

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: OFFSETINK MICROBLEND O21

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

Field	Information
Product Name	OFFSETINK MICROBLEND O21
Relevant Identified Uses	Additive blend for offset printing inks
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 particles may cause mechanical irritation Combustible dust potential in confined spaces

3. Composition/Information on Ingredients

Substance	CAS Number	Function	% w/w
Micronized PE Wax	9002-88-4	Slip and rub resistance	50%
Synthetic Amide Wax	68953-58-2	Mar resistance	20%
Micronized PTFE	9002-84-0	Scuff resistance, ultra-low friction	10%
Fumed Silica (R972)	112945-52-5	Flow control, anti-caking	2%
Antioxidant 1010	6683-19-8	Oxidation resistance	3%
Acrylic Processing Aid	9011-87-4	Pigment dispersion, leveling	5%
Moisture Buffer (optional)	471-34-1 / 112926-00-8	Humidity stability	10%

4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
- **Eye Contact:** Flush eyes with water for at least 15 minutes. Get medical help if irritation continues.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical attention if needed.

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5. Firefighting Measures

- **Suitable Extinguishing Media:** Dry chemical, foam, water mist, CO₂
- **Fire Hazards:** Combustible dust may form explosive mixture in air
- **Protective Equipment:** Self-contained breathing apparatus and full protective clothing

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation. Use PPE and ensure ventilation
- **Environmental Precautions:** Prevent product from entering drains or watercourses
- **Clean-up Methods:** Vacuum using explosion-proof system or wet methods. Avoid dry sweeping

7. Handling and Storage

- **Handling:** Use in well-ventilated area. Avoid dust buildup. Ground equipment
- **Storage:** Store in cool, dry, sealed containers. Avoid moisture and direct sunlight. Shelf life: 12 months.

8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	<ul style="list-style-type: none">• PTFE and waxes: Not established• General nuisance dust: ACGIH TLV = 10 mg/m³ (inhalable)
Engineering Controls	Use local exhaust ventilation
Personal Protection	<ul style="list-style-type: none">• Respiratory: N95 or P2 dust mask• Eyes: Safety goggles• Hands: Protective gloves• Skin: Long-sleeved clothing

9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white micronized powder
Odour	Neutral to faint waxy
Melting Point	100 – 130 °C
Bulk Density	0.30 – 0.42 g/cm ³
Solubility in Water	Insoluble
Dispersibility	Excellent in oil- and vegetable-based inks
Particle Size	D100 < 20 µm; D50 = 5 – 8 µm

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10. Stability and Reactivity

- **Reactivity:** Not reactive under normal use
- **Chemical Stability:** Stable under normal conditions
- **Conditions to Avoid:** Heat, sparks, static electricity
- **Incompatible Materials:** Strong oxidizers
- **Hazardous Decomposition Products:** CO, CO₂, hydrocarbons, fluorinated compounds

11. Toxicological Information

Test	Result
Acute Toxicity	Not expected to be toxic
Skin/ Eye Contact	May cause mechanical irritation
Chronic Effects	No known chronic toxicity under recommended use
Inhalation	Dust may cause respiratory irritation

12. Ecological Information

- **Ecotoxicity:** Not expected to be harmful to aquatic life
- **Persistence/Degradability:** Not readily biodegradable (mostly inert)
- **Bioaccumulation Potential:** Low
- **Mobility in Soil:** Negligible due to insolubility

13. Disposal Considerations

- **Waste Treatment Methods:** Dispose of in accordance with local/national regulations
- **Packaging Disposal:** Recycle clean containers or dispose of as non-hazardous 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 packaging damage and dust release during transport

15. Regulatory Information

- **Inventory Status:** All components listed or exempt under TSCA, REACH, DSL, etc.
- **Use Restrictions:** Not for food or pharmaceutical packaging inks

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- **Labelling Requirements:** Not classified as hazardous—no special labelling required

16. Other Information – OFFSETINK MICROBLEND O21

- **SDS Version:** 1.0 / 2025
- **Date of Preparation:** July 2025
- **Reason for Issue:** First SDS issued for micronized technical grade
- **Recommended Use:** For offset ink formulations only
- **Training Advice:** Train personnel in proper handling of 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.