

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product name: ZWpro™ BC-222 HOCHTEMPERATURSILIKON

Art.-Nr. 73604

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

Use of substance / mixture: PC1: Adhesives, sealants.

1.3. Details of the supplier of the safety data sheet

Company name: Zwegart Fachhandelsgruppe GmbH & Co. KG

Erich-Kiefer-Str. 10 – 14

D-71116 Gärtringen

Deutschland

Tel: +49 (0)7034 122-636

Fax: +49 (0)7034 122-557

Email: info@zwegart.de

1.4. Emergency telephone number

Giftinformationszentrum (GGIZ), HELIOS Klinikum Erfurt, Tel. +49-361-730730

Section 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification under CLP: -: EUH210

Classification under CHIP: This product has no classification under CHIP.

2.2. Label elements**Label elements under CLP:**

Hazard statements: EUH210: Safety data sheet available on request.

Label elements under CHIP:

Hazard symbols: No significant hazard.

Precautionary phrases: Safety data sheet available for professional user on request.

2.3. Other hazards

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

Section 3: Composition/information on ingredients**3.2. Mixtures****Hazardous ingredients:**

TRIACETOXYETHYLSILAN - REACH registered number(s): 01-2119881778-15-0000

EINECS	CAS	CHIP Classification	CLP Classification	Percent
241-677-4	17689-77-9	-: R14; Xn: R22; C: R34	Acute Tox. 4: H302; Skin Corr. 1B: H314; Eye Dam. 1: H318	3-4%

Section 4: First aid measures**4.1. Description of first aid measures**

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. In case of persisting irritation call in a physician. Where possible show the physician container or label.

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Eye contact: After separating the eyelids immediately flush eyes thoroughly with plenty of water. In case eye irritation persists, consult an oculist.

Ingestion: Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. Consult a doctor.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact. For a preparation of very similar composition, minor reversible effects were observed but the preparation was not irritant to skin or eyes according to EU criteria.

Eye contact: There may be irritation and redness. For a preparation of very similar composition, minor reversible effects were observed but the preparation was not irritant to skin or eyes according to EU criteria.

Inhalation: Product releases acetic acid during curing. After curing, product is odourless and indifferent.

Delayed / immediate effects: Delayed effects can be expected after long-term exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Treat symptomatically.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Carbon dioxide. Dry chemical powder. Water spray. Alcohol or polymer foam. Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes. Forms explosive air-vapour mixture. Heating will cause pressure rise - risks of bursting and explosion.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Closed containers near to the fire should be cooled with water (spray). Container may burst upon heating.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Refer to section 13 of SDS for suitable method of disposal. Allow curing, the product can be disposed (category: commercial waste, municipal waste)

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Do not eat, drink or smoke during application. Avoid direct contact with the substance.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Avoid contact with water or humidity. Keep away from direct sunlight.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection**8.1. Control parameters**

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required. Breathing apparatus in the event of high concentration. Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Butyl gloves. Nitrile gloves. PVC gloves. Breakthrough time of the glove material > 1 hour.

Eye protection: Safety glasses with side-shields.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

State: Paste

Colour: Various

Odour: Characteristic odour

Viscosity: Highly viscous

Kinematic viscosity: > 1000

Viscosity test method: Kinematic viscosity in 10⁻⁶ m²/s at 40°C (ISO 3219)

Flammability limits %: lower: 4

upper: 17

Flash point°C: > 150

Autoflammability°C: ca. 427

Relative density: 1.0 - 1.3

VOC g/l: < 30

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity**10.1. Reactivity**

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Humidity. Heat. Direct sunlight.

10.5. Incompatible materials

Materials to avoid: Water. Acids. Strong oxidising agents. Strong reducing agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. In combustion emits toxic fumes of nitrogen oxides. Silica. Release of acetic acid in low amounts upon contact with water/humidity.

Section 11: Toxicological information**11.1. Information on toxicological effects**

Hazardous ingredients:

TRIACETOXYETHYLSILAN

ORAL	RAT	LD50	380	mg/kg
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Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact. For a preparation of very similar composition, minor reversible effects were observed but the preparation was not irritant to skin or eyes according to EU criteria.

Eye contact: There may be irritation and redness. For a preparation of very similar composition, minor reversible effects were observed but the preparation was not irritant to skin or eyes according to EU criteria.

Inhalation: Product releases acetic acid during curing. After curing, product is odourless and indifferent.

Delayed / immediate effects: Delayed effects can be expected after long-term exposure.

Section 12: Ecological information**12.1. Toxicity**

Hazardous ingredients:

TRIACETOXYETHYLSILAN

Daphnia magna	48H EC50	62	mg/l
FISCH	96H LC50	251	mg/l
Selenastrum capricornutum	72H IC50	73	µg/l

12.2. Persistence and degradability

Persistence and degradability: Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Non-volatile. Insoluble in water.

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**Section 13: Disposal considerations****13.1. Waste treatment methods**

Disposal operations: Dispose of as hazardous waste. Allow product to cure and dispose [landfilling - category: commercial wastes or municipal wastes].

Waste code number: 08 04 09, 08 04 99

Disposal of packaging: Empty (clean) container can be disposed off (category: commercial waste, municipal waste).

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information**14.1. UN number**

UN number: UN0000

14.2. UN proper shipping name**14.3. Transport hazard class(es)****14.4. Packing group****14.5. Environmental hazards**

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Section 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.2. Chemical Safety Assessment****Section 16: Other information****Other information**

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH210: Safety data sheet available on request.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

R14: Reacts violently with water.

R22: Harmful if swallowed.

R34: Causes burns.

Legend to abbreviations: PNEC = predicted no effect level

DNEL = derived no effect level

LD50 = median lethal dose

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LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.