

# 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 CU65

Micronized VCI Blend – BTA-Free, Copper-Safe Corrosion Protection

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

Field	Information
Product Name	VCIGUARD CU65
Synonyms	Micronized VCI Blend – BTA-Free, Copper-Safe Corrosion Protection
Recommended Uses	VCI additive for copper, brass, and mild steel packaging
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 mild eye and respiratory irritation.
Signal Word	None

### 3. Composition/Information on Ingredients

Component	% w/w	CAS No.
Benzylammonium Benzoate	20%	19855-38-6
2-Mercaptobenzimidazole	10%	583-39-1
Sodium Citrate	10%	68-04-2
Micronized Talc	20%	14807-96-6
Hydrophobic Fumed Silica	1%	67762-90-7
Micronized Calcium Carbonate	39%	471-34-1

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## 4. First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.
- **Skin:** Wash with soap and water.
- **Eyes:** Rinse cautiously with water.
- **Ingestion:** Rinse mouth and seek medical attention.

## 5. Firefighting Measures

- **Extinguishing Media:** Dry chemical, foam, water spray, CO<sub>2</sub>.
- **Hazards:** Thermal decomposition may produce CO<sub>2</sub>, CO, sulfur oxides.
- **Protection:** SCBA recommended.

## 6. Accidental Release Measures

- **Personal precautions:** Avoid dust formation.
- **Environmental precautions:** Sweep or vacuum using HEPA filter.
- **Clean-up methods:** Avoid release to drains.

## 7. Handling and Storage

- **Handling:** Use with adequate ventilation. Avoid dust exposure.
- **Storage:** Store in sealed containers in a dry area below 30 °C.

## 8. Exposure Controls / Personal Protection

Field	Information
Exposure Limits	General nuisance dust levels apply.
PPE	Safety goggles, gloves, dust mask.

## 9. Physical and Chemical Properties

Property	Value
Appearance	Off-white to beige powder
Odour	Mild ammoniacal or sulfurous
Particle Size (D100)	<20 µm
Moisture Content	< 0.5%
Bulk Density	~0.35–0.55 g/cm <sup>3</sup>

## 10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
- **Conditions to Avoid:** Avoid contact with oxidizers.

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## 11. Toxicological Information

Test	Result
Acute Toxicity	Low toxicity expected.
Skin/ Eye Irritation	Dust may irritate eyes or lungs.
Carcinogenicity	Not carcinogenic.

## 12. Ecological Information

- **Aquatic Toxicity:** Avoid uncontrolled release.
- **Persistence/Degradability:** No known long-term ecological hazards.

## 13. Disposal Considerations

- **Product/packaging:** Dispose per local regulations.
- **Waste Disposal:** Prevent material from entering waterways.

## 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 packaging and additive regulations.
- **Inventories:** BTA-free formulation.

## 16. Other Information

**Document Ref:** VCIGUARD CU65

**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:** Data are provided for safe handling. Performance must be verified by user in end-application

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.