

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 28.10.2016

Version number 3

Revision: 27.08.2015

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

* **1.1 Product identifier**

* **Trade name** **Silicon AFM**

* **Article number:** 0736

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

No further relevant information available.

* **Application of the substance / the mixture** mould compound

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

* **Manufacturer/Supplier:**

Remmers GmbH
Postfach 1255
D-49624 Lönningen / Germany
Tel.: +49(0)5432/83-0
Fax: +49(0)5432/3985

Remmers (UK) Limited
Unit B1 The Fleming Centre
West Sussex RH10 9NN
fon +44 (0) 1293 594 010
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* **Informing department:**

Product Safety department: Tel.: Steve Dunn Tel.: +44 (0) 1293 594 010
E-Mail: sales@remmers.co.uk

* **1.4 Emergency telephone number:**

during working hours:

U.K.: Tel.: +44 (0) 1293 594 010

sales@remmers.co.uk

Head Office Germany: Tel.: +49 (0)5432 83 187

info@remmers.de

after working hours: Tel.: +49 (0)171 21 34 091

24h-Transport Emergency Contact Phone Number:

within USA and Canada: 1-800-424-9300

outside USA and Canada: 001-703-527-3887

SECTION 2: Hazards identification

* **2.1 Classification of the substance or mixture**

* **Classification according to Regulation (EC) No 1272/2008**

The product is not classified according to the CLP regulation.

* **2.2 Label elements**

* **Labelling according to Regulation (EC) No 1272/2008** Void

* **Hazard pictograms** Void

* **Signal word** Void

* **Hazard statements** Void

* **Precautionary statements**

P233 Keep container tightly closed.

* **Additional information:**

EUH210 Safety data sheet available on request.

* **2.3 Other hazards**

* **Results of PBT and vPvB assessment**

* **PBT:** Not applicable.

* **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

* **3.2 Chemical characterisation: Mixtures**

* **Description:** Mixture of the substances listed below with harmless additions.

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*** Dangerous components:**

CAS: 14808-60-7 silica (quartz, respirable) 20-25%
EINECS: 238-878-4 STOT RE 1, H372

*** Additional information** For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures***** 4.1 Description of first aid measures***** General information** Immediately remove any clothing soiled by the product.*** After inhalation**

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

*** After skin contact**

Treat affected areas of skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.

If skin irritation continues, consult a doctor.

*** After eye contact** Rinse opened eye for several minutes under running water.*** After swallowing**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures*** 5.1 Extinguishing media***** Suitable extinguishing agents**

Water spray jet

Alcohol-resistant foam

Fire-extinguishing powder

Carbon dioxide

Use fire fighting measures that suit the environment.

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

Formation of toxic gases is possible during heating or in case of fire.

*** 5.3 Advice for firefighters***** Protective equipment:** Wear self-contained breathing apparatus.**SECTION 6: Accidental release measures***** 6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

*** 6.2 Environmental precautions:** Do not allow to enter the ground/soil.*** 6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

*** 6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

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

Use only in well ventilated areas.

No special measures required.

Ensure good ventilation/exhaust in workplaces.

Avoid the formation of aerosols.

*** Information about protection against explosions and fires:** No special requirements.

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*** 7.2 Conditions for safe storage, including any incompatibilities***** Storage***** Requirements to be met by storerooms and containers:** Prevent any penetration into the ground.*** Information on storage in a common storage facility:** Store away from food.*** Further information about storage conditions:**

Protect from frost.

Store dry.

Store container in a well ventilated position.

*** 7.3 Specific end use(s)** No further relevant information available.**SECTION 8: Exposure controls/personal protection***** Additional information about design of technical systems:** No further data; see item 7.*** 8.1 Control parameters***** Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with limit values that have to be monitored at the workplace.

*** Additional information:** The lists that were valid during compilation were used as a basis.*** 8.2 Exposure controls***** Personal protective equipment***** General protective and hygienic measures** Use skin protection cream for preventive skin protection.*** Respiratory equipment:**

Not necessary if room is well-ventilated.

In case of brief exposure or low pollution load, use respiratory protection equipment with filter. In case of intensive or longer exposure, use self-contained respiratory protection equipment.

*** Protection of hands:**

Impervious gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

*** Material of gloves**

Nitrile rubber, NBR

Butyl rubber, BR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

*** Eye protection:** Safety glasses recommended during refilling.**SECTION 9: Physical and chemical properties***** 9.1 Information on basic physical and chemical properties***** General Information***** Appearance:****Form:** Pasty**Colour:** White*** Odour:** Characteristic*** Odour threshold:** Not determined.*** pH-value:** Not determined.*** Change in condition****Melting point/Melting range:** Not determined**Boiling point/Boiling range:** Not determined*** Flash point:** > 100 °C*** Inflammability (solid, gaseous)** Not applicable.*** Ignition temperature:** not applicable

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| | |
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| * Decomposition temperature: | Not determined. |
| * Self-inflammability: | Product is not self-igniting. |
| * Danger of explosion: | Product is not explosive. |
| * Explosive Limits: | |
| Lower: | Not determined. |
| Upper: | Not determined. |
| * Vapour pressure at 20 °C: | < 100 hPa < 100 hPa |
| * Density at 20 °C | 1.22 g/cm ³ |
| * Relative density | Not determined. |
| * Vapour density | Not determined. |
| * Evaporation rate | Not determined. |
| * Solubility in / Miscibility with | |
| Water: | Not miscible or difficult to mix |
| * Distribution coefficient (n-octanol/water): | Not determined. |
| * Viscosity: | |
| dynamic at 20 °C: | 25000 mPas (Brookfield) |
| kinematic: | Not determined. |
| * Solvent separation test | < 3 % |
| * Organic solvents: | 0.0 % |
| * 9.2 Other information | No further relevant information available. |

SECTION 10: Stability and reactivity

- * **10.1 Reactivity** No further relevant information available.
- * **10.2 Chemical stability**
- * **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- * **10.3 Possibility of hazardous reactions** No dangerous reactions known
- * **10.4 Conditions to avoid** No further relevant information available.
- * **10.5 Incompatible materials:** No further relevant information available.
- * **10.6 Hazardous decomposition products:**
None if used properly.
None if stored properly.

SECTION 11: Toxicological information

- * **11.1 Information on toxicological effects**
- * **Acute toxicity:** Based on available data, the classification criteria are not met.
- * **LD/LC50 values that are relevant for classification:** No further relevant information available.
- * **Primary irritant effect:**
- * **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- * **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- * **Sensitisation:** Based on available data, the classification criteria are not met.
- * **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- * **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- * **Carcinogenicity** Based on available data, the classification criteria are not met.
- * **Reproductive toxicity** Based on available data, the classification criteria are not met.
- * **STOT-single exposure** Based on available data, the classification criteria are not met.
- * **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- * **Aspiration hazard** Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information

- * **12.1 Toxicity**
- * **Aquatic toxicity:** No further relevant information available.
- * **12.2 Persistence and degradability** No further relevant information available.
- * **12.3 Bioaccumulative potential** No further relevant information available.
- * **12.4 Mobility in soil** No further relevant information available.
- * **Additional ecological information:**
- * **General notes:** Do not allow product to reach ground water, bodies of water or sewage system.
- * **12.5 Results of PBT and vPvB assessment**
- * **PBT:** Not applicable.
- * **vPvB:** Not applicable.
- * **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- * **13.1 Waste treatment methods**
- * **Recommendation**
Not hardened material must be disposed of as hazardous waste according to official regulations.
Hardened product remains may be disposed of as building rubble or put into household garbage.
- * **European waste catalogue**
08 01 20 aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19
- * **Uncleaned packaging:**
- * **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|--|
| * 14.1 UN-Number | |
| * ADR, ADN, IMDG, IATA | Void |
| * 14.2 UN proper shipping name | |
| * ADR, ADN, IMDG, IATA | Void |
| * 14.3 Transport hazard class(es) | |
| * ADR, ADN, IMDG, IATA | |
| * Class | Void |
| * 14.4 Packing group | |
| * ADR, IMDG, IATA | Void |
| * 14.5 Environmental hazards: | |
| * Marine pollutant: | No |
| * 14.6 Special precautions for user | Not applicable. |
| * 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| * Transport/Additional information: | Not a hazardous good according to the above regulations. |
| * UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- * **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- * **Directive 2012/18/EU**
- * **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- * **National regulations**
- * **Other regulations, limitations and prohibition ordinances**
Observe the usual protective measures when working and for storage.
- * **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

This data is based on our present state of knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally valid contractual relationship. Delivery specifications are found in the respective Technical Information Sheets.

*** Relevant phrases**

H372 Causes damage to organs through prolonged or repeated exposure.

*** Department issuing data specification sheet:** Product Safety department / EHS

*** Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1