

\* **1 Identification of substance**

· Product details

· Trade name: **Marble Silicone**

· Article number: 402xx, 403xx

· Application of the substance / the preparation Silicate sealing

· Manufacturer/Supplier: AKEMI chemisch technische Spezialfabrik GmbH  
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D 90451 Nürnberg

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· Information department: Laboratory

\* **2 Composition/Data on components**

· Chemical characterization

· Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 2768-02-7	trimethoxyvinylsilane	1-5%
EINECS: 220-449-8	Xn; R 20	

CAS: 128446-60-6	3-Aminopropyl(methyl)silsesquioxane, ethoxy-terminiert	1-5%
	Xi; R 10-36/38	

CAS: 2224-33-1	Butanonoximvinylsilan	<1%
EINECS: 218-747-8	Xi; R 37/38-41-43	

· Additional information: For the wording of the listed risk phrases refer to section 16.

**3 Hazards identification**

· Hazard description: Not applicable.

· Information pertaining to particular dangers for man and environment: The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· Classification system: The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

· NFPA ratings (scale 0 - 4) Health = 0

Fire = 0

Reactivity = 0

· HMIS-ratings (scale 0 - 4) Health = 0

Fire = 0

Reactivity = 0

\* **4 First aid measures**

· General information: Immediately remove any clothing soiled by the product.

· After inhalation: Supply fresh air; consult doctor in case of complaints.

· After skin contact: Clean with water and soap. If possible, also wash with polyethylene glycol 400.

Generally the product does not irritate the skin.

· After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: Drink copious amounts of water and provide fresh air. Immediately call a doctor.

Do not induce vomiting; immediately call for medical help.

\* **5 Fire fighting measures**

· Suitable extinguishing agents: CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· Special hazards caused by the material, its products of combustion or resulting gases: In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

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- Carbon monoxide (CO)  
Nitrogen oxides (NOx)
- Protective equipment: Wear self-contained respiratory protective device.

## \* 6 Accidental release measures

- Person-related safety precautions: Ensure adequate ventilation
- Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.
- Measures for cleaning/collecting: Pick up mechanically.  
Dispose contaminated material as waste according to item 13.

## \* 7 Handling and storage

- Handling:
- Information for safe handling: Ensure good ventilation/exhaustion at the workplace.
- Information about protection against explosions and fires: No special measures required.
- Storage:
- Requirements to be met by storerooms and receptacles: Store in a cool location.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

## \* 8 Exposure controls and personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Components with limit values that require monitoring at the workplace:  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists that were valid during the creation were used as basis.
- Personal protective equipment:
- General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- Breathing equipment: Not necessary if room is well-ventilated.  
Use suitable respiratory protective device in case of insufficient ventilation.
- Protection of hands: Protective gloves
- Material of gloves: Butyl rubber, BR
- Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Safety glasses
- Body protection: Protective work clothing

## \* 9 Physical and chemical properties

- General Information
- Form: Pasty
- Color: Different according to coloring
- Odor: Specific type
- Change in condition
- Melting point/Melting range: Undetermined.
- Boiling point/Boiling range: Undetermined.

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- Flash point: Not applicable.
- Ignition temperature: ca. 430°C (ca. 806°F)
- Auto igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Density at 20°C (68°F): ~ 1.03 g/cm<sup>3</sup>
- Solubility in / Miscibility with Water: Insoluble.
- pH-value at 20°C (68°F): ca. 7

\* **10 Stability and reactivity**

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Dangerous reactions No dangerous reactions known.
- Dangerous products of decomposition: Small quantities of formaldehyde may be formed.

\* **11 Toxicological information**

- Acute toxicity:
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: Sensitizing effect through inhalation is possible with prolonged exposure.  
Sensitizing effect by skin contact is possible with prolonged exposure.
- Additional toxicological information: The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

\* **12 Ecological information**

- General notes: Do not allow product to reach ground water, water course or sewage system.  
Water hazard class 1 (Self-assessment): slightly hazardous for water

\* **13 Disposal considerations**

- Product:
- Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.  
Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.  
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

**14 Transport information**

- DOT regulations:
- Hazard class: -
- Land transport ADR/RID (cross-border):
- ADR/RID class: -

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- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

## \* 15 Regulations

- Sara
- Section 355 (extremely hazardous substances):  
None of the ingredient is listed.
- Section 313 (Specific toxic chemical listings):  
None of the ingredients is listed.
- TSCA (Toxic Substances Control Act):  
2768-02-7 trimethoxyvinylsilane
- Proposition 65
- Chemicals known to cause cancer:  
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for females:  
None of the ingredients is listed.
- Chemicals known to cause reproductive toxicity for males:  
None of the ingredients is listed.
- Chemicals known to cause developmental toxicity:  
None of the ingredients is listed.
- Cancerogenity categories
- EPA (Environmental Protection Agency)  
None of the ingredients is listed.
- IARC (International Agency for Research on Cancer)  
None of the ingredients is listed.
- NTP (National Toxicology Program)  
None of the ingredients is listed.
- TLV (Threshold Limit Value established by ACGIH)  
None of the ingredients is listed.
- MAK (German Maximum Workplace Concentration)  
None of the ingredients is listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health)  
None of the ingredients is listed.
- OSHA-Ca (Occupational Safety & Health Administration)  
None of the ingredients is listed.
- Product related hazard informations: Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations according to directives on hazardous materials.
- Safety phrases: Keep out of the reach of children.  
Do not breathe fumes  
Avoid contact with skin and eyes.  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Take off immediately all contaminated clothing.  
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point  
If swallowed, seek medical advice immediately and show this container or label.  
Use only in well-ventilated areas.
- National regulations:
- Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

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\* **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS: Laboratory
- Contact: Dieter Zimmermann
- \* Data compared to the previous version altered.

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