

# 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 HF70

Micronized VCI Additive Blend – High-Strength Film Grade for Copper + Aluminium Protection

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

Field	Information
Product Name	VCIGUARD HF70
Synonyms	Micronized VCI Additive Blend – High-Strength Film Grade for Copper + Aluminium Protection
Recommended Uses	VCI additive for blown and cast films for multi-metal protection
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.
Morpholinium Benzoate	20%	31138-65-5
2-Mercaptobenzimidazole	10%	583-39-1
Sodium Succinate	10%	150-90-3
Micronized PE Wax or GMS 90%	10%	9002-88-4 / 31566-31-1
Hydrophobic Fumed Silica	1%	67762-90-7
Micronized Calcium Carbonate	49%	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, CO<sub>2</sub>.
- **Hazards:** Decomposition may release ammonia (MAP) and CO<sub>2</sub>.
- **Protection:** Use SCBA and protective gear.

## 6. Accidental Release Measures

- **Personal precautions:** Avoid dust formation.
- **Environmental precautions:** Clean with HEPA vacuum or wet method.
- **Clean-up methods:** Prevent release to water or soil.

## 7. Handling and Storage

- **Handling:** Minimize dust. Use with adequate ventilation.
- **Storage:** Store in sealed containers in a cool (<30 °C), dry place.

## 8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	Follow nuisance dust limits (10 mg/m <sup>3</sup> total, 3 mg/m <sup>3</sup> respirable).
PPE	Gloves, goggles, dust mask.

## 9. Physical and Chemical Properties

Property	Value
Appearance	Beige to off-white fine powder
Odour	Mild amine-like
Particle Size (D100)	<20 µm
Moisture Content	< 0.5%
Bulk Density	~0.40–0.55 g/cm <sup>3</sup>

## 10. Stability and Reactivity

- **Stability:** Stable under recommended conditions.
- **Conditions to Avoid:** Avoid oxidizing agents and high humidity.

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## 11. Toxicological Information

Test	Result
Acute Toxicity	Low toxicity.
Skin/ Eye Irritation	May cause mechanical irritation from dust.
Carcinogenic	Not carcinogenic

## 12. Ecological Information

- **Aquatic Toxicity:** Components expected to be low in eco-toxicity.
- **Persistence/Degradability:** Avoid uncontrolled environmental release.

## 13. Disposal Considerations

- **Product/packaging:** Dispose per local environmental regulations. Do not release to surface water.

## 14. Transport Information

Mode	Remarks
UN Classification	Not classified as dangerous goods (ADR/IMDG/IATA).
Special precautions	Not regulated for transport

## 15. Regulatory Information

- **Classification:** Complies with global additive and plastic packaging regulations.
- **Inventories:** No BTA or nitrites.

## 16. Other Information

**Document Ref:** VCIGUARD HF70

**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.