## 1. Chemical product identification and company identification

1.1 Name of the preparation:
**SILIPOX 3101 Component A**

1.2 Application of the preparation:
unfilled epoxy resin (Component A) to prepare primers and screeds

1.3 Company name:

WST Quarz GmbH Tel.: ++ 49 281 / 944 03-10
Lise-Meitner-Str. 5 Fax: ++ 49 281 / 944 03-33
46569 Hünxe verkauf@wst-quarz.de

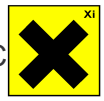

1.4 Emergency contact: Tel.: ++ 49 172 / 43 95 97 -0 or -1 or -2

## 2. Composition / information on ingredients

| CAS-No. | Ingredients | Conc.% | Symbols | R-phrases | EC-No. |
|---|---|---|---|---|---|
| 25068-38-6 | Biphenyl-A-Epichlorohydrine Resins | > 50 | Xi, N | 36/38, 43, 51/53 | - |
| 68609-97-2 | Alkylglycidylether | > 1 < 20 | Xi, N | 36/38, 43, 51/53 | 271-846-8 |
| 9003-97-2 | Biphenyl-F-Epichlorohydrine Resins | > 3 < 25 | Xi, N | 36/38, 43, 51/53 | - |

## 3. Hazard identification

3.1 Classification of the preparation conforme to Directive 1999/45/EC



Xi Irritant

N Hazardous to the environment

3.2 R-phrases:

R 36/38 Irritating to eyes and skin.
R 43 May cause sensitization by skin contact.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 4. First aid measures

Remove soiled or soaked clothing immediately.

4.1 After inhalation: Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

4.2 After skin contact: When in contact with the skin, clean with soap und water. Consult a doctor if skin irritation persists.

4.3 After eye contact: In case of contact with eyes rinse thoroughly with plenty of lukewarm water and seek medical advice.

4.4 After ingestion: Do not induce vomiting. When swallowed seek medical aid immediately and show the physician the packaging or the lable of the packaging.

## 5. Fire fighting measures

5.1 Suitable extinguishing media: Water. Alcohol-resistant foam. Dry chemical extinguisher. Carbon dioxide. Water spray jet (limited).

5.2 Extinguishing media that must not be used for safety reasons: Full water jet.

5.3 Special exposure hazards arising from the preparation itself, its combustion products or from resulting gases: In case of fire, hazardous combustion gases are formed: Carbon dioxide ($CO_2$). Carbon monoxide (CO). Nitrogen oxides (NOx). Risk of formation of toxic pyrolysis products.

5.4 Special protective equipment for firefighting: Protection through wearing of tightly closed chemical protection suit and a self-contained breathing apparatus.

5.5 Collect contaminated firefighting water separately, must not be discharged into the drains.

## 6. Accidental release measures

6.1 Personal precautions: Keep people away and stay on the upwind side.

6.2 Environmental precautions: Do not discharge into the drains/surface waters/groundwater.

6.3 Methods for cleaning up/taking up: Pick up with liquid binding materials and if necessary fill in containers capable of being locked.

6.4 Information regarding Waste Disposal, see chapter 13.

## 7. Handling and storage

7.1 Handling: Use only in well ventilated areas.

7.2 Hints for protection against fire and explosion: The product is combustible.

7.3 Storage: Keep container tightly closed in a well-ventilated place. Do not keep at temperatures above 30 °C.

7.4 Storage category: 10 to 13 (VCI German association of chemical industries)

## 8. Limit exposure and provide personal protection equipment for personnel

8.1 Respiratory protection: Use only in well ventilated areas. No measures exceeding the ones mentioned are necessary.

8.2 Hand protection: Glove material nitrile rubber.
Not suitable: gloves made of thick material.

8.3 Eye protection: Safety glasses/face shield.

8.4 Skin protection: Light protective clothing, thick material. General protective measures. Remove soaked clothing immediately. Use barrier skin cream.

## 9. Physical and chemical properties

9.1 General information

| | |
|---|---|
| State of aggregation: | liquid, viscous |
| Colour: | yellowly, transparent |
| Odour: | slightly perceptible |
| Melting point: | not determined |
| Boiling point: | not determined |
| Ignition temperature: | not determined |
| Vapour pressure: | not determined |

9.2 Important details for health and environmental protection as well as security

| | |
|---|---|
| Flash point method: | > 100 °C / DIN 51755-2 |
| Viscosity method: | 1400 mPas DIN 53015 (23 °C) |
| Density method: | 1.1200 g/cm³ DIN 53217 (20 °C) |
| Solubility in Water: | not soluble |

9.3 Further particulars: none

## 10. Stability and reactivity

10.1 Thermal decomposition/Conditions to be avoided: Polymerisation with evolution of heat.

10.2 Hazardous reactions: Reactions with alkalies, amines and strong acids.

10.3 Hazardous decomposition products: Risk of formation of toxic pyrolysis products.

## 11. Toxicological information

11.1 Acute oral toxicity / LD 50 not determined

11.2 Acute dermal toxicity / LD 50 not determined. Possibility of sensitization through skin contact.

11.3 Acute inhalational toxicity not determined

## 12. Ecological information

12.1 Physico-chemical eliminability/evaluation: Slightly eliminable from water.

12.2 Biological degradability/evaluation: Moderately/partially biodegradable.

12.3 Behaviour in purification plant: Danger of harmful effects against microorganisms in the waste water purification plant.

12.4 General information/ecology: Harmful to fish and bacteria. Do not allow to enter soil, waterways or waste water canal.

## 13. Disposal considerations

13.1 Disposal of the product: Must be taken to a special waste disposal.

13.2 Name of waste: Adhesive and sealant waste containing hazardous ingredients (in Germany AVV 08 04 09).

13.3 Disposal of the contaminated packagings: Completely emptied packagings can be given for recycling.

## 14. Transport information

ADR/RID: Classe 9 (German transport regulation on dangerous substances), UN-No: 3082, Environmentallly hazardous substance, liquid, n.o.s. Biphenyl Epichlorohydrine Resins (MW<700), PG III, lable 9

ICAO/IATA: Classe 9, UN-No: 3082, Environmentallly hazardous substance, liquid, n.o.s. Biphenyl Epichlorohydrine Resins (MW<700), PG III, lable 9

IMDG-Code: 9, UN-No: 3082, Environmentallly hazardous substance, liquid, n.o.s. Biphenyl Epichlorohydrine Resins (MW<700), PG III, lable 9 EMS: F-A, S-F, MP: yes

## 15. Regulatory information

15.1 Labelling in accordance with German and European regulations on dangerous substances:
Biphenyl Epichlorohydrine Resins, Alkylglycidylether

15.2 Hazard symbols: Xi, N
Contains epoxy-containing compounds.

15.3 R-phrases:

| | |
|---|---|
| R 36/38 | Irritating to eyes and skin. |
| R 43 | May cause sensitization by skin contact. |
| R 51/53 | Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |

15.4 S-phrases:

| | |
|---|---|
| S 24 | Avoid contact with skin. |
| S 26 | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S 28 | After contact with skin, wash immediately with water and soap. |
| S 37/39 | Wear suitable gloves and eye/face protection. |
| S 61 | Avoid release to the environment. Refer to special instructions/ see Material Safety data sheet. |

15.5 Class 2 according to German Water regulations.

## 16. Other Information

16.1 The product is classified and labelled in accordance with EC directives and German regulations on dangerous substances.

16.2 Work limitations for youth should be observed. Work limitations for pregnant woman and for woman nursing babies should be observed.

16.3 Changes since the last version in chapter:
This version replaces all previous versions.

16.4 The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material.