

MSDS- VOGASPORT PU-SL

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VOGEL SYSTEMS Safety data sheet

Date / Revised: 19.09.2022

Product: **MSDS- VOGASPORT PU-SL**

Version: 1.0

Date of print 20.09.2022

1. Identification

Product identifier

VOGASPORT PU-SL

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:** **VOGASPORT PU-SL****2. Relevant identified uses of the substance or mixture and uses advised against****Identified uses :** **Self-Leveling Polyurethane Coating – Two-Component System****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****2.1 Classification of the substance or mixture****• Classification according to Regulation (EC) № 1272/2008 [CLP]:**

Acute toxicity, Inhalative, Category 4 (H332)

Skin irritation, Category 2 (H315)

Eye irritation, Category 2 (H319)

Sensitization of the respiratory airways, Category 1 (H334)

Sensitization of the skin, Category 1 (H317) Carcinogenicity,

Category 2 (H351)

Specific target organ toxicity (single exposure), Category 3 (H335) Specific

target organ toxicity (repeated exposure), Category 2 (H373)

• Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Harmful by inhalation.

May cause sensitization by inhalation and skin contact.

Irritating to eyes, respiratory system and skin.

Limited evidence of a carcinogenic effect.

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

• Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

• Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

Additional information: Also observe the safety data sheet of component B.

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2.2 Label elements



Danger

Hazardous components which must be listed on the label:

diphenylmethane-diisocyanate, isomers and homologues

Hazard statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335

May cause respiratory irritation.

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P280

Wear protective gloves/ eye protection/ face protection. P302 +

P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305 +

P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Supplementary hazardous characteristics and labeling elements:

EUH204 Contains isocyanates. May produce an allergic reaction.

Directive 67/548/EEC or 1999/45/EC

Labelling in accordance with Annex I of directive 67/548/EEC and its amendments and adaptations:

Xn

Harmful

Contains:

diphenylmethane-diisocyanate, isomers and homologues

Contains isocyanates. See information supplied by the manufacturer.

R-phrases

R20 Harmful by inhalation.

R36/37/38 Irritating to eyes, respiratory system and skin. R42/43

May cause sensitization by inhalation and skin contact.

R40 Limited evidence of a carcinogenic effect.

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation. S-phrase(s)

S23 Do not breathe vapour.

S24 Avoid contact with skin.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37 Wear suitable gloves.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Chemical characterization: Mixtures

• **Description:** Self-Leveling Polyurethane Coating

• **Dangerous components:**

CAS: 9016-87-9	diphenylmethane-diisocyanate, isomers and homologues	75-100%
	Xn R20-40-48/20 Xn R42/43 Xi R36/37/38 Carc. Cat. 3 Resp. Sens. 1, H334; Carc.2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335.	

• **Additional information:** For the wording of the listed risk phrases refer to section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures

- **General information:** Soiled, soaked clothing and shoes must be immediately removed, decontaminated and disposed of.
- **After inhalation:** Take the person into the fresh air and keep him warm, let him rest; if there is difficulty in breathing, medical advice is required.
- **After skin contact:** In the event of contact with the skin, preferably wash with a cleanser based on polyethylene glycol or with plenty of warm water and soap. Consult a doctor in the event of a skin reaction.
- **After eye contact:** Hold the eyes open and rinse with preferably lukewarm water for a sufficiently long period of time (at least 10 minutes). Contact an ophthalmologist.
- **After swallowing:** DO NOT induce the patient to vomit, medical advice is required.
- **Information for doctor:**
Most important symptoms and effects, both acute and delayed
Asthma attacks
Allergic reactions
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media

• **Suitable extinguishing agents:**

Carbon dioxide (CO₂), Foam, extinguishing powder, in cases of larger fires, water spray should be used. Use fire extinguishing methods suitable to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

• **5.4 Protective equipment:** Mouth respiratory protective device.

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6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders, sawdust).

6.4 Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE**7.1 Handling:****• Precautions for safe handling**

Provide sufficient air exchange and/or exhaust in work rooms. Exhaust ventilation necessary if product is sprayed. The threshold limit values noted in section 8 must be monitored.

In all areas where isocyanate aerosols and/or vapor concentrations are produced in elevated concentrations, exhaust ventilation must be provided in such a way that the workplace exposure limits (WEL) is not exceeded. The air should be drawn away from the personnel handling the product. The personal protective measures described in section 8 must be observed.

The precautions required in the handling of isocyanates must be taken. Avoid contact with skin and eyes and the inhalation of vapor.

Keep away from foodstuffs, drinks and tobacco. Wash hands before breaks and at end of work and use skin-protecting ointment. Keep working clothes separately.

Take off all contaminated clothing immediately.

• Information about fire - and explosion protection: No special measures required.

• Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

7.2 Storage:

• Requirements to be met by storerooms and receptacles: No special requirements.

• Information about storage in one common storage facility: Not required.

• Further information about storage conditions: Keep container tightly sealed.

• Specific end use(s): No further relevant information available.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Additional information about design of technical facilities: No further data; see item 7.

8.2 Control parameters

• **Ingredients with limit values that require monitoring at the workplace:**

9016-87-9 diphenylmethane-diisocyanate, isomers and homologues

WEL	Short-term value: 0,07 mg/m ³
	Long-term value: 0,02 mg/m ³
	Sen; as -NCO

8.3 Exposure controls

• **Personal protective equipment:**

• **Respiratory protection:**

Respiratory protection required in insufficiently ventilated working areas and during spraying.

An air-fed mask, or for short periods of work, a combination of charcoal filter and particulate filter is recommended.

• **Protection of hands:**

• **Material of gloves** Butyl rubber, nitrile rubber

• **Eye protection:** Safety glasses

• **Body protection:** Protective work clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

• **General Information**

• **Appearance:**

Form: Fluid

Colour: Brown

• **Odour:** Light

• **Odour threshold:** Not determined.

• **pH-value:** Not determined.

• **Change in condition**

Melting point/Melting range: Not determined.

Boiling point/Boiling range: Not determined.

• **Flash point:** >200°C

• **Flammability (solid, gaseous):** Not applicable.

• **Ignition temperature:** >400°C

• **Decomposition temperature:** Not determined.

• **Self-igniting:** Product is not selfigniting.

• **Danger of explosion:** Product does not present an explosion hazard.

• **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

9.2 Other information

No further relevant information available.

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10. STABILITY AND REACTIVITY**10.1 Reactivity****10.2 Chemical stability****10.3 Possibility of hazardous reactions**

Exothermic reaction with amines and alcohols; reacts with water forming CO₂; in closed containers, risk of bursting owing to increase of pressure.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products:

No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****• Acute toxicity:**

• Primary irritant effect:

• on the skin:

Irritant to skin and mucous membranes.

• on the eye:

Irritating effect.

• Sensitization:

Sensitization possible through inhalation. Sensitization possible through skin contact.

• Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Special properties/effects: Over-exposure entails the risk of concentration-dependent irritating effects on eyes, nose throat, and respiratory tract. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible. Hypersensitive persons may suffer from these effects even at low isocyanate concentrations, including concentrations below the UK Workplace Exposure Limit (WEL).

Prolonged contact with the skin may cause tanning and irritant effects.

12. ECOLOGICAL INFORMATION**12.1 Toxicity****• Aquatic toxicity:**

No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Behaviour in environmental systems:**• Bioaccumulative potential**

No further relevant information available.

• Mobility in soil

No further relevant information available.

12.4 Additional ecological information:**• General notes:**

Do not allow product to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment**• PBT:**

Not applicable.

• vPvB:

Not applicable.

12.6 Other adverse effects

No further relevant information available.

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13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****• Recommendation**

Do not allow product to reach sewage system.

Disposal should be in accordance with local, state or national legislation.

Mix both product components, allow to harden, then dispose of as construction waste.

13.2 Uncleaned packaging:**• Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Disposal must be made according to official regulations

14. TRANSPORT INFORMATION**• UN-Number****ADR, ADN, IMDG, IATA** Void**• UN proper shipping name****ADR, ADN, IMDG, IATA** Void**• Transport hazard class(es)****ADR, ADN, IMDG, IATA****• Class** Void**• Packing group****ADR, IMDG, IATA** Void**• Environmental hazards:****Marine pollutant:** No**• Special precautions for user** Not applicable.**• Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.**• Transport/Additional information:** Not dangerous according to the above specifications.
Avoid heating to above 40°C and cooling to below 10°C**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****• Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16. OTHER INFORMATION**

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