

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: ARCHICOAT MICROBLEND X60

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

| Field | Information |
|--------------------------|---|
| Product Name | ARCHICOAT MICROBLEND X60 |
| Relevant Identified Uses | Micronized additive blend for powder coating – architectural applications |
| Uses Advised Against | Not intended for pharmaceutical or food use unless tested and certified |
| 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 (CLP) | Not classified under Regulation (EC) No. 1272/2008 |
| Classification (67/548/EEC) | Not classified |
| Label Elements | No hazard pictograms or signal words required |
| Supplemental | EUH210: Safety data sheet available on request |

3. Composition/Information on Ingredients

| Substance | CAS Number | Function | % w/w |
|-------------------------------------|------------------------|---|-------|
| Micronized PE Wax | 9002-88-4 | Surface slip, anti-blocking, gloss control | 40% |
| Synthetic Amide Wax | 68953-58-2 | Mar resistance and flow improvement | 15% |
| UV-Stable Acrylic Wax | Proprietary | Enhances weather ability and smooth finish | 10% |
| Fumed Silica (R972 type) | 112945-52-5 | Flow modifier and anti-caking | 2% |
| Antioxidant 1010 | 6683-19-8 | Prevents thermal degradation during curing | 3% |
| Slip Additive (Silicone Resin Type) | 63148-62-9 | Improves release and prevents metal marking | 5% |
| Moisture Buffer (optional) | 471-34-1 / 112926-00-8 | Stabilizes blend against humidity and agglomeration | 15% |
| Ethylene-propylene oxide copolymer | 9003-11-6 | Improves pigment orientation and color strength | 10% |

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4. First Aid Measures

- **General Advice:** No specific hazards under normal industrial use.
- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash with soap and water. If irritation occurs, consult a physician.
- **Eye Contact:** Rinse with clean water for several minutes. Seek medical advice if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice if discomfort occurs.

5. Firefighting Measures

- **Extinguishing Media:** Use dry chemical, foam, CO₂, or water spray.
- **Fire Hazards:** May emit CO, CO₂, and hydrocarbons upon thermal decomposition. Fine powder may form explosive dust-air mixtures.
- **Protective Equipment:** Firefighters should wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- **Personal Precautions:** Avoid generating dust. Use personal protective equipment (mask, goggles, gloves).
- **Environmental Precautions:** Avoid release to water bodies or drains.
- **Clean-Up Methods:** Sweep or vacuum without raising dust. Collect in suitable containers. Dispose according to local regulations.

7. Handling and Storage

- **Handling:** Avoid inhalation and contact with eyes or skin. Use in well-ventilated areas. Prevent dust formation.
- **Storage:** Store in a cool, dry, well-ventilated area. Keep containers tightly closed and away from moisture and oxidizing agents.

8. Exposure Controls / Personal Protection

| Field | Information |
|------------------------|--|
| OEL (TWA) | No specific limit; follow general dust limits (10 mg/m ³ inhalable, 5 mg/m ³ respirable) |
| Engineering Controls | Use local exhaust ventilation and dust collection systems |
| PPE | Dust mask (P2), chemical-resistant gloves, safety goggles |
| Environmental Controls | Prevent environmental contamination or release to drains |

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9. Physical and Chemical Properties

| Property | Value |
|---------------------------|---|
| Appearance | White to off-white free-flowing powder |
| Odour | Neutral to faint waxy |
| pH (1% dispersion) | Not applicable |
| Melting Point Range | 95 – 125 °C (blend basis) |
| Boiling Point | Not applicable |
| Flash Point | Not applicable |
| Flammability | Combustible as fine powder |
| Vapour Pressure | Negligible |
| Relative Density | 0.28 – 0.38 g/cm ³ |
| Solubility in Water | Insoluble |
| Decomposition Temperature | >200 °C |
| Explosive Properties | Dust explosion risk under airborne conditions |

10. Stability and Reactivity

- **Stability:** Stable under normal conditions of use and storage.
- **Hazardous Reactions:** None known under normal processing.
- **Incompatible Materials:** Strong oxidizing agents and acids.
- **Decomposition Products:** CO, CO₂, hydrocarbons, silicone vapors.

11. Toxicological Information

| Test | Result |
|-----------------------------|--|
| Oral LD ₅₀ (rat) | >2000 mg/kg (estimated, based on components) |
| Skin Irritation | Not irritating under normal use |
| Eye Irritation | May cause mild mechanical irritation |
| Sensitization | Not expected |
| Carcinogenicity | Not listed by IARC, NTP, or OSHA |

12. Ecological Information

| Organism | Test | Result |
|----------|------------------------------------|-----------|
| Fish | LC ₅₀ (96 h, estimated) | >100 mg/L |
| Daphnia | EC ₅₀ (48 h, estimated) | >100 mg/L |
| Algae | EC ₅₀ (72 h, estimated) | >100 mg/L |

Conclusion:

- Not expected to bioaccumulate.
- Poor water solubility.
- Not readily biodegradable.
- Avoid direct discharge into the environment.

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13. Disposal Considerations

- **Product Waste:** Dispose in accordance with applicable local/national regulations.
- **Contaminated Packaging:** Clean thoroughly before reuse or dispose as solid waste.
- **Waste Code (EU):** 07 06 99 – Wastes not otherwise specified

14. Transport Information

| Mode | Classification | Remarks |
|---------------------|----------------|-----------------------------------|
| ADR/RID (Road/Rail) | Not regulated | Not classified as dangerous goods |
| IMDG (Sea) | Not regulated | Not a marine pollutant |
| ICAO/IATA (Air) | Not regulated | Not restricted |
| DOT (USA) | Not regulated | Not hazardous for transport |

15. Regulatory Information

- **REACH:** Exempt or pre-registered
- **CLP (EC No. 1272/2008):** Not classified
- **Inventories:** All components listed or compliant with TSCA, DSL, AICS, IECSC, ENCS, KECI, PICCS, NZIoC

16. Other Information – ARCHICOAT MICROBLEND X60

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:

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.