

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: PVC-LUBE BLEND 2050

Micronized Additive Blend for PVC Pipe Extrusion.

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

Field	Information
Product Name	PVC-LUBE BLEND 2050
Synonyms	Micronized Additive Blend for PVC Pipe Extrusion.
Recommended Uses	Processing aid and lubricant blend for rigid PVC pipe extrusion, conduits, drainage, and profiles.
Uses advised against	Non-polymer or consumer applications
Manufacturer	Polymer Add (Thailand) Co., Ltd
Office Address	106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250
Factory Address	188/3, Moo 8, Bangpu Mai, Muang Samut Prakan, Samutprakan, Thailand 10280
Mobile (Thai)	0804531391
Mobile (English)	0839415475
Email	contact@polymeradd.co.th

2. Hazards Identification

Field	Description
Classification(GHS)	Not classified as hazardous.
Main hazards	Dust may irritate eyes and airways.
Label elements	No pictogram or signal word required.
Other Hazards	Fine powder may accumulate as dust; avoid ignition sources in dusty environments.

3. Composition/Information on Ingredients

Component	CAS No.	Function	Typical % (w/w)
Micronized PE Wax	9002-88-4	External lubricant, reduces die friction	40%
Calcium Stearate	1592-23-0	Internal lubricant, flow aid	20%
Zinc Stearate	557-05-1	Heat stabilizer, fusion promoter	10%
Acrylic Processing Aid	9011-87-4	Melt strength, fusion enhancer	20%
Fumed Silica (R972 type)	112945-52-5	Anti-caking, improves blend flow	2%
Moisture Buffer (optional)	–	Controls humidity	up to 8%

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



4. First Aid Measures

- **Inhalation:** Move to fresh air; rinse mouth; seek medical advice if symptoms persist.
- **Skin contact:** Wash thoroughly with soap and water.
- **Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses if easy. Seek medical advice if irritation continues.
- **Ingestion:** Rinse mouth; drink water. No acute toxicity expected; seek medical advice if unwell.

5. Firefighting Measures

- **Suitable extinguishing media:** Water spray, dry powder, CO₂, foam.
- **Hazards in fire:** Combustion of organic components may produce CO, CO₂, hydrocarbons, zinc oxide fumes.
- **Protective equipment:** Self-contained breathing apparatus recommended.

6. Accidental Release Measures

- **Personal precautions:** Avoid creating dust; wear PPE. Ensure ventilation.
- **Environmental precautions:** Prevent uncontrolled discharge to drains.
- **Cleanup methods:** Vacuum (HEPA filter) or damp sweep; avoid dry sweeping.

7. Handling and Storage

- **Handling:** Avoid dust generation; use local exhaust ventilation.
- **Storage:** Store in cool, dry, covered environment in sealed packaging.
- **Shelf life:** 12 months under recommended conditions.

8. Exposure Controls / Personal Protection

Field	Information
OEL (general dust)	10 mg/m ³ (inhalable), 3 mg/m ³ (respirable).
Engineering Controls	Dust extraction/LEV where powder handled.
PPE	<ul style="list-style-type: none">• Respiratory: P2/P95 mask during dusty operations.• Eyes: Safety glasses/goggles.• Hands: Gloves.• Clothing: Protective workwear.

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



9. Physical and Chemical Properties

Property	Value
Appearance	Free-flowing white powder
Odour	Neutral
Particle Size (D50)	D100 <20 µm; D50 5–8 µm
Moisture Content	< 0.3%
Bulk Density	0.25–0.35 g/cm ³
Melting range	100–120 °C

10. Stability and Reactivity

- **Stability:** Stable under recommended handling/storage.
- **Conditions to avoid:** Excessive heat, sparks, moisture.
- **Incompatible materials:** Strong oxidizers, strong acids.
- **Decomposition products:** CO, CO₂, hydrocarbons, zinc oxide fumes under fire.

11. Toxicological Information

Test	Result
Acute Toxicity	Low – not expected at mixture levels.
Irritation	Dust may cause transient eye/respiratory irritation.
Sensitization	Not expected
Chronic Effects	Long-term inhalation of respirable dust may affect lungs.

12. Ecological Information

- **Ecotoxicity:** Not expected to be hazardous.
- **Persistence/degradability:** Waxes/stearates partly biodegradable; acrylic resin and silica persistent.
- **Bioaccumulation:** Low potential.
- **Mobility:** Low – insoluble powder.

13. Disposal Considerations

- **Product/packaging:** Dispose of as non-hazardous industrial waste per local regulations. Packaging recyclable where possible

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



14. Transport Information

Mode	Remarks
UN Classification	Not classified as dangerous goods under ADR/IMDG/IATA.
Special precautions	Keep packaging intact; avoid dust release.

15. Regulatory Information

- **Classification:** Not hazardous under GHS.
- **Inventories:** Ingredients listed on major international chemical inventories.
- **Regulatory status:** Not approved for food contact unless specified.

16. Other Information

Document Ref: PVC-LUBE BLEND 2050

Issue Date: July 2025

Prepared by: Polymer Add Thailand

References: Technical Data Sheet BLACKMB MICROBLEND B45, supplier raw material SDS.

Recommended dosage: 0.5–1.5 phr in PVC formulations.

Packaging: 20 kg kraft bag or HDPE drum.

Disclaimer: Information provided for safe handling; no warranty of performance in specific end-use.

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.