

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : SOLIMIN QUARZ BRUSH RENDERING  
Art. No. 3055  
Revision date : 01.09.2012  
Date of print : 12.09.2012

Version : 1.0.0

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

SOLIMIN QUARZ BRUSH RENDERING  
Art. No. 3055

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

#### Relevant identified uses

Product categories Coatings and paints, fillers, putties, thinners

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

#### Supplier (manufacturer/importer/only representative/downstream user/distributor)

BIOFA Naturprodukte W.Hahn GmbH

Street : Dobelstr.22

Postal code/city : D-73087 Bad Boll

Telephone : +49 (0) 7164-9405-0

Telefax : +49 (0) 7164-9405-94

#### Information contact :

Respondent department: product safety department

Contact: Mr. Andrew Beuttenmüller

E-mail address of the competent person responsible for the SDS: a.beuttenmueller@biofa.de

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Directive 67/548/EEC or 1999/45/EC

This mixture is not classified as dangerous according to 1999/45/EC.

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS].

None

### 2.2 Label elements

#### Labelling (67/548/EEC or 1999/45/EC)

No label required according to 1999/45/EC, annex V B, No. 9.

### 2.3 Other hazards

The product is: alkaline

Avoid contact with skin and eyes.

Results of PBT and vPvB assessment: Not applicable.

## 3. Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

None

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Contains silicic acid, potassium salt MVZ > 3,2 solids content < 40%  
CAS-No. 1312-76-1 EG-No. 215-199-1  
Concentration in mixture < 7%  
According to present EC-regulations (directives) or respective national regulations the substance does not have to be classified.

## 4. First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Change contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice.

#### After inhalation

Remove casualty to fresh air and keep warm and at rest. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). If breathing is irregular or stopped, administer artificial respiration.

#### In case of skin contact

Change contaminated, saturated clothing. After contact with skin, wash immediately with plenty of water and soap. Clean with detergents. Avoid solvent cleaners. In case of skin reactions, consult a physician.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. If necessary remove contact lenses and continue to flush with plenty of clean, fresh water.

#### After ingestion

Call a physician immediately. Put victim at rest, cover with a blanket and keep warm. Do not induce vomiting. If vomiting occurs, be sure to avoid choking. Rinse mouth thoroughly with water.

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

No information available.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

## 5. Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Water spray Extinguishing powder.

#### Unsuitable extinguishing media

High power water jet.

### 5.2 Special hazards arising from the substance or mixture

"Fire will produce dense black smoke. Exposure to danger decomposition products may cause a health hazard. " In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for firefighters

Use suitable breathing apparatus. Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear breathing apparatus if exposed to vapours/dusts/aerosols. See protective measures under point 7 and 8.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates drains, lakes, rivers or sewers, inform the appropriate authorities in accordance with local regulations.

### 6.3 Methods and material for containment and cleaning up

#### For cleaning up

Larger amounts have to be pumped out. Contain and collect small spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Preferably clean with a detergent. Avoid using solvents.

### 6.4 Reference to other sections

See protective measures under point 7 and 8.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. When using do not eat, drink, smoke, sniff. Wear personal protection equipment. (see chapter 8). Keep container tightly closed. Never use pressure to empty container. Keep/Store only in original container. Comply with health and safety regulations.

Do not allow to enter into surface water or drains.

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

Store in accordance with local regulations.

#### Hints on storage assembly

Keep away from: Alkali (lye). Acid. Oxidising agent

Storage class : 12

#### Further information on storage conditions

Observe label and technical data sheet precautions. Keep only in the original container in a cool, well-ventilated place. Protect against Heat. Frost. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end use(s)

Matt coatings for interior walls and ceilings

## 8. Exposure controls/personal protection

### 8.1 Control parameters

None

### 8.2 Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation or good general extraction.

#### Personal protective equipment

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## Eye / face protection

Suitable eye protection Eye glasses with side protection

## Skin protection

After cleaning apply high-fat content skin care cream.

## Hand protection

Tested protective gloves must be worn DIN EN 374

Breakthrough times and swelling properties of the material must be taken into consideration.

By long-term hand contact Suitable material : Butyl caoutchouc (butyl rubber).

Thickness of the glove material 0,7 mm

Breakthrough time (maximum wearing time) > 480 min.

By short-term hand contact Suitable material : NBR (Nitrile rubber).

Thickness of the glove material 0,4 mm

Breakthrough time (maximum wearing time) > 120 min.

## Body protection

Personnel should wear impermeable protective work clothing.

Recommended material Natural fibres (e.g. cotton)

## Respiratory protection

Usually no personal respirative protection necessary.

Respiratory protection necessary at: Spray application

Suitable respiratory protection apparatus

Filtering device (full mask or mouthpiece) with filter: P 2

## Environmental exposure controls

See chapter 7. No additional measures necessary.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state : liquid , viscous

Colour : white

#### Odour

characteristic

#### Odour threshold

Not determined

#### Safety relevant basis data

Melting point / melting range :

No data available

Boiling temperature/boiling range: ( 1013 hPa )

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100 °C

Decomposition temperature :

No data available

Flash point :

not applicable

DIN EN ISO 1523

Ignition temperature :

not applicable

Lower explosion limit :

not applicable

Upper explosion limit :

not applicable

Vapour pressure : ( 50 °C )

No data available

Density : ( 20 °C )

1,48 - 1,51 g/cm<sup>3</sup>

DIN 53217

Solvent separation test : ( 20 °C )

not applicable

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Water solubility :	( 20 °C )		completely mixable
pH value :			10,5 - 11
Viscosity :	( 20 °C )	>	8000 mPa.s
Solid content :			54 - 56 Wt %
Solvent content :			0 Wt %
Maximum VOC content (EC) :		<	1 Wt %

Self-ignition: Product is not self-igniting.  
Danger of explosion by solvents: Not applicable  
Relative density: Not determined  
Vapour density: Not determined  
Evaporation rate: Not determined  
N-octanol-water partition coefficient: Not determined

## 9.2 Other information

None

## 10. Stability and reactivity

### 10.1 Reactivity

No dangerous reactivity under recommended usage, handling and storage.

### 10.2 Chemical stability

Stable under recommended usage, storage and handling conditions (see section 7).

### 10.3 Possibility of hazardous reactions

None known.

### 10.4 Conditions to avoid

Thermal decomposition can lead to the escape of irritating gases and vapours.

### 10.5 Incompatible materials

Alkali (lye). acid. Oxidising agent.

### 10.6 Hazardous decomposition products

By combustion and thermal decomposition at high temperatures, the following chemicals can be produced: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Nitrogen oxides (NO<sub>x</sub>). carbon black.

## 11. Toxicological information

Toxicological data are not available. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

### 11.1 Information on toxicological effects

#### Acute effects

##### Acute oral toxicity

Parameter :	LD50 ( silicic acid, potassium salt mvz greater 3,2 ; CAS No. : 1312-76-1 )
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg

#### Irritant and corrosive effects

##### Primary irritation to the skin

The product is: Not an irritant.

##### Irritation to eyes

The product is: Not an irritant.

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## Irritation to respiratory tract

The product is: Not an irritant.

## Sensitisation

not sensitising.

## Repeated dose toxicity (subacute, subchronic, chronic)

Toxicological data are not available.

## CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

### Carcinogenicity

Toxicological data are not available.

### Germ cell mutagenicity/Genotoxicity

Toxicological data are not available.

### Reproductive toxicity

Toxicological data are not available.

## 12. Ecological information

### 12.1 Toxicity

#### Aquatic toxicity

##### Acute (short-term) fish toxicity

Parameter : LC50 ( silicic acid, potassium salt mvz greater 3,2 ; CAS No. : 1312-76-1 )  
Species : Leuciscus idus (golden orfe)  
Evaluation parameter : Acute (short-term) fish toxicity  
Effective dose : > 146 mg/l  
Exposure time : 48 h

##### Acute (short-term) daphnia toxicity

Parameter : EC50 ( silicic acid, potassium salt mvz greater 3,2 ; CAS No. : 1312-76-1 )  
Species : Daphnia pulex (water flea)  
Evaluation parameter : Acute (short-term) daphnia toxicity  
Effective dose : > 146 mg/l  
Exposure time : 24 h

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII

### 12.6 Other adverse effects

No data available

### 12.7 Further ecological information

Do not allow to enter into surface water or drains.

## 13. Disposal considerations

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## 13.1 Waste treatment methods

Do not allow to enter into surface water or drains.

### Product/Packaging disposal

Wastes and empty containers must be classified in accordance with the Waste Catalogue Ordinance.

#### Waste codes / waste designations according to EWC / AVV

##### Waste code product

08 01 12

##### Waste name

Waste paint and varnish other than those mentioned in 08 01 11\*.

#### Waste treatment options

##### Appropriate disposal / Package

Packing which cannot be properly cleaned must be disposed of.

Non-contaminated packages may be recycled.

## 14. Transport information

### 14.1 UN number

No dangerous good in sense of this transport regulation.

### 14.2 UN proper shipping name

No dangerous good in sense of this transport regulation.

### 14.3 Transport hazard class(es)

No dangerous good in sense of this transport regulation.

### 14.4 Packing group

No dangerous good in sense of this transport regulation.

### 14.5 Environmental hazards

No dangerous good in sense of this transport regulation.

### 14.6 Special precautions for user

None

## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU legislation

Regulation (EC) No. 2037/2000 concerning materials, which cause damage to the ozone layer. Not applicable

Directive 96/82/EC for danger control following severe accidents with dangerous substances Not subject to 96/82/EC

#### EU legislation

##### Other regulations (EU)

##### Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

VOC-value (in g/l) : max. 1

#### National regulations

Restrictions of occupation

None, if handled according to order.

#### Störfallverordnung

Not subject to StörfallVO.

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## Water hazard class (WGK)

Class : nwg (Non-hazardous to water) Classification according to VwVwS

## Other regulations, restrictions and prohibition regulations

### VOC-Regulation (31. BImSchV)

VOC product category : Paints and varnishes

VOC subcategory of the product : Matt coatings for interior walls and ceilings

VOC limit value step II (g/l), ready-to-use condition : 30

Maximum VOC content (g/l) of the product in a ready to use condition : max. 1

## Additional information

Giscode : M-SK01

## 15.2 Chemical safety assessment

Chemical safety assessments for substances in this preparation were not carried out.

## 16. Other information

### 16.1 Indication of changes

None

### 16.2 Abbreviations and acronyms

None

### 16.3 Key literature references and sources for data

Directive 67/548/EEC respectively 1999/45/EC in the current version.

Regulation (EC) No. 1907/2006 (REACH), 1272/2008 (CLP) in the current version.

Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP] Transport regulations according ADR, RID, IMDG, IATA in the current version.

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### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) 1207/2008 [CLP]

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

None

### 16.5 Relevant R-, H- and EUH-phrases (Number and full text)

None

### 16.6 Training advice

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

It is temporarily possible, that products which have not been sold out of stock have a different label on the packaging compared with the safety data sheets. We appreciate your understanding.

The information in the safety data sheet does not guarantee any Product properties and does not establish any contractual legal relationship. The product may only be used in accordance with sections 1 and 7 on this safety data sheet and it has to be used as described on the label and the technical data sheet.