**Safety data sheet**
**according to UK REACH**

KREISEL

Printing date 04.04.2026 Version number: RO/ 7 (replaces version 6) Revision: 04.04.2026

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

### 1.1 Product identifier

**Trade name:**

***SILIKON NANOTECH 720***

Silicone sealing grout

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Life cycle stages**
C/PW Consumer use / Widespread use by professional workers

**Sector of Use**
SU19 Building and construction work

**Product category**
PC1 Adhesives, sealants

**Process category**
PROC19 Manual activities involving hand contact

**Environmental release category**
ERC10a / ERC11a Widespread use of articles with low release

**Article category**
AC0 Other

**Application of the substance / the preparation**
Sealing - Product for an industrial, technical and private use for coating building surfaces. For all other uses is advised against/ not recommended..

### 1.3 Details of the supplier of the safety data sheet

**Manufacturer/Supplier:**

KREISEL Slovensko s.r.o.
Železničná 932
900 55 Lozorno
Slovakia

Tel.: +421 (0)2 6010 2411
Fax: +421 (0)2 6596 8221
odbyt@kreisel.sk
kreisel.sk

**Further information obtainable from:**
Product safety department (on working days 8:00 - 16:00)

### 1.4 Emergency telephone number

National poisons information centre: +44/(0)171 - 635 9191
National Health Service: 111
European emergency call: 112



(Contd. on page 2)

**Safety data sheet**
**according to UK REACH**

KREISEL

Printing date 04.04.2026 Version number: RO/ 7 (replaces version 6) Revision: 04.04.2026

***SILIKON NANOTECH 720***

(Contd. of page 1)

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.

**Hazard pictograms**

GHS05

**Signal word**
Danger

**Hazard-determining components of labelling:**
Triacetoxyethylsilane

**Hazard statements**
H315 Causes skin irritation.
H318 Causes serious eye damage.

**Precautionary statements**

| | |
|---|---|
| P102 | Keep out of reach of children. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P264 | Wash hands thoroughly after handling. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310 | Immediately call a POISON CENTER/doctor. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |
| P501 | Dispose of contents/container in keeping with local and national regulations. |

**Additional information:**
Contains the following biocidal active ingredients to protect the product. Please note the information in the safety data sheet and the legal regulations: ZINC PYRITHIONE

### 2.3 Other hazards

This product contains organic solvents. Avoid inhalation, skin contact, ingestion. In use, may form flammable / explosive vapour-air mixture. Repeated exposure may cause skin dryness or cracking. Product hydrolysed with formation of acetic acid (CAS 64-19-7). Contact with water releases irritant gases.

**Results of PBT and vPvB assessment**

**PBT:**
This substance/mixture contains no components classified as persistent, bioaccumulative and toxic (PBT) at levels of 0.1% or higher.

(Contd. on page 3)

**Safety data sheet**
**according to UK REACH**

KREISEL

Printing date 04.04.2026 Version number: RO/ 7 (replaces version 6) Revision: 04.04.2026

***SILIKON NANOTECH 720***

(Contd. of page 2)

**vPvB:**
This substance/mixture contains no components classified as very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Determination of endocrine-disrupting properties**
This substance/mixture does not contain components with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentrations of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

**3.1 Chemical characterization: Substances**
This product is a mixture.

**3.2 Mixtures**

**Description:**
Mixture of substances listed below with nonhazardous additions

| **Dangerous components:** | | |
|---|---|---|
| EC number: 919-029-3<br>REACH: 01-2119457735-29 | Hydrocarbons, C16-C20,n-alkanes, iso-alkanes, cyclics, <2% aromatics<br>Asp. Tox. 1, H304, EUH066 | 20 - < 24% |
| CAS: 17689-77-9<br>EINECS: 241-677-4<br>REACH: 01-2119881778-15 | Triacetoxyethylsilane<br>Skin Corr. 1B, H314; Eye Dam. 1, H318;<br>Acute Tox. 4, H302, EUH014 | 3 - < 5% |
| CAS: 13463-41-7<br>EINECS: 236-671-3<br>Index number:... 613-333-00-7<br>REACH: 01-2119511196-46 | Pyrithione zinc<br>Acute Tox. 3, H301; Acute Tox. 2, H330; Repr. 1B, H360D; STOT RE 1, H372; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=1000); Aquatic Chronic 1, H410 (M=10)<br>ATE: $LD_{50}$ oral: 221 mg/kg | 0.00245 - < 0.1% |

| **Other components (>20%):** | | |
|---|---|---|
| Polymer<br>REACH: [1] | Silicone polymer | 50 - < 100% |

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

[1] Not subject to registration in accordance with EC 1907/2006 Annex V (point 7) or Article 2.

## SECTION 4: First aid measures

**4.1 Description of first aid measures**

First aid

**General information:**
Seek medical treatment in case of complaints. In case of unconsciousness give nothing by mouth, place in unconscious position. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident. For first responder no special personal protective equipment is required. First responder should avoid contact with the product.

(Contd. on page 4)

(Contd. of page 3)

**After inhalation:**
Take affected persons into fresh air and keep quiet. Seek medical treatment in case of complaints. In case of irregular breathing or respiratory arrest provide artificial respiration. In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**
Immediately remove all soiled and contaminated clothing. Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent. Do not use solvents and thinners. Avoid sunlight and UV light (sensitisation). If skin irritation continues, consult a doctor.

**After eye contact:**
Do not rub eyes because additional damage to eyes can be caused by mechanical stress. If necessary, remove contact lenses and flush the eye immediately while holding eyelids open to water for at least 20 minutes. If possible, isotonic eyewash solution (e. g. 0,9% NaCl). Always consult an occupational physician or ophthalmologist.

**After swallowing:**
Do not induce vomiting. If conscious rinse mouth with water and drink plenty of water. Consult a physician or poison control center.

**4.2 Most important symptoms and effects, both acute and delayed**
Symptoms and effects are described in section 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed**
If a physician is to be consulted, as per possibillity he should be presented this safety data sheet.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**For safety reasons unsuitable extinguishing agents:**
Water with full jet

**5.2 Special hazards arising from the substance or mixture**
Dense black smoke occurs during fire. Inhaling hazardous decomposition products can cause serious health damage.

**5.3 Advice for firefighters**
Wear protective equipment. Keep unprotected persons away.

**Protective equipment:**
Use adequate breathing protection and inherent protection clothes in dependance on extent of fire.

**Additional information:**
Cool endangered receptacles with water spray. Collect contaminated fire fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation. Keep away from ignition sources. Avoid inhalation, eye and skin contact. Keep people at a distance and stay on the windward side. If appropriate, reference must be made to exposure controls and personal protection (see section 8).

(Contd. on page 5)

**Safety data sheet**
**according to UK REACH**

KREISEL

Printing date 04.04.2026 Version number: RO/ 7 (replaces version 6) Revision: 04.04.2026

***SILIKON NANOTECH 720***

(Contd. of page 4)

**6.2 Environmental precautions**
Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

**6.3 Methods and material for containment and cleaning up**
This material hardens automatically when exposed to air. Allow to solidify and pick up mechanically. Dispose of the material collected according to regulations.

**6.4 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.

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## *SECTION 7: Handling and storage*

**7.1 Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace. Avoid contact with the eyes and skin. Wear protective clothing. Washing facilities / Water for cleaning yes and skin should be available. Persons, who tend to skin diseases or other hypersensitivity reactions of the skin, should not handle the product. Do not eat, drink, smoke or sniff while working.

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

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

**Requirements to be met by storerooms and receptacles:**
Keep out of reach of children. Store product in ventilated conditions in well sealed original receptacles. Provide floor trough without outlet.

**Information about storage in one common storage facility:**
Store away from oxidising agents.
Keep away from foodstuffs, beverages and feed.

**Further information about storage conditions:**
Protect from frost. Protect from heat and direct sunlight.

**Miniumum storage life:**
Minimum storage life (+5°C up to 25°C): See indication on package.

**Storage class:** 10
**Classification according to the German Industrial Safety and Health Ordinance (BetrSichV):** -

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

## *SECTION 8: Exposure controls/personal protection*

**8.1 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.

| **DNELs** | | |
|---|---|---|
| **17689-77-9 Triacetoxyethylsilane** | | |
| Inhalative | Systemic - Long term exposure | 6.5 mg/m³ (Consumer) |
| | | 32.5 mg/m³ (Employee) |
| | Systemic - Short term exposure | 65 mg/m³ (Consumer) |

(Contd. on page 6)

**Safety data sheet**
**according to UK REACH**

KREISEL

Printing date 04.04.2026 Version number: RO/ 7 (replaces version 6) Revision: 04.04.2026

***SILIKON NANOTECH 720***

(Contd. of page 5)

| | | |
|---|---|---|
| | | 32.5 mg/m³ (Employee) |
| | Local - Long term exposure | 6.5 mg/m³ (Consumer) |
| | | 32.5 mg/m³ (Employee) |
| | Local - Short term exposure | 32.5 mg/m³ (Employee) |

| **PNECs** | |
|---|---|
| **17689-77-9 Triacetoxyethylsilane** | |
| Freshwater | 0.2 mg/l (not specified) |
| Marine water | 0.02 mg/l (not specified) |
| Soil | > 0.031 mg/kg (not specified) |
| Sediments (Freshwater) | 0.74 mg/kg (not specified) |
| Sediments (Marine water) | 0.074 mg/kg (not specified) |
| Sewage plant | 1 mg/l (not specified) |
| **13463-41-7 Pyrithione zinc** | |
| Freshwater | 0.0009 mg/l (not specified) |
| Marine water | 0.0009 mg/l (not specified) |
| Soil | 1.02 mg/kg (not specified) |
| Sediments (Freshwater) | 0.0009 mg/kg (not specified) |
| Sediments (Marine water) | 0.0009 mg/kg (not specified) |
| Sewage plant | 0.01 mg/l (not specified) |

**Ingredients with biological limit values:**
Void

| **Additional Occupational Exposure Limit Values for possible hazards during processing:** | |
|---|---|
| **64-19-7 Acetic acid** | |
| WEL (Great Britain) | Short-term value: 50 mg/m³, 20 ppm<br>Long-term value: 25 mg/m³, 10 ppm |
| IOELV (EU) | Short-term value: 50 mg/m³, 20 ppm<br>Long-term value: 25 mg/m³, 10 ppm |

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

**8.2 Exposure controls**

**8.2.1. Information about design of technical facilities**
Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the solvent vapour concentration below the workplace limit, wear an adequate respiratory protective device.

**8.2.2. Individual protection measures, such as personal protective equipment**

**General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed. Remove contaminated clothing immediately and thoroughly clean it before using it again. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Do not eat, drink, smoke or sniff while working. Use skin protection cream for skin protection. Ensure that washing facilities are available at the work place.

(Contd. on page 7)

(Contd. of page 6)

**Respiratory protection:**

This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (Type A1 according to standard EN 14387) is used.

**Hand protection:**

Hand protection: Chemical resistant protective gloves according EN ISO 374

The glove material has to be impermeable and resistant to the product. Due to missing tests no recommendation to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Check protective gloves prior to each use for their proper condition. Preventive skin protection by use of skin-protecting agents is recommended. To avoid skin problems reduce the wearing of gloves to the required minimum.

**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.

**For the permanent contact gloves made of the following materials are suitable:**
Polychloroprene (material thickness ≥ 0.5 mm ; breakthrough time ≥ 480 min.)
Nitrile rubber (material thickness ≥ 0.35 mm ; breakthrough time ≥ 480 min.)
Butyl rubber (material thickness ≥ 0.5 mm ; breakthrough time ≥ 480 min.)
Fluororubber (material thickness ≥ 0.4 mm ; breakthrough time ≥ 480 min.)
Neoprene (material thickness ≥ 0.5 mm ; breakthrough time ≥ 480 min.)

**Not suitable are gloves made of the following materials:**
Non-liquid-tight gloves made of fabric, leather or similar materials.

**Eye/face protection:**

In case of splash risk use tightly fitting safety goggles according to EN 166.

**Risk management measures:**
An operator training/guidance in the correct use of personal protective equipment is necessary to ensure the required level of effectiveness.

**8.2.3. Environmental exposure controls**
Avoid release in the environment. Use the surplus or dispose it of properly.
Inform respective authorities in case of seepage into water course or sewage system.



(Contd. on page 8)

**Safety data sheet**
**according to UK REACH**

KREISEL

Printing date 04.04.2026 Version number: RO/ 7 (replaces version 6) Revision: 04.04.2026

**SILIKON NANOTECH 720**

(Contd. of page 7)

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **General Information** | |
| **Physical state** | Liquid |
| **Appearance:** | |
| **Form:** | Pasty |
| **Colour:** | According to product specification |
| **Odour:** | Pungent |
| **Odour threshold:** | Not safety relevant |
| **pH** | Saturated aqueous solution<br>Mixture is non-soluble (in water). |
| **Change in condition** | |
| **Melting point/freezing point:** | Undetermined |
| **Boiling point or initial boiling point and boiling range** | Undetermined |
| **Flammability** | |
| **Flash point:** | > 60 °C (> 140 °F) (DIN 53171) |
| **Oxidising properties:** | None |
| **Explosive properties:** | Not determined |
| **Ignition temperature:** | Product is not selfigniting. |
| **Vapour pressure at 50 °C (122 °F):** | 0.5 hPa (0.4 mm Hg) |
| **Density and/or relative density** | |
| **Density at 20 °C (68 °F):** | 0.94 - 1 g/cm³ (7.84 - 8.35 lbs/gal) |
| **Particle size** | |
| **Viscosity:** | |
| **Kinematic viscosity at 40 °C (104 °F)** | > 20.5 mm²/s |
| **Solubility** | |
| **Water:** | Not miscible or difficult to mix |
| **Partition coefficient n-octanol/water (log value)** | Not determined |
| **Solvent content:** | |
| **Organic solvents:** | 20.1 - < 24.3 % |

### 9.2 Other information

| | |
|---|---|
| **Information with regard to physical hazard classes** | |
| **Explosive substances / mixtures and articles containing 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 |

(Contd. on page 9)

(Contd. of page 8)

| | |
|---|---|
| **Corrosive to metals** | Void |
| **Desensitised explosives** | Void |

## SECTION 10: Stability and reactivity

**10.1 Reactivity**
No dangerous reactions known (see 10.5).
No further relevant information available.

**10.2 Chemical stability:**
Stable at environment temperature.

**Thermal decomposition / conditions to be avoided:**
Formation of toxic gases is possible during heating or in case of fire.

**10.3 Possibility of hazardous reactions**
Exothermic polymerisation.
Reacts with alcohols, amines, aqueous acids and alkalis.
Through active effect of acids and through slow hydrolyses in aqueous solution, formation of acetic acids (CAS 64-19-7). These irritate skin and mucosa.

**10.4 Conditions to avoid**
Keep away from heat and direct sunlight.

**10.5 Incompatible materials**
No further relevant information available.

**10.6 Hazardous decomposition products**
Formation of toxic gases is possible during heating or in case of fire.

**Additional information:**
No further relevant information available.

## SECTION 11: Toxicological information

**11.1 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:** | | |
|---|---|---|
| **ATE (Acute Toxicity Estimates)** | | |
| Oral | $LD_{50}$ | > 29,200 - 48,667 mg/kg (Rat) |

| **Hydrocarbons, C16-C20,n-alkanes, iso-alkanes, cyclics, <2% aromatics** | | |
|---|---|---|
| Oral | $LD_{50}$ | 5,100 mg/kg (Rat) |
| Dermal | $LD_{50}$ | > 2,000 mg/kg (Rabbit) |
| Inhalative | $LC_{50}$ (4h) | 5,266 mg/l (Rat) |
| **17689-77-9 Triacetoxyethylsilane** | | |
| Oral | $LD_{50}$ | 1,460 mg/kg (Rat) (OECD 401) |
| Dermal | $LD_{50}$ | > 2,000 mg/kg (Rabbit) |
| Inhalative | $LC_{50}$ (4h) | > 20 mg/l (Rat) |
| **13463-41-7 Pyrithione zinc** | | |
| Oral | $LD_{50}$ | 221 mg/kg (ATE) |

(Contd. on page 10)

(Contd. of page 9)

| | | |
|---|---|---|
| | | 269 mg/kg (Rat) (OECD 401) |
| | Carcinogenicity | 0.5 (Rat) (NOAEL mg/kg bw/day) |
| Dermal | $LD_{50}$ | > 2,000 mg/kg (Rat) (EPA OPP 81-2) |
| Inhalative | $LC_{50}$ (4h) | 0.05 mg/l (ATE) |
| | $LC_{50}$ (4h) | 1.03 mg/l (Rat) (OECD 403) |

| **Other information (about experimental toxicology):** | | |
|---|---|---|
| **13463-41-7 Pyrithione zinc** | | |
| Irritation of skin | OECD 404 | (Rabbit)<br>not irritating |
| Irritation of eyes | OECD 405 | (Rabbit)<br>Category 1 (irreversible effects on the eye) |
| Sensitisation | OECD 406 | (Guinea pig)<br>not sensitizing |

**Primary irritant effect:**

**On the skin:**
Causes skin irritation.

**On the eye:**
Causes serious eye damage.

**Sensitization:**
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.

**Specific target organ toxicity - single exposure (STOT SE):**
Based on available data, the classification criteria are not met.

**Specific target organ toxicity - repeated exposure (STOT RE):**
Based on available data, the classification criteria are not met.

**Aspiration hazard:**
Based on available data, the classification criteria are not met.

**Practical experience**
No further relevant information available.

**General comments**
No further relevant information available.

**Subacute to chronic toxicity:**

Long term and repeated contact with the mixture can remove the natural fatty film of skin and may cause non-allergical contact dermatitis and penetrating of epidermic.

**11.2 Information on other hazards**

| **Endocrine disrupting properties** |
|---|
| None of the ingredients is listed. |



(Contd. on page 11)

(Contd. of page 10)

## SECTION 12: Ecological information

### 12.1 Toxicity

| **Aquatic toxicity:** | |
|---|---|
| **17689-77-9 Triacetoxyethylsilane** | |
| $LC_{50}$ (96h) | 251 mg/l (Fish - danio rerio) |
| $EC_{50}$ (48h) | 168 mg/l (Water flea - daphnia magna) |
| $IC_{50}$ (72h) | 73 mg/l (Algae - pseudokirchneriella subcapitata) |
| **13463-41-7 Pyrithione zinc** | |
| $LC_{50}$ (96h) | 0.0104 mg/l (Fish - danio rerio) (OECD 203)<br>S 3026 |
| | 0.06 mg/l (Fish - oncorhynchus mykiss) |
| $EC_{50}$ (48h) | 0.05 mg/l (Water flea - daphnia magna) |
| | 0.05 mg/l (Water flea - daphnia) (OECD 202)<br>S 3024 |
| $EC_{50}$ (72h) | 0.051 mg/l (Algae - pseudokirchneriella subcapitata) (OECD 201) |
| $IC_{50}$ (72h) | 0.067 mg/l (Algae - selenastrum capricornutum) |
| NOEC (72h) | 0.0149 mg/l (Algae - pseudokirchneriella subcapitata) (OECD 201) |
| NOEC (21d) | 0.0022 mg/l (Water flea - daphnia magna) (OECD 211) |
| NOEC (96h) | 0.00046 mg/l (Algae - skeletonema costatum) (OECD 201) |
| NOEC (28d) | 0.00125 mg/l (Fish - danio rerio) (OECD 215) |

### 12.2 Persistence and degradability
A part of the components is biodegradable.

| **Degree of elimination:** | |
|---|---|
| **17689-77-9 Triacetoxyethylsilane** | |
| Biodegradation | 74 % (not specified) (OECD 301 A) |
| **13463-41-7 Pyrithione zinc** | |
| OECD 308 | 0.5 d (Sediments) (OECD 308) |

| **12.3 Bioaccumulative potential** | |
|---|---|
| **17689-77-9 Triacetoxyethylsilane** | |
| Log Kow | 0.74 (not specified) |

### 12.4 Mobility in soil
No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

**PBT:**
This substance/mixture contains no components classified as persistent, bioaccumulative and toxic (PBT) at levels of 0.1% or higher.

**vPvB:**
This substance/mixture contains no components classified as very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Endocrine disrupting properties
This substance/mixture does not contain components with endocrine disrupting properties according to the criteria of Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 in concentrations of 0.1% or higher.

(Contd. on page 12)

(Contd. of page 11)

### 12.7 Other adverse effects

**Literature**
No further relevant information available.

**Ecotoxical effects:**
No further relevant information available.

| **Behaviour in sewage processing plants:** | |
|---|---|
| **13463-41-7 Pyrithione zinc** | |
| $EC_{20}$ (3h) | 1.34 mg/l (Activated sludge organisms) (OECD 209) |
| $EC_{50}$ (3h) | 2.8 mg/l (Activated sludge organisms) (OECD 209) |

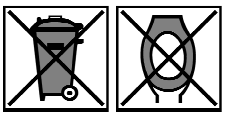
**Additional ecological information:**

**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.

## *SECTION 13: Disposal considerations*

### 13.1 Waste treatment methods

**Recommendation:**



Must not be disposed together with household garbage. Hand over to hazardous waste disposers.

Risk of environmental pollution. Follow the applicable regulations on waste disposal. Keep unused products and contaminated packaging sealed. Provide containers for waste collection. Hand over for disposal to a specialist company authorised to carry out such activities. Prevent the product from being released into the environment. Do not allow the product to enter the sewage system. Must not be disposed of with municipal waste. Empty containers can be utilised for energy recovery in a waste incineration plant or, if classified accordingly, collected at a landfill site. Perfectly cleaned packaging can be recycled.

Dispose of contents/container in accordance with local/regional/national/international regulations.

| **European waste catalogue** | |
|---|---|
| 08 04 09* | Waste adhesives and sealants containing organic solvents or other hazardous substances |

**Uncleaned packaging**

**Recommendation:**
Disposal must be made according to official regulations.
Recycle only completely emptied packaging.

## *SECTION 14: Transport information*

**14.1 UN number or ID number**
**ADR, IMDG, IATA** Void

(Contd. on page 13)

**Safety data sheet**
**according to UK REACH**

KREISEL

Printing date 04.04.2026 Version number: RO/ 7 (replaces version 6) Revision: 04.04.2026

***SILIKON NANOTECH 720***

(Contd. of page 12)

| | |
|---|---|
| **14.2 UN proper shipping name** | |
| **ADR, IMDG, IATA** | Void |
| **14.3 Transport hazard class(es)** | |
| **ADR, ADN, IMDG, IATA** | |
| **Class** | Void |
| **14.4 Packing group** | |
| **ADR, IMDG, IATA** | Void |
| **14.5 Environmental hazards** | Not applicable |
| **14.6 Special precautions for user** | Not applicable |
| **14.7 Maritime transport in bulk according to IMO instruments** | Not applicable |
| **UN "Model Regulation":** | Void |

* 

## *SECTION 15: Regulatory information*

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
**Poisons Act**

| **Regulated explosives precursors** |
|---|
| None of the ingredients is listed. |

| **Regulated poisons** |
|---|
| None of the ingredients is listed. |

| **Reportable explosives precursors** |
|---|
| None of the ingredients is listed. |

| **Reportable poisons** |
|---|
| None of the ingredients is listed. |

**Directive (EU) 2012/18**

**Named dangerous substances - ANNEX I :**
None of the ingredients is listed.

**REGULATION (EC) No 1907/2006 ANNEX XVII :**
Conditions of restriction: 3

**Additional information on Entry 78**
The product does not contain synthetic polymeric microplastics >0.01% according to EC 2055/2023.

**Regulation (EU) No 649/2012**

**Annex I - RESTRICTED EXPLOSIVES PRECURSORS**
**(Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients are included.

**Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

| **Regulation (EC) No 273/2004 on drug precursors** | | |
|---|---|---|
| 108-24-7 | Acetic anhydride | 2A |

(Contd. on page 14)

(Contd. of page 13)

**National regulations:**

**Information about limitation of use:**
Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.

**Waterhazard class:**
Water hazard class 1 (Self-assessment): Slightly hazardous for water

**Other regulations, limitations and prohibitive regulations:**

·Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (UK REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

·Commission Regulation (EU) No 878/2020 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (UK REACH)

·Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

·Commission regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (UK REACH)

·Regulation (EC) No 1013/2006 of the European Parliament and of the Council of 14 June 2006 on shipments of waste

·Regulation (EC) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products

**15.2 Chemical safety assessment**
A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

**Reasons for changes:**
* Data compared to the previous version altered.

**Relevant phrases:**
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H330 Fatal if inhaled.
H360D May damage the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH014 Reacts violently with water.
EUH066 Repeated exposure may cause skin dryness or cracking.

| Classification according to Regulation (EC) No 1272/2008 | |
|---|---|
| Skin corrosion/irritation<br>Serious eye damage/irritation | The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008. |

(Contd. on page 15)

**Safety data sheet**
**according to UK REACH**



***SILIKON NANOTECH 720***

(Contd. of page 14)

**Department issuing MSDS:**
Product safety department (+43/(0)5522-41646-0 / klaus.ritter@fixit-gruppe.com)

**Contact:**
Dr. Klaus Ritter

**Abbreviations and acronyms:**
MAK: Maximale Arbeitsplatz-Konzentration (maximum concentration of a chemical substance in the workplace, Austria/ Germany)
PBT: persistent, bioaccumulative and toxic properties
vPvB: very persistent, bioaccumulatice properties
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
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
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)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Acute Tox. 3: Acute toxicity – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 2: Acute toxicity – Category 2
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Repr. 1B: Reproductive toxicity – Category 1B
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

**Further information:**
The information in this safety data sheet describe the safety requirements of our product and is based on our current state of our knowledge. They provide no assurance of product quality. Existing laws, ordinances and regulations, including those that are not mentioned in this data sheet must be observed by the recipient of our products in their own responsibility.