

# **MSDS-VOGA FEX\_CEM**

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VOGEL SYSTEMS Safety data sheet

Date /Revised: 19.09.2022

Version: 1.0

Product: **MSDS-VOGA FEX\_CEM**

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Date of print 20.09.2022

## **1. Identification**

### **Product identifier**

**VOGA FEX\_CEM**

### **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](mailto:info@vogel-systems.de)

### **Emergency telephone number**

International emergency number

VOGEL SYSTEMS Safety data sheet

Date /Revised: 19.09.2022

Product: **MSDS-VOGA FEX\_CEM**

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## **1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

### **1. Product identifier**

Product name **VOGA FEX\_CEM**

### **2. Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : **Tile adhesive for large sized ceramic tiles**

#### Supplier

Company name : Vogel co.

### **3. Details of the supplier of the safety data sheet**

E-mail address: [info@vogel-systems.de](mailto:info@vogel-systems.de)

## **2. COMPOSITION/INFORMATION ON INGREDIENTS**

### **GHS Classification**

Skin Irritation (Category 2)

Eye Irritation (Category 2A)

Specific target organ toxicity – single exposure (respiratory tract irritation) (Category 3)

**Signal word:** Warning

**Pictograms:**

**Hazard statements:**

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

**Precautionary statements:**

P261 Avoid breathing dust

P264 Wash thoroughly after handling

P280 Wear protective gloves/eye protection

P302 + P352 IF ON SKIN: Wash with plenty of water

P304 + P340 IF INHALED: Remove person to fresh air

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes

P312 Call a poison center/doctor if you feel unwell

**3. COMPOSITION**

Component	CAS No.	Concentration (% w/w)	Classification
Portland cement	1-15-65997	60–40	Skin Irrit. 2; Eye Irrit. 2A
Calcium aluminosilicate fillers	—	30–20	Not classified
Polymer dispersion (proprietary)	—	10–5	Not classified
Silica sand	9-86-7631	20–10	Not classified
Additives (retarders, thickeners)	Confidential	5 ≥	Not classified

**4. FIRST AID MEASURES****Inhalation**

- Move the affected person to fresh air immediately.
- Keep them at rest in a comfortable position for breathing.
- If irritation, coughing, or difficulty breathing persists, seek medical attention.

**Skin Contact**

- Brush off any dry powder.
- Rinse skin thoroughly with plenty of water for at least 15 minutes.
- If redness, pain or rash develops, get medical advice.
- Remove and launder contaminated clothing before reuse.

**Eye Contact**

- Immediately rinse eyes with clean, gently flowing water for at least 15 minutes, lifting upper and lower lids.
- Remove contact lenses if present and easy to do, then continue rinsing.
- Seek prompt ophthalmological examination.

**Ingestion**

- Rinse mouth with water.
- Do not** induce vomiting.
- If the person is conscious, give small sips of water.
- Obtain medical attention if discomfort occurs.

**Notes to Physician**

- Treat symptomatically; alkaline burns may require neutralization.
- Monitor for chemical pneumonitis if inhalation was significant.

## 5. FIRE FIGHTING MEASURES

### Suitable Extinguishing Media

- Use extinguishing media appropriate for surrounding fire:
  - Water spray or fog
  - Alcohol-resistant foam
  - Dry chemical powder
  - Carbon dioxide (CO<sub>2</sub>)

### Unsuitable Extinguishing Media

- None specific to the product itself (non-flammable), but avoid direct high-pressure water jets that may spread burning packaging.

### Specific Hazards Arising from the Chemical

- The product is not combustible.
- Combustion of packaging materials may produce:
  - Carbon monoxide (CO)
  - Carbon dioxide (CO<sub>2</sub>)
  - Smoke and irritating fumes

### Special Protective Equipment and Precautions for Fire-fighters

- Wear full structural firefighting gear (turnout coat, pants, helmet, gloves, boots).
- Use self-contained breathing apparatus (SCBA) if fighting fire in enclosed or poorly ventilated areas.
- Cool exposed containers with water spray to prevent pressure build-up and possible rupture.

### Additional Information

- Fire-fighting runoff and residues may be contaminated—collect and dispose of according to local regulations.
- Prevent contaminated water from entering drains or waterways.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions

- Evacuate non-essential personnel from the area.
- Avoid generating dust. Use local exhaust or wear a P2/P3 particulate respirator (see Section 8).
- Wear protective gloves, safety goggles, and protective clothing to prevent skin/eye contact.

### Environmental Precautions

- Prevent material from entering drains, sewers, surface water, or soil.
- If the product does enter waterways, notify relevant authorities as required.

### Methods for Containment and Cleanup

- Carefully sweep or shovel spilled powder into suitable, labelled containers for disposal (see Section 13).
- Minimise dust generation; use a HEPA-equipped vacuum if available.
- After bulk removal, lightly dampen residual dust with water and collect with absorbent material.
- Clean the spill area thoroughly with water; avoid creating runoff into drains.

### Reference

- For personal protective equipment, see Section 8.
- For waste disposal methods, see Section 13.

## 7. HANDLING AND STORAGE

### Handling

- Mix and apply in a well-ventilated area to minimize dust generation.
- Avoid breathing dust; if dust levels exceed occupational exposure limits, use a P2/P3 particulate respirator.
- Wear protective gloves, eye protection and long-sleeved clothing to prevent skin and eye contact.
- Do not eat, drink or smoke while handling the product. Wash hands thoroughly after use and before breaks.
- Keep bags closed when not in use to avoid moisture uptake and dust release.

### Storage

- Store in a cool, dry, well-ventilated warehouse or storeroom.
- Keep out of direct sunlight and protect from moisture; exposure to humidity will impair performance.
- Recommended storage temperature: 5–30 °C.
- Keep away from strong acids; store separately from acid-sensitive materials (e.g., reactive metals).
- Use stock on a “first in, first out” basis to ensure freshness; avoid extended storage beyond the stated shelf life.

### Shelf life:

- 12 months from date of manufacture when stored as directed

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Parameter	Limit	Source
Inhalable dust (OEL-TWA)	10 mg/m <sup>3</sup> (total); 4 mg/m <sup>3</sup> (resp.)	OSHA PEL

- **Engineering controls:** Local exhaust or general ventilation.
- **Respiratory:** If dust > OEL, use particulate respirator (P2/P3).
- **Eyes:** Safety goggles.
- **Skin:** Nitrile or rubber gloves; protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Grey powder
Odour	Odourless
pH (slurry)	11–12 (strongly alkaline)
Bulk density	1.3–1.6 g/cm <sup>3</sup>
Water solubility	Insoluble
Particle size	< 500 µm
Flash point	Not applicable (non-combustible)

## 10. STABILITY AND REACTIVITY

### Chemical Stability

- Stable under recommended storage and handling conditions (see Section 7).

### Possibility of Hazardous Reactions

- Hazardous polymerization will not occur under normal conditions.
- No exothermic self-accelerating decomposition.

### Conditions to Avoid

- Prolonged exposure to moisture or water (may impair performance).
- Excessive heat (> 50 °C) or direct sunlight.
- Generation of dust in high concentration.

### Incompatible Materials

- Strong acids (e.g., hydrochloric, sulfuric).
- Strong oxidizing agents (e.g., peroxides, nitrates).
- Reactive metals (e.g., sodium, potassium).

### Hazardous Decomposition Products

- Under fire or extreme heat: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), and irritating smoke/fumes.
- No significant decomposition under normal use.

### Additional Information

- Refer to Section 5 for firefighting considerations.
- Ensure good housekeeping to minimize dust accumulation.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

- Oral LD<sub>50</sub> (rat): > 5,000 mg/kg (estimated) – not considered acutely toxic.
- Dermal LD<sub>50</sub> (rabbit): > 5,000 mg/kg (estimated).

### Skin corrosion/irritation

- Category 2: Causes skin irritation (alkaline pH of wet slurry).

### Serious eye damage/irritation

- Category 2A: Causes serious eye irritation; risk of corneal damage if not promptly rinsed.

### Respiratory or skin sensitization

- Not classified: No evidence of sensitization in humans or animal studies.

### Specific Target Organ Toxicity – Single Exposure (STOT-SE)

- Category 3: May cause respiratory irritation if dust is inhaled in high concentrations.

### Specific Target Organ Toxicity – Repeated Exposure (STOT-RE)

- Not classified: No known chronic target-organ effects.

### Carcinogenicity

- Not listed by IARC, NTP, OSHA, or EU Carcinogens Directive.

### Mutagenicity and Genotoxicity

- Not mutagenic in standardized in vitro assays.

### Reproductive toxicity

- Not classified: No adverse effects observed in available studies.

### Aspiration hazard

- Not relevant (solid material).

**12. ECOLOGICAL INFORMATION****Aquatic Toxicity**

- Fish (96 h LC<sub>50</sub>): > 100 mg/L (inert mineral matrix)
- Daphnia magna (48 h EC<sub>50</sub>): > 100 mg/L
- Algae (72 h ErC<sub>50</sub>): > 100 mg/L

**Persistence and Degradability**

- Inorganic, non-biodegradable cementitious components
- Polymer fraction: moderately biodegradable under aerobic conditions

**Bioaccumulative Potential**

- Log K<sub>ow</sub> < 1 for polymer dispersion; overall low potential for bioaccumulation

**Mobility in Soil**

- Insoluble solid; low mobility, likely to remain at point of deposition
- Slight leaching of soluble ions (calcium, hydroxide) possible in long-term exposure to water

**Other Adverse Effects**

- Not classified as PBT or vPvB under REACH criteria
- Alkalinity of runoff may transiently raise pH in small, contained water bodies—neutralize before discharge

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods**

- Collect and transfer to an approved landfill authorized to receive cementitious or mineral-based materials.
- Alternatively, inertize by mixing with ample water until hardened, then dispose as non-hazardous solid construction waste.
- Do **not** dispose of in drains, sewers or waterways.

**Contaminated Packaging**

- Empty bags may be offered for recycling where facilities exist.
- If recycling is not practicable, dispose of as solid non-hazardous waste.
- Ensure bags are completely emptied and free of dust before handling.

**Regulatory Considerations**

- Comply with Law No. 4/1994 and any local waste-management regulations.
- Follow any regional requirements for landfill acceptance criteria (e.g., maximum leachable pH, solids content).

**14. TRANSPORT INFORMATION**

Mode	UN Number	Proper Shipping Name	Class	Packing Group	Environmental Hazard
Road/Rail (ADR/RID)	—	Not regulated (dry, non-hazardous)	—	—	Not applicable
Sea (IMDG)	—	Not regulated (dry, non-hazardous)	—	—	Not a Marine Pollutant
Air (IATA/ICAO)	—	Not regulated (dry, non-hazardous)	—	—	Not applicable

**Special Precautions for User**

- Although not classified as dangerous for transport, handle packages to avoid damage and dust release.
- Ensure bags remain sealed and dry; avoid exposure to moisture during loading and unloading.
- Stow in a dry, well-ventilated area away from strong acids and incompatible materials.

*This product is not subject to UN Model Regulations for transport when shipped as a dry, powder formulation.*

**15. Regulatory Information**

- **GHS Labeling (Egypt & EU)**

- **Signal word:** Warning

- **Pictogram:** GHS07 (Exclamation mark)

- **Hazard statements:** H315, H319, H335

- **Precautionary statements:** P261, P264, P280, P302+P352, P305+P351+P338, P312

- **EU Regulations**

**REACH (EC 1907/2006):** All components registered or exempt.

**CLP (EC 1272/2008):** Classified as Skin Irrit. 2, Eye Irrit. 2, STOT SE 3.

**VOC Directive (2004/42/EC):** Not applicable (water-based).

- **United States**

**TSCA Inventory:** All ingredients listed.

**OSHA HCS (29 CFR 1910.1200):** Hazardous chemical.

**CERCLA/SARA:**

SARA 311/312: Immediate (acute) health hazard.

SARA 313: Not reportable ( $\leq$  de minimis levels).

- **Egyptian Regulations**

**Environmental Law No. 4/1994 & amendments:** Waste classification and disposal requirements.

**GHS Alignment:** National adoption of GHS Rev. 6 for classification and labeling.

**Label Approval:** Chemical labels must be approved by the Ministry of Industry & Trade.

- **Other International Listings**

**Canada (DSL):** All components on the Domestic Substances List.

**Australia (AICS):** All components listed.

**China (IECSC):** All components listed.

**Japan (ENCS):** All components listed

**16. OTHER INFORMATION**

**DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable