

1. Chemical product identification and company identification

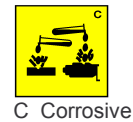
- 1.1 Name of the preparation:
SILIPOX 3101 Component B
- 1.2 Application of the preparation:
Hardener for unfilled epoxy resin (Component B) to prepare primers and screeds
- 1.3 Company name:
WST Quarz GmbH Tel.: ++ 49 281 / 944 03-10
Lise-Meitner-Str. 5 Fax: ++ 49 281 / 944 03-33
46569 Hünxe verkauf@wst-quarz.de
- 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.
100-51-6	Benzylalcohol	> 20 < 50	Xn	20/22	202-859-9
1447-55-0	1,3-Bis(aminomethyl)benzol	> 3 < 25	C	20/22, 34, 52/53	216-032-5
2855-13-2	Isophorondiamine	> 30 < 60	C	21/22, 34, 43, 52/53	220-666-8
90-72-2	2,4,6-Tri-((dimethylamino)methyl)-phenyl	> 1 < 5	Xn	22, 36/38	202-013-9

3. Hazards identification

- 3.1 Classification of the preparation conforme to Directive 1999/45/EC:
- 3.2 R-phrases:
- R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R 34 Causes burns.
- R 43 May cause sensitization by skin contact.
- R 52/53 Harmful 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 (CO₂). Carbon monoxide (CO). Nitrogen oxides (NO_x). 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.



Material Safety Data Sheet
according to 91/155/EC
SILIPOX 3101 Component B

issue: 07/2007

Page 2/3

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: 8 (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: smells to amine
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: 15 mPas DIN 53015 (23 °C)
Density method: 0.9700 g/cm³ DIN 53217 (20 °C)
Solubility in Water: partially soluble
ph-value: 12
9.3 Further particulars: none

10. Stability and reactivity

- 10.1 Thermal decomposition/Conditions to be avoided: none
10.2 Hazardous reactions: Reactions with acids and strong oxidising agents.
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 / 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.



Material Safety Data Sheet

according to 91/155/EC

SILIPOX 3101 Component B

issue: 07/2007

page 3/3

14. Transport information:

ADR/RID: Classe 8 (German transport regulation on dangerous substances), UN-No: 2735, Polyamines, liquid, corrosive, n.o.s., Isophorondiamine, PG III, lable 8

ICAO/IATA: Classe 8, UN-No: 2735, Polyamines, liquid, corrosive, n.o.s., Isophorondiamine, PG III, lable 8

IMDG-Code: 8, UN-No: 2735, Polyamines, liquid, corrosive, n.o.s., Isophorondiamine, PG III, lable 8, EMS: F-A, S-B, MP: yes

15. Regulatory information:

- 15.1 Labelling in accordance with German and European regulations on dangerous substances:
Benzylalcohol, 1,3-Bis(aminomethyl)benzol
Isophorondiamine, 2,4,6-Tri((dimethylamino)-phenyl
- 15.2 Hazard symbol: C
- 15.3 R-phrases: R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R 34 Causes burns.
R 43 May cause sensitization by skin contact.
R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 15.4 S-phrases: 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 29 Do not empty into drains.
S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- 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.