

MSDS-Voga Fiber

PAGE 1 / 6

VOGEL SYSTEMS Safety data sheet Date /

Revised: 19.09.2022

Product: **MSDS-Voga Fiber**

Version: 1.0

Date of print 20.09.2022

1. Identification

Product identifier

Voga Fiber

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 Fiber****2. Relevant identified uses of the substance or mixture and uses advised against**Identified uses : **polypropylene Synthetic fiber for Concrete****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:**

- Eye Irritation (Category 2A)
- Skin Irritation (Category 2)

Label Elements:**Signal Word:** Warning**Hazard Statements:**

- H315: Causes skin irritation
- H319: Causes serious eye irritation

Precautionary Statements:

- P264: Wash skin thoroughly after handling
- P280: Wear protective gloves/eye protection
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present
- P302+P352: IF ON SKIN: Wash with plenty of soap and water

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3. COMPOSITION

Component	CAS No.	% w/w	Classification
Acrylic Polymer Emulsion	Proprietary	%60–30	Non-hazardous
Ammonia (neutralizing agent)	6-21-1336	%1 >	Skin Corr. 1B; Eye Dam. 1
Titanium Dioxide (pigment)	7-67-13463	%25–10	Not classified (dust only)
Intumescent Agents (e.g. ammonium polyphosphate)	Proprietary	%20–10	Not classified

*Exact composition withheld as a trade secret.

4. FIRST AID MEASURES**Inhalation:**

- Move to fresh air. Seek medical attention if symptoms occur.

Skin Contact:

- Wash with soap and water. Seek medical advice if irritation persists.

Eye Contact:

- Rinse with water for at least 15 minutes. Remove contact lenses if applicable. Seek medical attention.

Ingestion:

- Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

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

Water spray, foam, dry chemical, CO₂

Hazards:

May produce CO, CO₂, and nitrogen oxides under combustion

Protective Equipment:

Full protective gear and self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

- **Personal Protection:** Use appropriate PPE; avoid contact with skin and eyes
- **Spill Cleanup:** Contain and collect with absorbent material. Avoid discharge into drains or environment.
- **Disposal:** Dispose of in accordance with local regulations

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7. HANDLING AND STORAGE**Handling:**

- Avoid contact with eyes and skin. Use in well-ventilated areas

Storage:

- Keep container tightly closed. Store between 5–30 °C. Protect from frost.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Substance	Exposure Limit (TWA)
Titanium Dioxide	10 mg/m ³ (inhalable, OSHA)
Ammonia	25 ppm (ACGIH TLV)

Engineering Controls:

- Ensure good general ventilation

Personal Protective Equipment (PPE):

- **Respiratory:** Not required under normal conditions
- **Skin:** Chemical-resistant gloves
- **Eyes:** Safety goggles
- **Other:** Wash hands after use

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	White to off-white monofilament fibers
Odor	Odorless
pH	Not applicable (solid polymer)
Melting Point	160–170 °C
Density	≈ 0.91 g/cm ³
Solubility	Insoluble in water, dilute acids and bases
Flash Point	> 300 °C (closed cup)
Auto-ignition Temp.	> 400 °C
Particle Size	0.5–1.5 mm length (typical fiber cut length)
Bulk Density	≈ 200–300 kg/m ³ (loose)
Moisture Content	% 0.1 >
Dusting Potential	Low (but may generate nuisance dust when handling)

VOGEL SYSTEMS Safety data sheet

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

- Stable under normal handling and storage conditions.

Conditions to Avoid:

- Avoid exposure to temperatures above 200 °C (risk of thermal degradation).
- Avoid contact with strong oxidizing agents.

Incompatible Materials:

- Strong oxidizers (e.g., nitric acid, chlorine).
- Open flames or other ignition sources.

Hazardous Decomposition Products:

- When heated above decomposition temperature or burned, may emit:
 - Carbon monoxide (CO)
 - Carbon dioxide (CO₂)
 - Low-molecular-weight hydrocarbon fragments

Hazardous Polymerization:

- Will not occur under normal conditions.

11. TOXICOLOGICAL INFORMATION**Ecotoxicity:**

- Polypropylene fibers are inert and non-toxic to aquatic and terrestrial organisms.
- No acute toxicity data; fibers are expected to remain physically inert in the environment.

Persistence and Degradability:

- Polypropylene is not biodegradable under typical environmental conditions.
- Fibers will persist in soil and water sediments without significant degradation.

Bioaccumulation Potential:

- Polypropylene has negligible bioaccumulation potential due to its high molecular weight and insolubility in water.

Mobility in Soil:

- Insoluble in water; fibers will settle into soil or sediment and are unlikely to migrate through groundwater.

Other Adverse Effects:

- Physical presence of fibers may cause nuisance litter; use appropriate disposal to prevent environmental release.

12. ECOLOGICAL INFORMATION

- **Ecotoxicity:** Not classified as environmentally hazardous
- **Persistence/Degradability:** Components are expected to be biodegradable
- **Bioaccumulation:** Not expected
- **Mobility:** Water-soluble; may enter waterways if spilled

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13. DISPOSAL CONSIDERATIONS

- Dispose of contents/container in accordance with local regulations
- Do not pour into drains or waterways

14. TRANSPORT INFORMATION**UN Number:**

- Not regulated (no UN number assigned for non-hazardous solid polymer fibers)

Proper Shipping Name:

- Not applicable

Transport Hazard Class(es):

- Not classified as dangerous goods under ADR/RID, IMDG, IATA

Packing Group:

- Not applicable

Environmental Hazards:

- No

Special Precautions for User:

- Handle in accordance with good industrial hygiene and safety practices

Avoid creating dust clouds in enclosed spaces

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:

- Not applicable

15. Regulatory Information

- **REACH / CLP (EU):** Compliant
- **OSHA HCS (USA):** Compliant
- **TSCA (USA):** All components listed
- **VOC Compliance:** Meets EU and US low-VOC regulations

16. OTHER INFORMATION

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