability & Reactivity

- **Stable** under normal conditions
- Avoid contact with strong acids/oxidizers
- Decomposition releases: CO, CO<sub>2</sub>, phenyl vapors, zinc oxide

## 11. Toxicological Information

Test	Result
Oral LD <sub>50</sub> (rat)	> 2000 mg/kg
Skin Irritation	Not irritating
Eye Irritation	May cause mild mechanical irritation
Sensitization	Not expected

## 12. Ecological Information

- Poorly soluble in water
- Not expected to bioaccumulate
- Low aquatic toxicity (expected >100 mg/L)
- Avoid release into environment

## 13. Disposal Considerations

- Dispose according to local regulations
- Do not discharge into drains
- Packaging should be cleaned or disposed as solid waste

## 14. Transport Information

Mode	Classification
ADR/RID	Not regulated
IMDG	Not regulated
ICAO/IATA	Not regulated
DOT (USA)	Not regulated

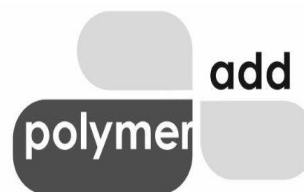
Not a dangerous good.

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## 15. Regulatory Information

- **REACH:** Pre-registered / exempt
- **CLP:** Not classified
- **Inventories:** Listed in TSCA, DSL, AICS, IECSC, ENCS, KECI, PICCS, NZIoC

## 16. Other Information

- SDS Version: 1.0 / 2025
- Date of Preparation: February 2025
- Reason for Issue: First SDS for micronized Zinc Phenylphosphonate
- **Disclaimer:** Industrial use only; not for medical applications.