

# 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:** MICA (MICRONIZED)

**CAS Number:** 12001-26-2

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

Field	Information
Product Name	Mica (Micronized)
CAS Number	12001-26-2
Relevant Identified Uses	Functional filler and extender in plastics, coatings, adhesives, rubber, and paints
Uses Advised Against	Not suitable for cosmetic, pharmaceutical, or personal care applications 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
Mica (muscovite type)	12001-26-2	601-648-2	≥ 95% (micronized)

### 4. First Aid Measures

- **General Advice:** No acute hazards expected. Remove from exposure and seek medical attention if symptoms occur.
- **Inhalation:** Move to fresh air. Seek medical advice if coughing or breathing difficulty occurs.
- **Skin Contact:** Wash with soap and water. Seek medical advice if irritation persists.

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- **Eye Contact:** Rinse thoroughly with clean water for several minutes. Remove contact lenses if present.
- **Ingestion:** Rinse mouth. No known acute hazard. Seek medical advice if symptoms appear.

## 5. Firefighting Measures

- **Extinguishing Media:** Use any suitable for surrounding materials. Mica is non-combustible.
- **Hazards:** Inert mineral. No known fire hazard.
- **Protective Equipment:** Standard protective gear for surrounding fire conditions.

## 6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Use dust mask and goggles if necessary.
- **Environmental Precautions:** Prevent uncontrolled release into water systems.
- **Clean-Up Methods:** Sweep or vacuum up spilled material. Avoid creating airborne dust. Dispose in accordance with local regulations.

## 7. Handling and Storage

- **Handling:** Avoid breathing dust. Use with proper ventilation or dust extraction.
- **Storage:** Keep in sealed containers in a dry, well-ventilated area.
- **Explosion/Fire Risk:** In finely divided form, dust may present explosion risk in extreme conditions.

## 8. Exposure Controls / Personal Protection

Field	Information
OEL (TWA)	3 mg/m <sup>3</sup> (respirable fraction – ACGIH)
Engineering Controls	Use local exhaust ventilation
PPE	Safety glasses, gloves, P2 dust mask for airborne dust
Environmental Controls	Prevent material from entering drains or watercourses

## 9. Physical and Chemical Properties

Property	Value
Appearance	Fine white to off-white powder
Odour	Odourless
pH (in slurry)	7.0 – 8.5

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Melting Point	>1200 °C
Boiling Point	Not applicable
Flash Point	Not applicable
Flammability	Non-flammable
Vapour Pressure	Not applicable
Relative Density	~2.6 – 2.9
Solubility in Water	Insoluble
Auto-Ignition Temperature	Not applicable
Decomposition Temperature	Not determined
Explosive Properties	Dust explosion risk in highly concentrated airborne form
Oxidizing Properties	None

## 10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Hazardous Reactions:** None known
- **Incompatible Materials:** Strong acids (e.g. hydrofluoric acid)
- **Decomposition Products:** None under normal use

## 11. Toxicological Information

Test	Result
Oral LD <sub>50</sub> (rat)	>5000 mg/kg (expected)
Skin Irritation	Not irritating
Eye Irritation	May cause mechanical irritation
Sensitization	Not expected
Carcinogenicity	Not listed as carcinogenic by IARC (asbestos-free grade)

## 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:** Inert, naturally occurring mineral. Not hazardous to aquatic life. Not bioaccumulative.

## 13. Disposal Considerations

- **Product Waste:** Dispose of in accordance with local, regional, and national regulations. Not classified as hazardous waste.

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- **Contaminated Packaging:** Clean thoroughly before reuse or dispose of as per applicable regulations.
- **Waste Code (EU):** 01 04 13 – Wastes from processing of non-metals

## 14. Transport Information

Mode	Classification	Remarks
ADR/RID (Road/Rail)	Not regulated	Non-dangerous goods
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:** Exempt (naturally occurring mineral, not chemically modified)
- **CLP (EC No. 1272/2008):** Not classified
- **US TSCA / Canada DSL / AICS / IECSC / ENCS / KECI / PICCS / NZIoC:** Listed or exempt

## 16. Other Information – Mica (CAS 12001-26-2)

- **SDS Version:** 1.0 / 2025
- **Date of Preparation:** July 2025
- **Reason for Issue:** First issue using harmonized 16-section 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 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.