

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: RUBBERGUARD MICROBLEND R85

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

Field	Information
Product Name	RUBBERGUARD MICROBLEND R85
Relevant Identified Uses	Additive blend for EPDM-based automotive rubber compounds
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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2. Hazards Identification

Field	Description
Classification	Non-hazardous under GHS
Hazards	Dust may cause mechanical irritation to eyes, skin, or respiratory tract
Signal Word	None

3. Composition/Information on Ingredients

Substance	CAS No	Function	%%W/W
Micronized Talc	14807-96-6	Matting agent, anti-settling, rheology control	40%
Micronized Mica	12001-26-2	Barrier layer, flexibility, crack resistance	25%
Calcium Carbonate (Fine Grade)	471-34-1	Extender, improves scrub resistance	15%
Zinc Oxide (Micronized)	1314-13-2	Anti-corrosion pigment	5%
Stearic Acid (Micronized)	57-11-4	Opacity, gloss, UV/weather resistance	2%
Synthetic Amorphous Silica	7631-86-9	Surface slip, scratch resistance, anti-mar	2%
Micronized PE Wax	9002-88-4	Matting agent, anti-settling, rheology control	1%
AO-1010 & AO-168	6683-19-8 / 31570-04-4	Barrier layer, flexibility, crack resistance	Combined 1%
Hydrophobic Silica (R972 equivalent)	67762-90-7	Extender, improves scrub resistance	0.5%

4. First Aid Measures

- Inhalation:** Move to fresh air
- Skin Contact:** Wash with soap and water

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- **Eye Contact:** Rinse with clean water
- **Ingestion:** Rinse mouth and seek medical advice if symptoms persist

5. Firefighting Measures

- **Extinguishing Media:** Dry chemical, CO₂, foam, water spray
- **Hazards:** Combustion may release CO, CO₂, metal oxides
- **Protective Equipment:** Use SCBA and full protective gear

6. Accidental Release Measures

- **Personal Precautions:** Avoid dust formation.
- **Environmental Precautions:** Sweep or vacuum using dust suppressant methods
- **Clean-Up Methods:** Prevent entry into drains

7. Handling and Storage

- **Handling:** Use local exhaust ventilation and PPE
- **Storage:** Store sealed in a cool, dry place below 30 °C and <60% RH

8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	General nuisance dust limits apply
PPE	Dust mask, gloves, goggles, protective clothing

9. Physical and Chemical Properties

Property	Value
Appearance	Fine light gray to off-white powder
Moisture Content	<0.5%
Particle Size	D50 < 10 µm
Bulk Density	0.45–0.60 g/cm ³
Shelf Life	24 months
pH (10% slurry)	8–9

10. Stability and Reactivity

- **Stability:** Stable under recommended storage
- **Hazardous Reactions:** Avoid strong acids and oxidizers

11. Toxicological Information

Test	Result
Acute Toxicity	Low acute toxicity
Irritation	Prolonged inhalation of dust may irritate respiratory system

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12. Ecological Information

Conclusion:

- No expected bioaccumulation
- Prevent uncontrolled release into water or soil

13. Disposal Considerations

- **Product Waste:** Dispose as non-hazardous industrial waste in accordance with local regulations

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:** All components are compliant with regulatory norms
- **CLP (EC No. 1272/2008):** Not classified
- **Inventories:** Free from nitrites, BTA, and SVHCs

16. Other Information – RUBBERGUARD MICROBLEND R85 MSDS v1.0

- **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.