

SECTION 1: Identification of the substance/mixture and of the company/undertaking

S-Silicon

- 1.1 Product identifier:** Alfix S-Silicon
1.2 Relevant identified uses of the substance or mixture and uses advised against:
 Used as highly elastic sealant for movement joints in ceramic tilings.

1.3 Details of the supplier of the safety data sheet:

Alfix A/S
 H.C. Ørsteds Vej 11-13
 DK-6000 Kolding
 Tel.: +45 75 52 90 11
 Fax: +45 75 50 40 11
 e-mail: alfix@alfix.dk
 Contact person: Allan Nielsen / Frank Pingel

1.4 Emergency telephone number +45 75 52 90 11 (Alfix)

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture:**
 Not regarded as a health or environmental hazard under current legislation.

2.2 Label elements Labelling according to EC (67/548 or 1999/45)

- 2.3 Other hazards:**
 Product hydrolyses, producing ethanol (CAS no. 64-17-5). Ethanol is highly flammable (F, R11).

SECTION 3: Composition/information on ingredients

- 3.1 Substances: -**
 Polydimethylsiloxane and auxiliary + crosslinker.

Mixtures:

Substances: - Mixtures:	CAS-No.	EC-No.	Index-No.	Con-tent- %	REACH reg.No	Classification
Distillates, petroleum, hydrotreated middle	64742-46-7	265-148-2	-	< 5%	01- 2119459347- 30	Xn;R65-66 CLP*: Asp. Tox. 1;H304 EUH066
3-Aminopropyl(methyl) silsesquioxanes, ethoxyterminated	128446-60-6	-	-	< 5%	-	Xi; R10-36/38 CLP*: Eye Irrit. 2; H319 Skin Irrit. 2; H315

CLP*: Regulation (EC) No 1272/2008 of the European Parliament and of the Council
 For the full text of R-phrases and H-phrases see section 16.

Distillates, petroleum,hydrotreated middle has been classified according to appendix VI I EU regulation 1272/2008.

SECTION 4: First aid measures

4.1 Description of first aid measures:

Inhalation:

Bring the injured to fresh air. **Mild cases:** Keep the injured in rest under supervision. In case of discomfort: Contact a doctor.

Severe cases: Move the unconscious person into recovery position and keep warm with head kept low. If breathing has stopped, begin artificial respiration. Seek medical advice or call an ambulance immediately.

Skin contact:

Remove contaminated clothing. Wash then the skin carefully with water and soap. If irritation persists, seek medical advice.

Eye contact:

Rinse wide opened eye immediately with water or physiological saltwater for at least 15 minutes. Remove contact lenses if any. If irritation persists or recurs seek medical advice.

Ingestion:

Immediately rinse mouth carefully and drink plenty of water. Do not induce vomiting. Drink water or milk and seek medical advice.

immediately. If it is not possible to get immediately medical attention: Do not induce vomiting. Keep the head low to avoid the content from the stomach to reach the lungs. Seek medical advice.

Burn:

Not relevant. Product is not flammable.

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

When used in small poorly ventilated rooms, exposure may cause headache and / or nausea.

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

Unconsciousness: Seek medical advice or call an ambulance immediately. Show this Material Safety Data Sheet to the doctor or at the emergency room.

**SECTION 5:
Firefighting measures**

- 5.1 Extinguishing media:**
Carbon dioxide, alcohol resistant foam or powder, water fog or water spray.
- 5.2 Special hazards arising from the substance or mixture:**
Product is not flammable. During a fire, harmful smoke will be developed.
- 5.3 Advice for firefighters:**
Remove container if possible, or cool with water. Use breathing apparatus.

**SECTION 6:
Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures:**
Personal equipment: See section 8. Ventilate well.
- 6.2 Environmental precautions:**
Prevent access to drains, sewers, waterways and soil. See section 12.
- 6.3 Methods and material for containment and cleaning:**
Dam and pick up spillage with sand, cat sand or other absorbing materials and place it in suitable containers. Disposal: See section 13.
- 6.4 References to other sections:**
See above.

**SECTION 7:
Handling and storage**

- 7.1 Precautions for safe handling:**
Wash immediately when skin is contaminated. Access to running water and eye rinse.
Precautions against fire and explosion:
Product may release ethanol. Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging.
- 7.2 Conditions for safe storage, including any incompatibilities:**
Keep only in the original container, tightly closed. Store in a cool, well ventilated, dry place.
Keep away from food, drinks and animal feed.
- 7.3 Specific end use(s):**
See use of the substance in section 1.

**SECTION 8:
Exposure controls/personal protection**

- 8.1 Control parameters:**
None.
- 8.2 Exposure controls:**
Appropriate engineering controls:
None.
- 8.3 Individual protection measures, such as personal protective equipment:**
Respiratory protection: In case of long or strong exposure: gas mask filter ABEK .
Skin protection: Use protection gloves of e.g. PVC, neoprene or vinyl. There is no time for glove penetration, therefore change gloves, when it is contaminated.
Eye protection: Use eye protection to avoid the product getting into the eyes
- 8.4 Environmental exposure controls:**
Disposal in accordance with local authority requirements. See section 13.

**SECTION 9:
Physical and chemical properties**

- 9.1 Information on basic physical and chemical properties:**
Appearance: Paste.
Odour: -
Odour threshold: -
pH: -
Melting point/freezing point: -
Initial boiling point and boiling range: -
Flash point: -
Evaporation rate: -
Flammability (solid, gas): -
Upper/lower flammability or explosive limits: -
Vapour pressure: -
Vapour density: -
Relative density: 1.0 g/cm³
Solubility(ies): Soluble
Partition coefficient: n-octanol/water: -
Auto-ignition temperature: -
Decomposition temperature: -
Viscosity: -
Explosive properties: -
Oxidising properties: -
- 9.2 Other information:** -

**SECTION 10:
Stability and reactivity**

- 10.1 Reactivity:**
Stable under normal condition
- 10.2 Chemical stability:**
Stable under recommended storing.

10.3 Possibility of hazardous reactions:

Avoid frost and excessive heat.

10.4 Conditions to avoid:

Moisture.

10.5 Incompatible materials:

Reacts with: water, basic substances and acids. Reaction causes the formation of: ethanol

10.6 Hazardous decomposition products:

Ethanol. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

SECTION 11:
Toxicological information
11.1 Information on toxicological effects:

Product not investigated. According to our present state of knowledge no damaging effect expected when treated in accordance with standard industrial practices and local regulations where applicable.

11.2 Symptoms related to the physical, chemical and toxicological characteristics
Inhalation:

When used in small poorly ventilated rooms, exposure may cause headache and / or nausea.

Skin contact:

Prolonged or repeated skin contact may give a slight irritation.

Eye contact:

May give flushing and irritation.

Ingestion:

Unlikely however if ingested it will give severe irritation – possible corrosion in mouth, stomach and intestinal tract. May cause nausea, discomfort and vomiting

Repeated and immediate effects as well as chronic effects from short and long time exposure:

None known.

SECTION 12:
Ecological information
12.1 Toxicity:

Aquatic	Data	Testmethod	Source
	Cement:		
Fish	No available data	FW	IUCLID
Aquatic Invertebrates	No available data	-	IUCLID
Algae	No available data	-	IUCLID

The product is not classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Product is immobile, and do not decompose.

12.3 Bioaccumulative potential:

No available data.

12.4 Mobility in soil:

No available data.

12.5 Results of PBT and vPvB assessment:

No available data.

12.6 Other adverse effects:

No available data.

SECTION 13:
Disposal considerations
13.1 Waste treatment methods:

Disposal of in accordance with local authority requirements.

13.2 EWC-code:

08 04 10

SECTION 14:
Transport information

The product is not considered as dangerous goods.

14.1 UN-number: -

14.2 UN proper shipping name: -

14.3 Transport hazard class(es): -

14.4 Packing group: -

14.5 Environmental hazards: None according to the rules of transport

14.6 Special precautions for user: None

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not relevant

SECTION 15:
Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

No Special education/training requirements, but knowledge to of this Material Safety Data Sheet ought to be a requirement.

EU-directive 2004/42/EF

There can be local authority requirements.

15.2 Chemical safety assessment:

No CSA

**SECTION 16:
Other information**

The given R-phrase and H-phrase in chapter 2 and 3 are to read as follows:

R65 Harmful: May cause lung damage if swallowed
R66 Repeated exposure may cause skin dryness or cracking
R10 Flammable
R36/38 Irritating to eyes and skin

H304 May be fatal if swallowed and enters airways
EUH066 Repeated exposure may cause skin dryness or cracking
H319 Causes serious eye irritation
H315 Causes skin irritation