

SECTION 1: Identification of the substance/mixture and of the company**1.1 Product identifier**

SILIMIX-Mixes No.: 100, 260, 261, 270, 277, 279, 282

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

Filler

Uses advised against

The product is intended for the professional user.

1.3 Details of the supplier providing the safety data sheet**Legal entity**

EUROQUARZ GmbH Tel.: 02362/2005-0

Südwall 15 Fax: 02362/2005-99

46282 Dorsten verkauf@euroquarz.de**1.4 Emergency number:**

Dipl.-Ing. Vespermann Tel. 0170 / 56 38 731

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Regulation (EC) 1272/2008**

Hazard categories:

Specific target organ toxicity (repeated exposure): STOT RE 2

Hazard warnings:

May cause damage to organs (lungs) by prolonged or repeated exposure through inhalation.

2.2 Label elements**Regulation (EC) No 1272/2008****Hazard-determining components of labelling**

silicon dioxide

Signal word Warning**Pictograms****Hazard statements**

H373 May cause damage to organs (lungs) by prolonged or repeated exposure through inhalation.

Precautionary Statements

P260 Do not breathe dust/fumes/gas/mist/vapour/spray.

P314 If unwell, seek medical advice / assistance.

Voluntary label element

In case of inadequate ventilation wear respiratory protection

2.3 Other hazards

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH. No other hazard identified.

SECTION 3: Composition / Ingredient information**3.2 Mixtures****Chemical characterization**Silicon dioxide (SiO₂)**Dangerous Ingredients**

CAS-No.	Designation	Content		
	EC-No.	Index-No.	REACH-No.	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
14808-60-7	Silicon dioxide			30- < 35 %
	238-878-4			
	STOT RE 2; H373			

For the full text of the H-Statements mentioned in this section, see section 16.

Further information

There is no information available.

SECTION 4: First aid - Measures**4.1 Description of first aid measures****General Advice**

First-aiders: Watch out for self-protection! Remove affected person from the danger area and lay down. Show this safety data sheet to the attending physician.

After inhalation

In case of accident by inhalation: Remove casualty to fresh air and keep at rest. If symptoms occur or in case of doubt seek medical advice.

After skin contact

After contact with skin, wash immediately with polyethylene glycol, then with plenty of water.

After eye contact

IF IN EYE CONTACT: Rinse gently with water for several minutes. If possible, remove existing contact lenses. Continue rinsing. Consult an ophthalmologist if symptoms occur or persist.

After swallowing

Rinse mouth immediately and drink plenty of water. DO NOT induce vomiting. If you feel unwell, call a doctor.

4.2 Most important acute and delayed symptoms and effects

No acute and delayed symptoms and effects are observed.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: No special first aid measures necessary.

SECTION 5: Fire-fighting measures**5.1 Extinguishing media****Suitable extinguishing media**Adjust extinguishing measures to the environment. Carbon dioxide (CO₂), Foam, Extinguishing powder.**Unsuitable extinguishing media**

Full water jet.

5.2 Special hazards arising from the substance or mixture

Non-flammable.

5.3 Advice for fire fighting

In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated extinguishing water separately. Not discharged into drains or watercourses.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protective equipment. Provide adequate ventilation.

6.2 Environmental protection measures

Do not allow to enter drains or watercourses.

6.3 Methods and materials for containment and cleaning up

Pick up mechanically. Treat the collected material according to the Disposal section.

6.4 Reference to other sections

Safe handling: see section 7

Personal protective equipment: see section 8.

Disposal: see section 13

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Instructions for safe handling

Wear personal protective equipment (see section 8).

Information on fire and explosion protection

Common preventive fire protection measures.

7.2 Conditions for safe storage, including and incompatibilities**Requirements for storerooms and containers**

Keep container tightly closed. Store in a place accessible only to authorised persons. Ensure adequate ventilation and point extraction at critical points.

Information on storage in one common storage facility

For further information on combined and separate storage, see TRGS 510.

Further information on storage conditions

Recommended storage temperature: 5 - 35 °C.

Store only in the original container.

Store in a dry place.

Storage class according to TRGS 510: 13 (non-flammable solids that are not assigned to any of the aforementioned LGK).

SECTION 8: Exposure controls/Personal protective equipment**8.1 Parameters to be monitored**

Occupational exposure limit values (TRGS 900)

Designation	mg/m ³
General Dust limit value, for inhalable fraction (E-dust)	10
General Dust limit value, for respirable fraction (A-dust, based on a average density of 2,5 g/cm ³)	1,25

8.2 Exposure controls and monitoring**Suitable technical control equipment**

Ensure adequate ventilation. Avoid dust formation.

Protective and hygienic measures

Immediately remove soiled, soaked clothing. Create and observe skin protection plan! Wash hands and face thoroughly before breaks and at the end of work, shower if necessary. Do not eat or drink while working.

Eye/face protection

Suitable eye protection: Basket glasses

Hand protection

When handling chemical substances, only chemical protective gloves with a CE mark including a four-digit test number may be worn. Chemical protective gloves must be selected specifically for the workplace depending on the concentration and quantity of hazardous substances. It is recommended to check the chemical resistance of the above-mentioned protective gloves for special applications with the glove manufacturer. Recommendation according to EN 374: For short-term work or as splash protection: Gloves made of butyl rubber/nitrile rubber (0.4 mm). Change and dispose of contaminated gloves immediately. In case of permanent product contact: Viton gloves (0.4 mm) Penetration time >30 min.

Body protection

Wear suitable protective clothing when working. Recommendation: Safety shoes according to EN ISO 20345, long trousers and long-sleeved work shirt; for mixing and stirring additionally rubber apron and protective boots according to EN 14605.

Respiratory protection

Respiratory protection is required: Dust formation.

The use of half masks or full masks with particle filters of class 2 or 3 (FP2 - FP3) is recommended (see DIN EN 143).

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

State of aggregation @20 °C:	Solid
Colour:	Grey/White
Odour:	Odourless
pH value:	No information available.
Flash point:	Not applicable
Explosion hazards	No information available.
Ignition temperature:	No information available.
Decomposition temperature:	No information available.
Oxidizing properties	No information available.
Vapour pressure:	No information available.
Density (at 23 °C):	2 - 3 g/cm ³
Water solubility:	No information available.
Solubility in other solvents:	No information available.
Distribution coefficient:	No information available.
Dyn. viscosity:	Not applicable
Vapour density:	No information available.
Evaporation rate:	No information available.

SECTION: 10 Stability and reactivity**10.1 Reactivity**

When handled and stored as directed, no dangerous reactions occur.

10.2 Chemical stability

The mixture is chemically stable under the recommended storage, use and temperature conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions are known.

10.4 Conditions to avoid

none / none

10.5 Incompatible materials

There is no information available.

10.6 Hazardous decomposition products

No dangerous decomposition products are known.

SECTION: 11 Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

Based on the available data, the classification criteria are not met.

Irritant and corrosive effect

Based on the available data, the classification criteria are not met.

Sensitising effects

Based on the available data, the classification criteria are not met.

Carcinogenic, mutagenic and toxic to reproduction effects

Based on the available data, the classification criteria are not met.

Specific target organ toxicity at single exposure

Based on the available data, the classification criteria are not met.

Specific target organ toxicity for repeated exposure

May cause damage to organs (lungs) by prolonged or repeated exposure through inhalation (silica).

Aspiration hazard

On the basis of the available data, the classification criteria are not met.

SECTION 12: Environmental disclosures**12.1 Toxicity**

There is no information available.

12.2 Persistence and degradability

The product has not been tested.

12.3 Bioaccumulation potential

The product has not been tested.

12.4 Mobility in the ground

The product has not been tested.

12.5 Results of PBT and vPvB Assessment

The product has not been tested.

12.6 Other adverse effects

There is no information available.

SECTION 13: Disposal Information**13.1 Waste treatment processes****Referral**

Do not allow to enter drains or watercourses. Do not allow to enter subsoil/soil. Disposal in accordance with official regulations.

Waste code Product

010409 WASTES EXPOSING, EXPLOITING AND PRODUCING AND PHYSICAL AND CHEMICAL TREATMENT OF SOIL PROPECTS; wastes from the physical and chemical processing of non-metalliferous mineral resources; wastes of sand and clay

Waste code Product residues

010409 WASTES EXPOSING, EXPLOITING AND PRODUCING AND PHYSICAL AND CHEMICAL TREATMENT OF SOIL PROPECTS; wastes from the physical and chemical processing of non-metalliferous mineral resources; wastes of sand and clay

Waste code uncleaned packaging

150110 PACKAGING WASTE, SUPPORTS, WIPERS, FILTERMATERIALS AND PROTECTIVE CLOTHING (A.N.G.); packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances; hazardous waste

Disposal of uncleaned packaging and recommended cleaning agents

This product and its container must be disposed of as hazardous waste. Contaminated packaging must be treated in the same way as the substance. Avoid dust formation.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1 UN number No dangerous goods within the meaning of these transport regulations.

Sea transport (IMDG)

14.1 UN number No dangerous goods within the meaning of these transport regulations.

14.5 Environmental hazards

DANGEROUS TO THE ENVIRONMENT no

14.6 Special precautions for the user

There is no information available.

14.7 Transport in bulk in accordance with Annex II of MARPOL 73/78 and IBC Code

Not applicable

SECTION 15: Legislation**15.1 Safety, health and environmental protection/legislation specific to the substance or mixture
EU regulations**

Information on SEVESO III Directive 2012/18/EU: Not subject to SEVESO III Directive

Additional information:

Prohibition / Restriction:

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): 3

REACH - Candidate list of substances of very high concern for authorisation (Article 59): none of the components is listed (\Rightarrow 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV): not applicable

REACH Information: The substances contained in our products are pre-registered or registered by our suppliers and/or pre-registered or registered by us and/or exempted from the REACH Regulation and/or are subject to the REACH Regulation, but are exempted from the registration obligation.

National regulations

Employment restrictions: Observe employment restrictions for young people (§ 22 JArbSchG).
Observe employment restrictions for expectant and nursing mothers (§§ 4 and 5 MuSchArbV).

Major Accidents Ordinance: Not subject to the Major Accidents Ordinance.

Quantity thresholds:

Water hazard class: not hazardous to water

Status: Mixing rule according to VwVwS Appendix 4, No. 3

15.2 Chemical safety assessment

Exempt from the REACH registration obligation according to Annex V 7.

Section 16: Other information**Alterations**

Updates to 8.1 and revision update.

Abbreviations and acronyms

ADR/RID	European Agreement concerning the international carriage of dangerous goods by road/rail
IMDG	International Maritime Dangerous Goods Code
ELINCS	European List of Notified Chemical Substances
CAS	Chemical Abstracts Service
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
MARPOL	Marine Pollution (International Convention for the Prevention of Marine Pollution from Ships)
PBT	Persistent, bio-accumulative and toxic (persistent, bio accumulative, toxic)
REACH	Registration, Evaluation and Authorisation of Chemicals (Regulation (EC) 1907/2006)
STOT	Specific target organ toxicity
TRGS	Technical Rules for Hazardous Substances
vPvB	Very persistent, very bio accumulative (very persistent, very bio accumulative)
LC ₅₀	Lethal concentration, 50%
LD ₅₀	Lethal dose, 50%

Word order of H and EUH phrases (number and full text)

H373 May cause damage to organs (lungs) by prolonged or repeated exposure through inhalation.

Further information

To the best of our knowledge, the information in this safety data sheet corresponds to our knowledge at the time of printing. The information in this safety data sheet is intended to provide you with information for the safe handling of the product specified in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. Insofar as the product is mixed, mixed or processed with other materials or undergoes processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.

(The data of the hazardous ingredients were taken from the latest valid safety data sheet of the supplier).