

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: VARNISH MICROBLEND V75

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

Field	Information
Product Name	VARNISH MICROBLEND V75
Relevant Identified Uses	Additive for overprint varnishes (water-based, UV, solvent) in packaging and label finishing
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 (GHS)	Not classified as hazardous GHS
Label Elements	No hazard pictograms or signal words required
Other Hazards	Fine powder may cause mechanical eye and respiratory irritation Risk of combustible dust cloud under specific handling conditions

3. Composition/Information on Ingredients

Substance	CAS Number	Function	% w/w
Micronized PE Wax	9002-88-4	Slip enhancement, scuff resistance	35%
Micronized PP Wax	9003-07-0	Gloss reduction, anti-blocking	15%
PTFE Micropowder	9002-84-0	Scratch resistance, surface energy	10%
Synthetic Amide Wax	68953-58-2	Mar resistance, satin finish	15%
Dispersible Fumed Silica	112945-52-5	Rheology and flow control	5%
Silicone-Treated Silica	68909-20-6 / 63148-62-9	Anti-blocking, surface slip	10%
Moisture Buffer (Calcium-Based)	471-34-1 / 112926-00-8	Storage stability	10%

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist
- **Skin Contact:** Wash with soap and water
- **Eye Contact:** Rinse thoroughly with water for 15 minutes. Seek medical advice if irritation continues
- **Ingestion:** Rinse mouth. Do not induce vomiting. Consult a physician if discomfort occurs

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5. Firefighting Measures

- **Suitable Extinguishing Media:** Water spray, CO₂, dry chemical, or foam
- **Hazards:** Dust may form explosive mixtures with air
- **Protective Equipment:** Wear full protective gear and self-contained breathing apparatus

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust generation. Use PPE including dust mask and goggles
- **Environmental Precautions:** Prevent entry into sewers and water bodies
- **Clean-up Methods:** Sweep up or vacuum using explosion-proof system. Avoid dry sweeping

7. Handling and Storage

- **Handling:** Minimize dust generation. Use local exhaust ventilation
- **Storage:** Store in cool, dry, sealed containers away from heat and moisture
- **Shelf Life:** 12 months in sealed packaging under proper conditions.

8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	<ul style="list-style-type: none">• PE/PP Waxes, PTFE, silica: No specific exposure limits• General dust: ACGIH TLV = 10 mg/m³ (inhalable)
Engineering Controls	Dust extraction and local ventilation recommended
Personal Protection	<ul style="list-style-type: none">• Respiratory: P2 or N95 mask• Eye Protection: Safety goggles• Skin Protection: Gloves and long sleeves

9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white micronized powder
Odour	Neutral
Melting Point	100 – 135 °C
Bulk Density	~0.35 g/cm ³
Solubility in Water	Insoluble
Surface Nature	Hydrophobic
Particle Size	D90 < 16 µm; D50 = 8 µm

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10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Conditions to Avoid:** Heat, flame, electrostatic discharge
- **Incompatible Materials:** Strong oxidizers
- **Decomposition Products:** CO, CO₂, hydrocarbons, fluorinated compounds

11. Toxicological Information

Test	Result
Acute Toxicity	Not expected to be toxic
Irritation	May cause mechanical irritation to eyes and respiratory tract
Chronic Effects	No known chronic health hazards
Sensitization	Not expected

12. Ecological Information

- **Ecotoxicity:** Not considered hazardous to the environment
- **Persistence/Degradability:** Not readily biodegradable
- **Bioaccumulation:** Not expected
- **Mobility in Soil:** Low due to water insolubility

13. Disposal Considerations

- **Waste Disposal:** Dispose in accordance with local regulations as non-hazardous industrial waste
- **Packaging:** Clean and recycle if uncontaminated

14. Transport Information

Mode	Classification
UN Number	Not regulated
Transport Hazard Class	Not applicable
Packing Group	Not applicable
Marine Pollutant	No
Special Precautions	Avoid dust release during handling and transport

15. Regulatory Information

- **Chemical Inventories:** All components are listed or exempt in TSCA, REACH, DSL, etc.
- **Labelling Requirements:** Not classified as hazardous
- **Restrictions:** Not approved for direct food contact or pharma-grade coatings

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16. Other Information – VARNISH MICROBLEND V75

- **SDS Version:** 1.0 / 2025
- **Date of Preparation:** July 2025
- **Reason for Issue:** First SDS issued for micronized technical grade
- **Recommended Use:** Overprint varnishes for paper, board, film, and labels
- **Training Advice:** Ensure personnel understand handling and storage procedures for micronized powders.

Disclaimer:

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.