

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

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SAFETY DATA SHEET (SDS) Product Name: VCIGUARD XP80

Micronized VCI Additive Blend – Long-Term VCI System for Ferrous + Non-Ferrous Protection

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

Field	Information
Product Name	VCIGUARD XP80
Synonyms	Micronized VCI Additive Blend – Long-Term VCI System for Ferrous + Non-Ferrous Protection
Recommended Uses	Use: High-performance VCI additive for molded and coated products requiring long-term corrosion 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 mild eye or respiratory irritation.
Signal Word	None

3. Composition/Information on Ingredients

Component	% w/w	CAS No.
Morpholinium Benzoate	25%	31138-65-5
2-Mercaptobenzimidazole	10%	583-39-1
Sodium Benzoate	20%	532-32-1
Sodium Succinate	10%	150-90-3
Hydrophobic Fumed Silica	1%	67762-90-7
Micronized Calcium Carbonate	34%	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 thoroughly with water.
- **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 creating airborne dust.
- **Environmental precautions:** Sweep up or vacuum.
- **Clean-up methods:** Avoid release to drains or environment.

7. Handling and Storage

- **Handling:** Use with local exhaust ventilation to avoid dust accumulation.
- **Storage:** Store sealed in a dry, cool place under 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 beige or off-white powder
Odour	Mild
Particle Size (D100)	<20 µm
Moisture Content	< 0.5%
Bulk Density	~0.45–0.60 g/cm ³

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.
Inhalation	Inhalation of dust may irritate respiratory tract.
Carcinogenic	Not known to be carcinogenic

12. Ecological Information

- **Persistence/Degradability:** Avoid bulk discharge into aquatic systems.
- **Bioaccumulation:** Expected to be biodegradable.

13. Disposal Considerations

- **Product/packaging:** Dispose in accordance with local regulations. Prevent environmental contamination.

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 international regulatory guidelines.
- **Inventories:** BTA-free, nitrite-free.

16. Other Information

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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.