

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: PIPEGUARD MICROBLEND P65

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

| Field | Information |
|--------------------------|--|
| Product Name | PIPEGUARD MICROBLEND P65 |
| Relevant Identified Uses | For epoxy, epoxy-polyester, and FBE powder coatings applied on pipes, couplings, and fittings. |
| Restrictions on Use | Not intended for direct food contact, cosmetics, or medical use. |
| 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 | contact@polymeradd.co.th |

2. Hazards Identification

| Field | Description |
|--------------------------|---|
| Classification | Not classified as hazardous. |
| Hazards | <ul style="list-style-type: none">Dust may cause mechanical irritation to eyes, skin, and respiratory tract.Combustible dust hazard if dispersed in air. |
| Signal Word | None |
| Precautionary Statements | <ul style="list-style-type: none">Avoid breathing dust.Use with local exhaust ventilation.Wear protective gloves, goggles, and dust mask. |

3. Composition/Information on Ingredients

| Component | Function | % w/w | CAS No. |
|--|-------------------------------|-------|------------------------|
| Micronized PE Wax | Slip agent, anti-blocking | 40% | 9002-88-4 |
| Synthetic Amide Wax | Scratch resistance | 15% | 68953-58-2 |
| Calcium Stearate (micronized) | Flow aid, leveling | 10% | 1592-23-0 |
| Antioxidant 1010 | Thermal stabilizer | 3% | 6683-19-8 |
| Fumed Silica (R972) | Anti-caking, flow aid | 2% | 112945-52-5 |
| Acrylic Processing Aid | Film uniformity, gloss | 10% | 9011-87-4 |
| Polyether-Modified Silicone | Slip, friction reduction | 10% | 27306-78-1 |
| Moisture Buffer (CaCO ₃ /SiO ₂) | Anti-agglomeration (optional) | 10% | 471-34-1 / 112926-00-8 |

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4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical advice if irritation persists.
- **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
- **Eye Contact:** Rinse cautiously with clean water for several minutes. Seek medical attention if irritation continues.
- **Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical help if large amounts are ingested.

5. Firefighting Measures

- **Extinguishing Media:** Foam, dry chemical, CO₂, water spray.
- **Special Hazards:** Dust clouds may be explosive; combustion releases CO, CO₂, organic vapors, and metal oxides.
- **Protective Equipment:** Firefighters should wear SCBA and protective clothing.

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation.
- **Environmental Precautions:** Sweep or vacuum (HEPA filter preferred). Do not flush into drains.
- **Clean-Up Methods:** Wear protective gloves, mask, and goggles. Collect material in labeled containers for recovery or disposal.

7. Handling and Storage

- **Handling:** Provide local exhaust ventilation. Ground handling equipment to prevent static discharge.
- **Storage:** Store in cool, dry conditions away from direct sunlight and moisture.
- **Packaging:** 20 kg kraft paper bag with PE liner or HDPE drum.
- **Shelf Life:** 12 months if sealed and stored properly.

8. Exposure Controls / Personal Protection

| Field | Information |
|------------------------------|--|
| Occupational Exposure Limits | Not established; handle as nuisance dust (10 mg/m ³ total). |
| Engineering Controls | Local exhaust ventilation. |
| PPE | <ul style="list-style-type: none">• Respiratory: Dust mask (P2 or N95).• Eyes: Safety goggles.• Hands: Protective gloves.• Skin: Protective clothing. |

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9. Physical and Chemical Properties

| Property | Value |
|-----------------------|--|
| Appearance | White to off-white free-flowing powder |
| Odour | Neutral/faint waxy |
| Moisture Content | <0.5% |
| Particle Size(D50) | 6 – 9 µm |
| Particle Size(D100) | < 20 µm |
| Bulk Density | 0.30 – 0.42 g/cm ³ |
| Melting Point (blend) | 100 – 130 °C |
| Water Solubility | Insoluble in water |
| Flash Point: | > 250 °C (estimated, organic blend) |

10. Stability and Reactivity

- **Stability:** Stable under recommended storage.
- **Conditions to Avoid:** High heat, ignition sources, moisture.
- **Incompatible Materials:** Strong oxidizing agents.
- **Decomposition Products:** CO, CO₂, hydrocarbons, metal oxides

11. Toxicological Information

| Test | Result |
|----------------------|--|
| Acute Toxicity | Not expected to be acutely toxic. |
| Skin/ Eye Irritation | May cause mechanical irritation. |
| Inhalation | Dust may cause coughing or throat irritation. |
| Carcinogenic | No component classified as carcinogenic (IARC, NTP, OSHA). |
| Chronic Effects | Prolonged dust exposure may cause respiratory irritation. |

12. Ecological Information

- **Aquatic Toxicity:** Not expected to be harmful; insoluble in water.
- **Persistence/Degradability:** Slowly biodegradable.
- **Bioaccumulation:** Low potential.
- **Mobility:** Insoluble; will settle in sediment.

13. Disposal Considerations

- **Product Waste:** Dispose of in accordance with local, regional, and national regulations.
- **Waste Disposal:** Avoid uncontrolled release to the environment.
- **Packaging:** • Suitable for landfill or incineration at approved facilities.

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14. Transport Information

| Mode | Remarks |
|-----------------------|-----------------------------------|
| UN Classification | Not regulated as dangerous goods. |
| ADR/RID/IMDG/IATA | Not a Marine Pollutant |
| Transport Precautions | No special precautions required |

15. Regulatory Information

- **REACH:** Ingredients comply with general industrial powder coating regulations.
- **CLP (EC No. 1272/2008):** Not classified
- **Inventories:** For internal pipe coatings used with potable water, final approval (e.g., NSF certification) must be verified at system level.

16. Other Information – PIPEGUARD MICROBLEND P65 MSDS_v1.0

- **SDS Version: 1.0 / 2025**
- **Date of Preparation: August 2025**
- **Reason for Issue: First SDS issued for micronized technical blend**

Abbreviations:

CAS – Chemical Abstracts Service

CLP – Classification, Labelling and Packaging

REACH – Registration, Evaluation, Authorisation and Restriction of Chemicals

LD₅₀ – Median Lethal Dose

EC₅₀ – Half Maximal Effective Concentration

Disclaimer:

Information is believed accurate but provided without warranty. User is responsible for determining suitability for specific applications.

This SDS is provided for industrial handling and transportation purposes only. It does not serve as a product specification or guarantee. Polymer Add (Thailand) Co., Ltd shall not be held liable for misuse or mishandling. Final responsibility lies with the user.