

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: UVINK MICROBLEND U115

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

Field	Information
Product Name	UVINK MICROBLEND U115
Relevant Identified Uses	Micronized additive for UV-curable flexo, offset, screen inks & LED-UV coatings
Supplier	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
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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 dust may cause mechanical irritation to eyes or respiratory system Risk of dust explosion in confined areas when airborne

3. Composition/Information on Ingredients

Substance	CAS Number	Function	% w/w
Micronized PE Wax	9002-88-4	Slip, rub resistance	50%
Synthetic Amide Wax	68953-58-2	Mar resistance, water repellency	15%
Micronized PTFE	9002-84-0	Slip, abrasion resistance	10%
Dispersible Fumed Silica	112945-52-5	Flow control, anti-caking	2%
Polyether-Modified Silicone	27306-78-1	Anti-blocking, slip, anti-fingerprint	8%
Acrylic Flow Modifier	9011-87-4	Pigment orientation, film leveling	5%
Moisture Buffer (Calcium-Based)	471-34-1 / 112926-00-8	Storage stability	10%

4. First Aid Measures

- Inhalation:** Move to fresh air. Get medical help if symptoms occur.
- Skin Contact:** Wash skin with soap and water.

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- **Eye Contact:** Rinse thoroughly with water for at least 15 minutes. Seek medical attention if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice if symptoms develop.

5. Firefighting Measures

- **Extinguishing Media:** CO₂, dry chemical, foam, or water spray
- **Hazards:** Fine airborne dust may combust in confined areas
- **Protective Equipment:** Wear full protective gear and self-contained breathing apparatus

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Wear suitable PPE
- **Environmental Precautions:** Prevent entry into drains or waterways
- **Clean-up Methods:** Sweep up carefully or vacuum with HEPA filter. Avoid dry sweeping

7. Handling and Storage

- **Handling:** Use with proper ventilation. Minimize dust generation
- **Storage:** Store in a dry, sealed container below 35°C. Avoid humidity and direct sunlight
- **Shelf Life:** 24 months in unopened packaging

8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	<ul style="list-style-type: none">• No specific exposure limits for this blend• General nuisance dust: ACGIH TLV = 10 mg/m³ (inhalable)
Engineering Controls	Use dust extraction and local exhaust ventilation
Personal Protection	<ul style="list-style-type: none">• Respiratory: N95/P2 dust mask• Eye Protection: Safety goggles• Skin Protection: Protective gloves and clothing

9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white micronized powder
Odour	Neutral
Melting Point	95 – 135 °C
Bulk Density	~0.35 g/cm ³
Solubility in Water	Insoluble
Surface Nature	Hydrophobic

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Particle Size	D100 < 15 μm ; D50 = < 8 μm
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10. Stability and Reactivity

- **Stability:** Stable under normal storage and handling conditions
- **Conditions to Avoid:** Heat, sparks, static electricity
- **Incompatible Materials:** Strong oxidizing agents
- **Hazardous Decomposition Products:** CO, CO₂, hydrocarbons, fluorinated vapors

11. Toxicological Information

Test	Result
Acute Toxicity	Not expected to be toxic
Irritation	May cause mechanical irritation to eyes, skin, or respiratory tract
Chronic Effects	No known chronic toxicity under recommended use
Sensitization	Not expected

12. Ecological Information

- **Ecotoxicity:** Not expected to be harmful in the environment
- **Persistence and Degradability:** Components are mostly inert and not readily biodegradable
- **Bioaccumulation:** Not expected
- **Mobility:** Low due to poor solubility and hydrophobicity

13. Disposal Considerations

- **Waste Disposal:** Dispose in accordance with local and national regulations
- **Packaging Disposal:** Recycle if uncontaminated; otherwise dispose as industrial waste

14. Transport Information

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

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15. Regulatory Information

- **Inventory Listing:** All components are listed or exempt under TSCA, REACH, DSL, etc.
- **Use Restrictions:** Not intended for direct food contact or medical applications
- **Labelling Requirements:** No specific requirements under GHS

16. Other Information – UVINK MICROBLEND U115

- **SDS Version:** 1.0 / 2025
- **Date of Preparation:** July 2025
- **Reason for Issue:** First SDS issued for micronized technical grade
- **Intended Use:** UV ink systems and coatings (flexo, offset, screen, LED-UV)
- **Training Advice:** Ensure staff are trained in dust handling and storage precautions.

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.