

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: VCIGUARD ECO75

Micronized VCI Additive Blend – Eco-Friendly, BTA-Free, Biodegradable Corrosion Protection

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

Field	Information
Product Name	VCIGUARD ECO75
Synonyms	Micronized VCI Additive Blend – Eco-Friendly, BTA-Free, Biodegradable Corrosion Protection
Recommended Uses	VCI additive for corrosion protection in films, paper coatings, molded compounds
Manufacturer	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(GHS)	Not classified as hazardous under GHS.
Hazards	Dust may cause mechanical eye or respiratory irritation.
Signal Word	None

3. Composition/Information on Ingredients

Component	% w/w	CAS No.
Sodium Succinate	10%	150-90-3
Monoammonium Phosphate	10%	7722-76-1
Sodium Benzoate	30%	532-32-1
Polyethylene Wax	8%	9002-88-4
Hydrophobic Fumed Silica	1%	67762-90-7
Micronized Calcium Carbonate	41%	471-34-1

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4. First Aid Measures

- **Inhalation:** Move to fresh air. If breathing is difficult, seek medical attention.
- **Skin:** Wash with soap and water.
- **Eyes:** Flush with water. Seek medical advice if irritation persists.
- **Ingestion:** Rinse mouth. Do not induce vomiting.

5. Firefighting Measures

- **Extinguishing Media:** Water spray, dry chemical, foam, CO₂.
- **Hazards:** Decomposition may release ammonia (MAP) and CO₂.
- **Protection:** Use SCBA and protective gear.

6. Accidental Release Measures

- **Personal precautions:** Avoid dust formation.
- **Environmental precautions:** Collect using non-sparking tools or HEPA vacuum.
- **Clean-up methods:** Avoid release to drains.

7. Handling and Storage

- **Handling:** Avoid dust generation. Ensure adequate ventilation.
- **Storage:** Store in a dry, cool place. Protect from moisture and temperatures above 35 °C.

8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	General nuisance dust limits apply.
PPE	Gloves, goggles, dust mask.

9. Physical and Chemical Properties

Property	Value
Appearance	Fine white to light beige powder
Odour	Mild or odorless
Particle Size (D100)	<20 µm
Moisture Content	< 0.5%
Bulk Density	~0.40–0.55 g/cm ³

10. Stability and Reactivity

- **Stability:** Stable under recommended conditions.
- **Conditions to Avoid:** Avoid contact with strong acids and oxidizers.

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11. Toxicological Information

Test	Result
Acute Toxicity	Expected to be of low toxicity.
Skin/ Eye Irritation	Dust may cause mild eye or respiratory irritation.

12. Ecological Information

- **Aquatic Toxicity:** Biodegradable components.
- **Persistence/Degradability:** Low environmental impact if used as directed.

13. Disposal Considerations

- **Product/packaging:** Dispose of in accordance with local, regional, or national regulations. Avoid water release.

14. Transport Information

Mode	Remarks
UN Classification	Not classified as dangerous goods (ADR/IMDG/IATA).
Special precautions	Keep packaging intact, prevent dust release.

15. Regulatory Information

- **Classification:** Compliant with regulations for industrial VCI use.
- **Inventories:** No BTA or nitrites. Environmentally safer formulation.

16. Other Information

Document Ref: VCIGUARD ECO75

Issue Date: August 2025

Prepared by: Polymer Add Thailand

Recommended dosage: 1.0–5.0 wt% in PE formulations.

Packaging: 10 kg PE-lined kraft bags; optional 5 kg HDPE sealed; 500 kg/pallet.

Disclaimer: Provided in good faith. User must confirm suitability.

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.