

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: WPC-MICROBLEND XT 3030

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

Field	Information
Product Name	WPC-MICROBLEND XT 3030
Relevant Identified Uses	Lubricant/stabilizer blend for WPC extrusion and molding
Restrictions on Use	Not for direct food contact, cosmetic, or medical applications
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
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2. Hazards Identification

Field	Description
Classification	<ul style="list-style-type: none">Not classified as hazardous under normal handling.Dust may cause mechanical irritation to eyes, skin, and respiratory tract.
Hazards	<ul style="list-style-type: none">May cause irritation by inhalation of dust.May cause mild skin/eye irritation.
Signal Word	None
Precautionary Statements	<ul style="list-style-type: none">Avoid generating and inhaling dust.Use local exhaust ventilation.Wear protective gloves, goggles, and dust mask.

3. Composition/Information on Ingredients

Component	Function	% w/w	CAS No.
Micronized PE Wax	External lubricant	35%	9002-88-4
GMS 90% (Glycerol Monostearate)	Internal lubricant	20%	31566-31-1
Calcium Stearate	Lubricant/stabilizer	15%	1592-23-0
Zinc Stearate	Thermal stabilizer	10%	557-05-1
Antioxidant 1010	Primary antioxidant	5%	6683-19-8
Antioxidant 168	Secondary antioxidant	5%	31570-04-4
Fumed Silica (R972 type)	Flow aid	2%	112945-52-5
Moisture Buffer (CaCO ₃ /SiO ₂)	Optional	8%	471-34-1 / 112926-00-8

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4. First Aid Measures

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

5. Firefighting Measures

- **Suitable Extinguishing Media:** Water spray, dry chemical, foam, CO₂.
- **Unsuitable Media:** High-pressure water jets may disperse dust.
- **Special Hazards:** Dust may form explosive mixtures with air. Combustion releases CO, CO₂, and organic vapors.
- **Protective Equipment:** Self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

- **Personal Precautions:** Avoid generating dust.
- **Environmental Precautions:** Sweep or vacuum up material and place in suitable container for disposal.
- **Clean-Up Methods:** Prevent product from entering drains or waterways.

7. Handling and Storage

- **Handling:** Use with adequate ventilation. Minimize dust formation.
- **Storage:** Store in a cool, dry place. Protect from humidity and sunlight.
- **Packaging:** Supplied in 20 kg multilayer kraft bags with PE liner.
- **Shelf Life:** 12 months under recommended storage.

8. Exposure Controls / Personal Protection

Field	Information
Occupational Exposure Limits	Not established for blend; treat as nuisance dust (10 mg/m ³ total dust).
Engineering Controls	Local exhaust ventilation recommended.
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 to slightly waxy
Moisture Content	<0.5%
Particle Size(D50)	6 – 10 µm
Particle Size(D100)	< 20 µm
Bulk Density	0.30 – 0.40 g/cm ³
Melting Point (blend)	90 – 120 °C
Water Solubility	Insoluble
Flash Point:	> 250 °C (estimated, organic components)

10. Stability and Reactivity

- **Stability:** Stable under recommended conditions.
- **Conditions to Avoid:** High heat, ignition sources, moisture.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition:** CO, CO₂, organic vapors, metal oxides.

11. Toxicological Information

Test	Result
Acute Toxicity	Not expected to be acutely toxic.
Skin/ Eye Irritation	May cause mild irritation from dust.
Inhalation	Dust may cause respiratory tract irritation.
Carcinogenic	None of the components are classified as carcinogenic (IARC, NTP, OSHA).
Chronic Effects	Prolonged inhalation of nuisance dust may impair lung function.

12. Ecological Information

- **Aquatic Toxicity:** Low solubility; not expected to cause acute aquatic hazard.
- **Persistence/Degradability:** Components are slowly biodegradable.
- **Bioaccumulation:** Low potential.
- **Mobility:** Insoluble in water, settles in soil/sediment.

13. Disposal Considerations

- **Product Waste:** Dispose of contents/container in accordance with local, regional, and national regulations. Can be landfilled or incinerated in approved facilities. Avoid release to the environment.

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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 and polymer additive regulations. Not intended for direct food contact or medical use.
- **CLP (EC No. 1272/2008):** Not classified
- **Inventories:** Components may be listed on TSCA, REACH, and similar chemical inventories.

16. Other Information – WPC-MICROBLEND XT 3030

- **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.