

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** VESTEROL GEL 280S
- **Article number:** 50173 B
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**  
Single-component, silane-based waterproofing gel for all absorbent, mineral substrates
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Heinrich Hahne GmbH & Co. KG  
Heinrich-Hahne-Weg 11  
45711 Datteln Tel.: 02363/5663-0
- **Further information obtainable from:**  
Abteilung: Produktsicherheit  
Tel.: 02363 5663-0  
EMail: info@hahne-bautenschutz.de
- **Emergency telephone number:**  
Gif tinformat ionszentrum Nord (GIZ Nord) Universität Göttingen,  
Tel.: 0551-19240





### 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
- **Information concerning particular hazards for human and environment:**  
Safety data sheet available on request.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**
- **Special labelling of certain preparations:** Safety data sheet available on request.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Preparation based on alkoxy silane, siloxane and water.

- **Dangerous components:**

CAS: 2943-75-1 EINECS: 220-941-2	triethoxyoctylsilane  Xi R36/38 	< 15%
CAS: 64742-88-7 EINECS: 265-191-7	Solvent naphtha (petroleum), medium aliph.  Xn R65 R10 	25-50%

(Contd. on page 2)

**Trade name: VESTEROL GEL 280S**

(Contd. of page 1)

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

#### 4 First aid measures

- **Description of first aid measures**
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

#### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
Carbon dioxide, foam, dry powder or water. Fire exposed containers may be cooled with water spray.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**  
Wear of A self-contained breathing apparatus and protective clothing. Containers with water spray, even after the fire is out. Evacuate or isolate the area and lay down. The local emergency plan should be noted.

#### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear proper protective equipment.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **Reference to other sections**  
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

- **Handling:**
- **Precautions for safe handling**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Keep cool and dry.  
Keep away from heat and direct sunlight.  
Protect from frost.
- **Information about storage in one common storage facility:** Do not store together with oxidizing agents.

(Contd. on page 3)

**Trade name: VESTEROL GEL 28OS**

(Contd. of page 2)

- **Further information about storage conditions:** *Keep container tightly sealed.*
- **Specific end use(s)** *No further relevant information available.*

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** *No further data; see item 7.*
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
- **Additional information:** *The lists valid during the making were used as basis.*
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
*Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.*
- **Protection of hands:**  
*Protective gloves  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.*
- **Material of gloves**  
*The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.*
- **Penetration time of glove material**  
*The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.*
- **Eye protection:** *Tightly sealed goggles*

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

<b>Form:</b>	viscous liquid
<b>Colour:</b>	white
- **Odour:** *weak, characteristic*
- **Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	> 100°C
- **Flash point:** *75°C*
- **Ignition temperature:** *375°C*
- **Self-igniting:** *Product is not selfigniting.*
- **Danger of explosion:** *Vapors may form an explosive mixture with air.*
- **Explosion limits:**

<b>Lower:</b>	0.6 Vol %
<b>Upper:</b>	7.0 Vol %
- **Vapour pressure:** *Not determined.*

(Contd. on page 4)

**Trade name: VESTEROL GEL 280S**

(Contd. of page 3)

- |  |  |
|--|--|
| · <b>Density at 20°C:</b>                        | 0.85 g/cm <sup>3</sup>                     |
| · <b>Solubility in / Miscibility with water:</b> | Not miscible or difficult to mix.          |
| · <b>Viscosity:</b>                              |  |
| <b>Dynamic at 25°C:</b>                          | > 5000 mPas                                |
| · <b>Other information</b>                       | No further relevant information available. |

### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Degreasing to skin effect, repeated exposure may cause skin dryness or cracking.
- **on the eye:** causes mild irritation.
- **Sensitization:** No sensitizing effects known.

### 12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 5)

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Trade name: VESTEROL GEL 280S

(Contd. of page 4)

· **European waste catalogue**

08 04 09\* | waste adhesives and sealants containing organic solvents or other dangerous substances

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |  |   |
|--|---|
| · <b>UN-Number</b>   | -   |
| · <b>UN proper shipping name</b>   | -   |
| · <b>Transport hazard class(es)</b>  | -   |
| · <b>Packing group</b>   | -   |
| · <b>Special precautions for user</b>  | Not applicable.                           |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                           |
| · <b>Transport/Additional information:</b>                                       | Not hazardous under transport regulations |

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Technical instructions (air):**

Class	Share in %
NK	50.0
- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Other regulations, limitations and prohibitive regulations**
- **VOC (EU) 500.0 g/l**
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
  - H226 Flammable liquid and vapour.
  - H304 May be fatal if swallowed and enters airways.
  - H315 Causes skin irritation.
  - H319 Causes serious eye irritation.
- **Other phrases**
  - R10 Flammable.
  - R36/38 Irritating to eyes and skin.
  - R65 Harmful: may cause lung damage if swallowed.
- **Abbreviations and acronyms:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - GHS: Globally Harmonized System of Classification and Labelling of Chemicals