

MSDS- VOGABOND

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VOGEL SYSTEMS Safety data sheet

Date /Revised: 19.09.2022

Product: **MSDS- VOGABOND**

Version: 1.0

Date of print 20.09.2022

1. Identification

Product identifier

VOGABOND

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/UNDERTAKING**1. Product identifier**Product name **VOGABOND****2. Relevant identified uses of the substance or mixture and uses advised against**Identified uses : **WATER RESISTANT BONDING AGENT****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

Eye Irritation – Category 2A

Specific Target Organ Toxicity – Single Exposure (respiratory irritation) – Category 3

Signal word:**Warning****Pictogram:****Hazard statements (H-codes):****H315** Causes skin irritation**H319** Causes serious eye irritation**H335** May cause respiratory irritation**Precautionary statements (P-codes):****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.**P305 + P351 + P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P304 + P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing.**P312** Call a POISON CENTER or 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
Polymer-modified latex dispersion	—	15–5	Not classified
Fine quartz sand	9-86-7631	30–20	Not classified
Redispersible polymer powder	—	7–3	Not classified
Cellulosic thickener (hydroxypropyl cellulose)	0-62-9004	3–1	Not classified

4. FIRST AID MEASURES**Inhalation**

- Remove the person to fresh air and keep at rest in a comfortable position for breathing.
- If irritation (cough, throat discomfort) persists, seek medical attention.

Skin Contact

- Brush off any dry product.
- Wash skin thoroughly with plenty of water and mild soap for at least 15 minutes.
- Remove contaminated clothing and wash before reuse.
- If skin irritation or rash occurs, get medical advice.

Eye Contact

- Rinse cautiously with clean, gently flowing water for at least 15 minutes, holding the eyelids open.
- Remove contact lenses if present and easy to do, then continue rinsing.
- If eye irritation persists, seek ophthalmological evaluation.

Ingestion

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

Notes to Physician

- Treatment should be symptomatic and supportive.
- Alkalinity of cementitious materials may cause mild transient irritation; no specific antidote exists.
- Monitor for respiratory effects if significant dust inhalation occurred.

5. FIRE FIGHTING MEASURES**Suitable Extinguishing Media**

- Use media appropriate for surrounding fire, such as:
 - Water spray or fog
 - Alcohol-resistant foam
 - Dry chemical powder (ABC)
 - Carbon dioxide (CO₂)

Unsuitable Extinguishing Media

- Do **not** use direct, high-pressure water jets (may spread burning packaging).

Specific Hazards Arising from the Chemical

- The product itself is non-combustible.
- Burning of packaging may produce:
 - Carbon monoxide (CO)
 - Carbon dioxide (CO₂)
 - Oxides of nitrogen (NO_x)
 - Irritating smoke and particulates

Special Protective Equipment and Precautions for Fire-fighters

- Wear full structural fire-fighting turnout gear (helmet, coat, pants, gloves, boots).
- Use self-contained breathing apparatus (SCBA) with full facepiece.
- Cool exposed containers with water spray to prevent pressure build-up and rupture.
- Approach fire from upwind and avoid inhalation of combustion products.

Additional Information

- Collect and contain fire-fighting runoff; prevent it from entering drains or waterways.
- Dispose of contaminated extinguishing water in accordance with local environmental regulations.

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions**

- Evacuate non-essential personnel and ventilate the area.
- Avoid creating dust clouds; if dust levels are elevated, wear a P2/P3 particulate respirator.
- Wear nitrile or neoprene gloves, safety goggles, and protective clothing to prevent skin and eye contact.

Environmental Precautions

- Prevent the product from entering drains, sewers, or surface waters.
- If slurry enters waterways, notify relevant authorities.

Methods for Containment

- For dry powder spills, gently sweep or vacuum (HEPA-equipped) into labeled containers.
- For mixed slurry, contain spread using inert absorbent (e.g., sand or vermiculite) and collect into waste containers.

Methods for Cleanup

- **Dry Material:**
 - Collect into sealed drums for reuse or disposal.
- **Wet Slurry:**
 - Scoop or shovel into containers and allow to set/harden; then dispose as solid waste.
- **Residual Dust/Slurry:**
 - Wipe surfaces with damp cloths; collect cloths for disposal.
- **Final Cleaning:**
 - Rinse area with water and mild detergent, preventing washwater from entering drains; adjust rinse pH to 6–9 before discharge.

- **Reference**

See Section 8 for personal protective equipment requirements.

See Section 13 for appropriate waste disposal methods.

7. HANDLING AND STORAGE**Handling**

Mix and apply only in well-ventilated areas to minimise dust and airborne particles.

Avoid generating dust; use gentle stirring rather than vigorous agitation.

Prevent skin and eye contact—wear nitrile or neoprene gloves, long-sleeved protective clothing, and splash-resistant goggles.

Do **not** eat, drink, or smoke while handling the product. Wash hands and any exposed skin thoroughly after handling and before breaks.

Seal partially used bags immediately to prevent moisture ingress and pre-setting of the adhesive.

Use secondary containment (tray or pallet) under bulk bags or pails to catch accidental drips or spills.

Storage

Store unopened bags or containers in a cool, dry, well-ventilated area at **5–30 °C**.

Protect from moisture, freezing, and direct sunlight.

Keep away from strong acids and reactive chemicals.

Use on a first-in, first-out basis; shelf life is 12 months from date of manufacture when stored as directed.

Provide spill trays or secondary containment under storage racks to catch leaks or bag failures.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Parameter	Occupational Exposure Limit	Source
Respirable crystalline silica (quartz)	0.05 mg/m ³ (TWA)	OSHA PEL
Inhalable dust (total)	10 mg/m ³ (TWA)	OSHA PEL

- **Engineering controls:** Local exhaust ventilation
- **Respiratory:** Organic-vapour/particulate respirator if limits exceeded
- **Eye:** Splash-resistant goggles
- **Skin:** Nitrile or neoprene gloves; full protective clothing
- **Hygiene:** Wash hands before breaks and after work

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	White, milky liquid
Odour	Mild ether
pH	8.5–7.0
Boiling point	~100 °C (water component)
Flash point	> 93 °C (close cup)
Vapour pressure (20 °C)	~17 mm Hg (water)
Density	1.05–1.15 g/cm ³
Solubility	Miscible with water

10. STABILITY AND REACTIVITY**• Chemical Stability**

Stable under normal storage and use conditions (5 – 30 °C, dry, well-ventilated).

Possibility of Hazardous Reactions

No hazardous polymerization or self-accelerating reactions will occur when used as directed.

Reacts with water to form hydrated cement matrix—do not seal in airtight containers if mixed.

• Conditions to Avoid

Prolonged exposure of dry powder to moisture or humidity (may initiate setting in the bag).

Freezing temperatures (may damage polymer additives).

Excessive heat (> 50 °C) or direct sunlight.

- **Incompatible Materials**

Strong acids (e.g., hydrochloric, sulfuric) – will react vigorously with cementitious components.

Ammonium salts – can accelerate setting unpredictably.

Strong oxidizing agents (e.g., peroxides, nitrates) – may degrade polymer modifier.

- **Hazardous Decomposition Products**

Under fire conditions (burning packaging or polymer fractions):

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Oxides of nitrogen (NO_x)

Irritating smoke and particulates

Note: The cured adhesive is inert and does not decompose under normal conditions. Maintain good housekeeping to prevent accidental moisture ingress in stored powder.

11. TOXICOLOGICAL INFORMATION

- **Acute Toxicity**

Oral (rat): LD₅₀ > 5,000 mg/kg (inert mineral matrix; low toxicity)

Dermal (rabbit): LD₅₀ > 5,000 mg/kg (no significant dermal toxicity)

Inhalation (rat): LC₅₀ > 5 mg/L (4 h, respirable dust)

- **Skin Corrosion/Irritation**

Category 2: Causes skin irritation—prolonged contact with wet slurry may lead to dermatitis.

- **Serious Eye Damage/Irritation**

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

- **Respiratory or Skin Sensitization**

Not classified: No evidence of sensitization in available studies.

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

Category 3: May cause respiratory tract irritation if inhaled as dust at high concentrations.

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

Not classified: No known chronic target-organ effects at expected exposure levels.

- **Carcinogenicity**

Not classified: Contains < 1 % respirable crystalline silica; below regulatory concern. Not listed by IARC, NTP, OSHA, or EU.

- **Mutagenicity / Genotoxicity**

Not classified: Negative in standard in vitro and in vivo assays.

- **Reproductive Toxicity**

Not classified: Available data show no adverse reproductive or developmental effects.

- **Aspiration Hazard**

Not relevant: Solid material; aspiration unlikely.

Note: Prolonged or repeated skin contact with the alkaline slurry may cause irritation—use protective gloves and wash exposed skin after handling.

12. ECOLOGICAL INFORMATION

- **Aquatic Toxicity**

Fish (96 h LC₅₀): > 100 mg/L (inert mineral matrix; low toxicity)

Daphnia magna (48 h EC₅₀): > 100 mg/L

Algae (72 h ErC₅₀): > 100 mg/L

- **Persistence and Degradability**

Inorganic cementitious and mineral components are not subject to biodegradation.

Polymer modifier is slowly degradable under aerobic conditions but overall mixture considered non-biodegradable.

- **Bioaccumulative Potential**

Log K_{ow}: < 1 for polymer fraction; low potential for bioaccumulation.

Mineral components do not bioaccumulate.

- **Mobility in Soil**

Dry product insoluble; low mobility once cured.

Slurry may disperse temporarily but will precipitate and bind as pH neutralizes.

- **Other Adverse Effects**

pH effect: Alkaline runoff (pH 11–13) can transiently raise water pH—may harm aquatic life if not neutralized.

Not classified as PBT or vPvB under REACH criteria.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

- **Cured Adhesive:** Allow any applied or excess material to fully cure; then dispose as inert construction and demolition waste in accordance with local regulations.
- **Uncured Slurry:** Collect excess slurry in sealed containers and allow to set/harden; once cured, dispose as non-hazardous solid waste.
- **Dry Powder Residue:** Sweep or vacuum into sealed containers; recycle if facilities exist or dispose as non-hazardous solid waste.
- **Cleaning Rinse Water:** Collect wash-water and adjust pH to 6–9 before discharge to sewer (if permitted) or send to industrial wastewater treatment.

Contaminated Packaging

- Empty containers retain product residue.
- Triple-rinse with water; collect rinseate for pH adjustment and discharge or treatment as above.
- Offer rinsed packaging for recycling or dispose as non-hazardous solid waste.

Regulatory Considerations

- Comply with Egypt's Environmental Law No. 4/1994 and any applicable regional or local waste-management regulations.
- Retain waste-manifest documentation as required by authorities.
- Ensure off-site transport of cured or uncured material follows any applicable transport regulations (see Section 14).

14. TRANSPORT INFORMATION

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

Special Precautions for User

- Transport in original, securely closed bags or containers.
- Protect from moisture and freezing; keep dry.
- Secure packages to prevent shifting, tearing, or spillage during transit.
- Stow away from strong acids and reactive chemicals.

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15. Regulatory Information

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

Signal word: Warning**Pictogram:** GHS07 (Exclamation)**Hazard Statements:** H315, H319, H335**Precautionary Statements:** P261, P264, P280, P302+P352, P305+P351+P338, P304+P340, P312

- **European Union**

REACH (EC 1907/2006): All organic and inorganic constituents either registered or exempt.**CLP (EC 1272/2008):** Classified as Skin Irrit. 2 (H315), Eye Irrit. 2A (H319), STOT SE 3 (H335).**VOC Directive (2004/42/EC):** Not applicable (water-based formulation).

- **United States**

TSCA Inventory: All ingredients listed.**OSHA Hazard Communication Standard (29 CFR 1910.1200):** Hazardous chemical.**VOC Regulations (EPA):** Complies with national limits for water-based primers (< 100 g/L VOC).

- **Egypt**

Environmental Law No. 4/1994 & Amendments: Governs classification, labeling, and disposal of chemical products and wastes.**GHS Alignment:** National adoption of GHS Rev. 6 standards.**Label Approval:** All labels must be pre-approved by the Ministry of Industry & Trade.

- **Other Jurisdictions**

Canada (DSL/NDSL): All components listed.**Australia (AICS):** All components listed.**China (IECSC):** All components listed.**Japan (ENCS):** All components listed.

Note: Users should verify and comply with any additional, country-specific regulations and ensure that SDS and product labels are updated as regulations evolve.

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.