

MSDS-VOGAPUR-PA

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VOGEL SYSTEMS Safety data sheet

Date / Revised: 19.09.2022

Product: **MSDS-VOGAPUR-PA**

Version: 1.0

Date of print 20.09.2022

1. Identification

Product identifier

VOGAPUR-PA

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 **VOGAPUR-PA****2. Relevant identified uses of the substance or mixture and uses advised against**

Identified uses : **High Gloss, High Strength, UV Resistant,, Chemical Resistant,
Polyaspartic Aliphatic Polyurea Coating**

3. Details of the supplier of the safety data sheetSupplier

Company name : Vogel co.

E-mail address: info@vogel-systems.de**2. COMPOSITION/INFORMATION ON INGREDIENTS****GHS Classification****Skin corrosion/irritation (Category 2)****Serious eye damage/eye irritation (Category 2A)****Respiratory sensitization (Category 1)****Skin sensitization (Category 1)****Specific target organ toxicity – single exposure (Category 3, respiratory tract irritation)****Signal Word:** Danger**Hazard Statements:**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

Precautionary Statements:

P260 Do not breathe vapors or spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves, eye/face protection and respiratory 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 – continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice.

P362+P364 Take off contaminated clothing and wash before reuse

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3. COMPOSITION

Ingredient	CAS No.	Concentration (%)	Classification
Polyaspartic prepolymer (aliphatic PU)	Proprietary*	60–50	Skin Irrit. 2; STOT SE 3
Aromatic/aliphatic polyurea resin	Proprietary*	30–20	Resp. Sens. 1; Skin Sens. 1
Solvent blend (if any)	Mixture	5 >	Flam. Liq. 3; STOT SE 3
Polyamine curing agent	Proprietary*	30–20	Acute Tox. 4; Skin Corr. 1B

*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: Foam, CO₂, dry chemical, water spray.

Unsuitable Media: High-pressure water jet (may spread fire).

Specific Hazards: Gases/vapors (isocyanates, amines) may form under fire conditions.

Protective Equipment: Self-contained breathing apparatus, full protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (see Section 8). Avoid breathing vapors.

Environmental Precautions: Prevent entry into drains, surface water, or soil.

Cleanup Methods: Contain spill, soak up with inert absorbent (e.g. sand, vermiculite), place in suitable labeled waste container.

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7. HANDLING AND STORAGE

Handling:

- Use only in well-ventilated areas or under local exhaust.
- Avoid contact with skin, eyes, clothing.
- Do not eat, drink or smoke during use.

Storage:

- Keep containers tightly closed in a cool, dry, well-ventilated place.
- Temperature: 5–30 °C; protect from moisture and direct sunlight.
- Store components separately until just before use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Occupational Exposure Limits:

- No established OELs for product; use isocyanate OELs as guidance (e.g., 0.02 mg/m³ TWA).

Engineering Controls:

- Local exhaust ventilation at point of spray or mixing.

Personal Protective Equipment:

Respiratory: Half-mask with organic vapor/particulate filter (e.g. A2/P3).

Eyes: Safety goggles or face shield.

Skin: Chemical-resistant gloves (nitrile) and protective clothing.

Hygiene: Wash hands and face before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Result
Appearance	Component A: Viscous liquid (colored); Component B: Clear to pale yellow liquid
Odor	Slight amine/solvent odor
pH	Not applicable
Flash Point	> 100 °C (Pensky-Martens)
Boiling Point / Range	> 200 °C
Solubility in Water	Negligible
Specific Gravity (20 °C)	1.1–1.2 (A); 1.0–1.1 (B)
Viscosity (20 °C)	2,000–4,000 mPa·s (A); 100–300 mPa·s (B)
VOC Content	< 50 g/L

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10. STABILITY AND REACTIVITY

Reactivity: Reacts with water, amines, alcohols, acids.

Chemical Stability: Stable under recommended storage conditions.

Conditions to Avoid: Moisture, temperatures > 40 °C, ignition sources.

Incompatible Materials: Strong oxidizers, acids, bases, alcohols.

Hazardous Decomposition: Isocyanate vapors, amines, CO, CO₂.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

- Inhalation: LC₅₀ (rat) > 5 mg/L (dust/vapor)
- Oral: LD₅₀ (rat) > 2,000 mg/kg
- Dermal: LD₅₀ (rabbit) > 2,000 mg/kg

Skin Irritation: Irritating (Category 2)

Eye Damage: Causes serious eye damage (Category 1)

Respiratory/Skin Sensitization: May cause sensitization (Category 1)

Chronic Effects: Prolonged inhalation may cause asthma-like symptoms.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

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13. DISPOSAL CONSIDERATIONS

- **Waste:** Dispose of in accordance with local/regional/national regulations.
- **Packaging:** Empty containers may contain residual material; treat as hazardous waste.

14. TRANSPORT INFORMATION**UN Number:** UN 3288 (Isocyanates, liquid, n.o.s.)**UN Proper Shipping Name:** Isocyanates, liquid, n.o.s.**Transport Hazard Class:** Class 8 (Corrosive)**Packing Group:** III**Marine Pollutant:** Yes**15. Regulatory Information**

- **REACH (EU) Regulation 1907/2006:** Compliant
- **US TSCA:** All components listed
- **Local:** Complies with [Country] environmental and safety regulations.

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