

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.04.2023

Version number 4 (replaces version 3)

Revision: 10.04.2023

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

- **Product identifier**
- **Trade name: Temflex HT**
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Silicate sealing
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Temati  
Rijnland 2  
1948 RL Beverwijk  
Tel: +31- 251 - 229 172
- **Only representative (REACH) and importer (CLP):**  
Temati  
Rijnland 2  
1948 RL Beverwijk  
Tel +31- 251 - 229 172
- **Further information obtainable from:** Product safety department
- **Department issuing MSDS:** temati@temati.com
- **Emergency telephone number:**  
+49-700-24 112 112 (KAR)  
  
+1 872 5888271

#### SECTION 2: Hazards identification

- **Classification of the substance or mixture**  
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**  
Safety data sheet available on request.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

#### SECTION 3: Composition/information on ingredients

- **Mixtures**
- **Description:**  
Adhesive  
Silicate sealing

##### - Dangerous components:

CAS: 37859-55-5 ELINCS: 484-460-1	2-Pentanone, O,O',O''-(methylsilylydine)trioxime Acute Tox. 4, H302; Eye Irrit. 2, H319	> 1 - ≤ 5%
CAS: 623-40-5 ELINCS: 484-470-6	2-Pentanone oxime Acute Tox. 4, H302; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	> 1 - < 2.5%

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CAS: 58190-62-8 EC number: 700-810-0	2-Pentanone,O,O',O''-(ethenylsilyldiyl)trioxime Acute Tox. 4, H302; Eye Irrit. 2, H319	≥ 0 - ≤ 5%
CAS: 68928-76-7 EINECS: 273-028-6	Dimethylbis[(1-oxoneodecyl)oxy]stannane Repr. 2, H361d; STOT RE 1, H372; Acute Tox. 4, H302; Aquatic Chronic 4, H413	≤ 1%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **Description of first aid measures**
- **General information:** Remove any clothing soiled by the product.
- **After inhalation:**  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** After contact with skin, wash with plenty of water.
- **After eye contact:**  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
If swallowed, do not induce vomiting; seek medical advice and show this container or label.
- **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.

### SECTION 5: Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**  
Wear self-contained respiratory protective device.  
Do not inhale explosion gases or combustion gases.
- **Additional information**  
Cool endangered receptacles with water spray.  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 10 for information on "stability and reactivity".  
See Section 13 for disposal information.

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### SECTION 7: Handling and storage

**- Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

**- Information about fire - and explosion protection:**

No special precautions are necessary if used and stored according to specifications.

**- Conditions for safe storage, including any incompatibilities**

**- Storage:**

**- Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.

**- Information about storage in one common storage facility:** Not required.

**- Further information about storage conditions:**

Protect from frost.

Protect from heat and direct sunlight.

**- Maximum storage temperature:** 30 °C

**- Minimum storage temperature:** 5 °C

**- Storage class (TRGS 510, Storage of hazardous substances in non-stationary containers):** 10-13

**- Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

**- Control parameters**

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

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**- Additional information:** The lists valid during the making were used as basis.

**- Exposure controls**

**- Appropriate engineering controls** No further data; see section 7.

**- Individual protection measures, such as personal protective equipment**

**- General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

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.

Do not inhale gases / fumes / aerosols.

**- Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

**- Hand protection**

Protective gloves (EN 374)

Check protective gloves prior to each use for their proper condition.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**- Material of gloves**

Find below a list of appropriate protective gloves for chemical surrounding:

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Permeation time / penetration time: = 480 minutes (DIN EN 374):

Naturlatex I , Nr. 0395 oder 0403

Naturlatex II , Nr. 0706 oder 0708

Chloropren Nitril II, Nr. 0717

Chloropren, Nr. 0720, 0722, 0723, 0725 oder 0726

Nitril I, Nr. 0730, 0732, 0733, 0736, 0737, 0738, 0739 oder 0836

Nitril II, Nr. 0740, 0741, 0742 oder 0759

Nitril III, Nr. 0743

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Nitril VI, Nr. 0754

Nitril V, Nr. 0764

Viton, Nr. 0890

Butyl II, Nr. 0897

Butyl, Nr. 0898

of KCL company (e-mail: [vertrieb@kcl.de](mailto:vertrieb@kcl.de)).

The recommendation is based exclusively on the chemical compatibility and the test according to EN374 under laboratory conditions.

Requirements can vary according to the use. Therefore, please always take into account the glove supplier's recommendations.

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**

Permeation time / penetration time: see above (material of gloves)

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**- Eye/face protection** Goggles recommended during refilling

### SECTION 9: Physical and chemical properties

**- Information on basic physical and chemical properties**

**- General Information**

<b>- Colour:</b>	Black
<b>- Odour:</b>	Characteristic
<b>- Odour threshold:</b>	Not determined.
<b>- Melting point/freezing point:</b>	Undetermined.
<b>- Boiling point or initial boiling point and boiling range</b>	Undetermined.
<b>- Flammability</b>	Not applicable.
<b>- Lower and upper explosion limit</b>	
<b>- Lower:</b>	Not determined.
<b>- Upper:</b>	Not determined.
<b>- Flash point:</b>	Not applicable.
<b>- Decomposition temperature:</b>	Not determined.
<b>- pH</b>	Not determined.
<b>- Viscosity:</b>	
<b>- Kinematic viscosity</b>	Not determined.
<b>- Kinematic viscosity</b>	
<b>- Dynamic:</b>	Not determined.
<b>- Solubility</b>	
<b>- water:</b>	Hydrolised.
<b>- Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>- Vapour pressure:</b>	Not determined.
<b>- Vapour pressure:</b>	
<b>- Density and/or relative density</b>	
<b>- Density at 20 °C:</b>	1.25 g/cm <sup>3</sup>
<b>- Relative density</b>	Not determined.
<b>- Vapour density</b>	Not determined.

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- **Other information**
- **Appearance:**
- **Form:** Pasty
- **Important information on protection of health and environment, and on safety.**
- **Ignition temperature:** Product is not self-igniting.
- **Explosive properties:** Product does not present an explosion hazard.
- **Change in condition**
- **Softening point/range**
- **Oxidising properties** Not determined.
- **Evaporation rate** Not determined.

- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

### SECTION 10: Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.  
Protect from heat and direct sunlight.
- **Possibility of hazardous reactions** No dangerous reactions if used and stored according to specifications.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**  
No dangerous products of decomposition if used and stored according to specifications.

### SECTION 11: Toxicological information

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### - LD/LC50 values relevant for classification:

**37859-55-5 2-Pentanone, O,O',O''-(methylsilyldiyl)trioxime**

Oral	LD50	1,234 mg/kg (Rat, male/female)
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**623-40-5 2-Pentanone oxime**

Oral	LD50	1,133 mg/kg (Rat, male/female)
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**68928-76-7 Dimethylbis[(1-oxoneodecyl)oxy]stannane**

Oral LD50 894 mg/kg (Rat, male/female) (OECD 401)

Dermal LD50 &gt; 2,000 mg/kg (Rat, male/female) (OECD 402)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

**- Additional toxicological information:**

No experimentally found toxicological data are available for this preparation.

**- Information on other hazards****- Endocrine disrupting properties**

None of the ingredients is listed.

**SECTION 12: Ecological information**

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **Other adverse effects** No further relevant information available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Danger to drinking water if even small quantities leak into the ground.  
Do not allow product to reach ground water, water course or undiluted sewage system.

**SECTION 13: Disposal considerations**

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

**SECTION 14: Transport information**

- UN number or ID number

- ADR, IMDG, IATA

Void

- UN proper shipping name

- ADR, IMDG, IATA

Void

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- <b>Transport hazard class(es)</b>	
- <b>ADR, ADN, IMDG, IATA</b>	
- <b>Class</b>	Void
- <b>Packing group</b>	
- <b>ADR, IMDG, IATA</b>	Void
- <b>Environmental hazards:</b>	Not applicable.
- <b>Special precautions for user</b>	Not applicable.
- <b>Maritime transport in bulk according to IMO instruments</b>	Not applicable.
- <b>UN "Model Regulation":</b>	Void

### SECTION 15: Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **National regulations:**
- **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 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**
  - H302 Harmful if swallowed.
  - H319 Causes serious eye irritation.
  - H361d Suspected of damaging the unborn child.
  - H372 Causes damage to organs through prolonged or repeated exposure.
  - H412 Harmful to aquatic life with long lasting effects.
  - H413 May cause long lasting harmful effects to aquatic life.
- **Phrasen übersetzen**
- **Abbreviations and acronyms:**
  - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Acute Tox. 4: Acute toxicity – Category 4
  - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  - Repr. 2: Reproductive toxicity – Category 2
  - STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
  - Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
  - Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4
- **\* Data compared to the previous version altered.**

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