

MSDS-VOGA CEM-GUARD

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VOGEL SYSTEMS Safety data sheet

Date / Revised: 19.09.2022

Product: **MSDS-VOGA CEM-GUARD**

Version: 1.0

Date of print 20.09.2022

1. Identification

Product identifier

VOGA CEM-GUARD

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Product for construction chemicals Recommended use: for industrial and professional users



Details of the supplier of the safety data sheet

E-mail address: info@vogel-systems.de

Emergency telephone number

International emergency number:

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKINGProduct identifierProduct name **VOGA CEM-GUARD****2. Relevant identified uses of the substance or mixture and uses advised against**Identified uses : **Petrochemical Grade Cementitious Fireproofing****3. Details of the supplier of the safety data sheet**Supplier

Company name : Vogel co.

E-mail address: info@vogel-systems.de**2. COMPOSITION/INFORMATION ON INGREDIENTS****GHS Classification:**

- Skin Irritation (Category 2)
- Serious Eye Damage (Category 1)
- Specific Target Organ Toxicity – Single Exposure (respiratory irritation) (Category 3)

Signal Word: Danger**Hazard Statements:**

- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.

Precautionary Statements:

- P260 Do not breathe dust.
- P264 Wash thoroughly after handling.
- P280 Wear protective gloves, protective clothing, eye protection and face protection.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present.

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3. COMPOSITION

Ingredient	CAS No.	Concentration (%)	Classification
Portland cement	1-15-65997	80–60	Skin Irrit. 2; Eye Dam. 1; STOT SE 3
Inorganic fillers & aggregates	—	20–10	Not classified
Corrosion inhibitors & additives	Proprietary*	10–5	Not classified
Hydration control agents	Proprietary*	5–1	Not classified

*Exact compositions are company confidential; full CAS information available on request.

4. FIRST AID MEASURES**Inhalation:**

Move victim to fresh air. If breathing is difficult, administer oxygen. Seek medical attention if symptoms persist.

Skin Contact:

Remove contaminated clothing. Wash skin with plenty of soap and water. If irritation or rash develops, get medical advice.

Eye Contact:

Rinse immediately with water for at least 15 minutes, lifting eyelids occasionally. Seek immediate ophthalmic care.

Ingestion:

Rinse mouth; do NOT induce vomiting. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray, foam, dry chemical, CO₂

Unsuitable media: High-pressure water jet

Specific hazards: In fire, may produce oxides of carbon and metal oxides

Protection: Wear full protective clothing and self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use PPE as described in Section 8. Avoid breathing dust.

Environmental precautions: Prevent entry into drains or waterways.

Cleanup methods: Sweep or vacuum up material; avoid dry sweeping. Place in labeled waste container.

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7. HANDLING AND STORAGE

Handling:

- Use in well-ventilated areas. Avoid dust formation; do not breathe dust. Do not eat, drink or smoke during use

Storage:

- Keep containers tightly closed at 5–30 °C; protect from moisture and sunlight.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits:

- Portland cement: 10 mg/m³ (inhalable), 4 mg/m³ (respirable) TWA (ACGIH)

Engineering controls: Local exhaust or general ventilation to control dust levels.

Personal protective equipment:

- Respiratory: P2 or P3 dust mask
- Eyes: Safety goggles
- Skin: Nitrile gloves and chemical-resistant clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Result
Appearance	Gray powder
Odor	Odorless
pH (in water)	Alkaline (> 12)
Bulk density	≈ 640 kg/m ³
Compressive strength	≈ 3 780 kN/m ²
Solubility in Water	Negligible
Bond strength	≈ 478 kN/m ²
Hardness	Shore D 40

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10. STABILITY AND REACTIVITY

- **Reactivity:** Reacts with water to form hydrated cement
- **Stability:** Stable under recommended storage
- **Avoid:** Moisture, extreme temperatures
- **Incompatible materials:** Strong acids, aluminum metal
- **Decomposition products:** Oxides of carbon and metal oxides

11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:** Inhalation may irritate respiratory tract; skin contact may cause irritation and alkaline burns; eye contact causes serious damage
- **Chronic effects:** Prolonged inhalation of respirable dust may cause lung effects

12. ECOLOGICAL INFORMATION

- **Ecotoxicity:**
Toxic to aquatic life
- **Persistence & degradability:**
Not biodegradable
- **Bioaccumulation potential:**
Low
- **Mobility:**
Adsorbs to soil

13. DISPOSAL CONSIDERATIONS

- Dispose of in accordance with local/regional/national regulations
- Empty containers may contain residues; treat as hazardous waste

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14. TRANSPORT INFORMATION

- **UN Number:** UN 3288 (Isocyanates, liquid, n.o.s.)
- **Proper Shipping Name:** Isocyanates, liquid, n.o.s.
- **Class:** 8 (Corrosive)
- **Packing Group:** III
- **Marine pollutant:** Yes

15. Regulatory Information

- **REACH (EU) Regulation 1907/2006:** Compliant
- **US TSCA:** All components listed
- **Local regulations:** Complies with applicable country requirements

16. OTHER INFORMATION

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