

Product Information Sheet

Commercial Product Name: FFRS Fire Rated Silicone

Revision date: 28.05.2015

Version: 1.0/en



Print date: 28.05.2015

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

Product identifier

Commercial Product Name FFRS Fire Rated Silicone

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

Relevant identified uses Sealant

Recommended restrictions None under normal processing.

Details of the supplier of the product safety information

Company designation fischerwerke GmbH & Co. KG
Klaus-Fischer-Straße 1
D-72178 Waldachtal
Telephone: +49(0)7443 12-0
FAX: +49(0)7443 12-4222
Email: info-sdb@fischer.de

Emergency telephone number

Emergency telephone number +49(0)6132-84463 (24h)

2. Hazards identification

Classification of the substance or mixture

Classification according to Directive 67/548/EEC / 1999/45/EEC This product is not classified as dangerous according to 67/548/EEC / 1999/45/EEC.

Classification according to Regulation (EC) No. 1272/2008 This product is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] The product does not have to be labelled according to Regulation (EC) No. 1272/2008 [CLP].

3. Composition/information on ingredients

Hazardous ingredients

Ingredient		Classification (EEC) No 67/548	Concentration
		Classification (EC) 1272/2008	
trimethoxyvinylsilane	CAS No.: 2768-02-7 EC-No.: 220-449-8	R10 Xn; R20	2.5 - 10.0 % by weight
		Flam. Liq. 3; H226 Acute Tox. 4; H332	
bis(ethyl acetoacetato-O1',O3)bis(2-methylpropan-1-olato)titanium	CAS No.: 83877-91-2 EC-No.: 281-161-6	R10 Xi; R36/38	2.5 - 10.0 % by weight
		This substance is classified as not hazardous according to regulation (EC) No. 1272/2008 [CLP].	

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Ingredient		Classification (EEC) No 67/548	Concentration
		Classification (EC) 1272/2008	
methanol	CAS No.: 67-56-1 EC-No.: 200-659-6 Index-No.: 603-001-00-X	F; R11 T; R23/24/25-39/23/24/25 Flam. Liq. 2; H225 Acute Tox. 3 ; H331 Acute Tox. 3 ; H311 Acute Tox. 3 ; H301 STOT SE 1; H370	< 2.5 % by weight

4. First aid measures

Description of first aid measures

General advice	If symptoms persist, call a physician. Remove/Take off immediately all contaminated clothing.
If inhaled	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
In case of skin contact	IF ON SKIN: Gently wash with plenty of soap and water.
In case of eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If swallowed	If swallowed, seek medical advice immediately and show this container or label. Clean mouth with water and drink afterwards plenty of water. Drink 1 or 2 glasses of water. Do NOT induce vomiting.

Indication of any immediate medical attention and special treatment needed

Immediate medical attention	No data available
Special medical treatment	No data available

5. Firefighting measures

Extinguishing media

Suitable extinguishing media	Carbon dioxide (CO2) Dry powder Foam Water spray jet
Extinguishing media which must not be used for safety reasons	High volume water jet

Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases	Heating or fire can release toxic gas.
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Advice for firefighters

Special protective equipment for firefighting	In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes.
Additional information on fire-fighting	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Keep containers and surroundings cool with water spray. Container may rupture on heating.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation, especially in confined areas. Keep people away from and upwind of spill/leak.
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Environmental precautions

Environmental precautions	The product should not be allowed to enter drains, water courses or the soil. Prevent spreading over a wide area (e.g. by containment or oil barriers).
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Methods and material for containment and cleaning up

Methods for cleaning up	Use mechanical handling equipment. Treat recovered material as described in the section "Disposal considerations".
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Reference to other sections

Reference to other sections	See chapter 8/13
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Additional information

Other information	Dispose of in accordance with local regulations.
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7. Handling and storage

Precautions for safe handling

Advice on safe handling	None under normal processing.
Advice on protection against fire and explosion	No special precautions required.

Conditions for safe storage, including any incompatibilities

Storage space and container requirements	Keep containers tightly closed in a cool, well-ventilated place. Store in accordance with local regulations. Keep only in original container.
Hints on storage assembly	Store in accordance with the particular national regulations.
German storage class	10-13 (TRGS 510)

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Specific end use(s)

Specific use(s) Sealant

8. Exposure controls/personal protection

Control parameters

METHANOL

Great Britain

Long-term exposure value/ ppm	Long-term exposure value/ mg/m ³	Short-term exposure value / ppm	Short-term exposure value / mg/m ³	Remarks	Source
200	266	250	333	Can be absorbed through the skin.	19

Source: 19 - EH40/2005 Workplace exposure limits (2011)

Europe

Long-term exposure value/ mg/m ³	Long-term exposure value/ ppm	Note	Issuing date	Source
260	200	Skin	2006/15	24

Source: 24 - DIRECTIVE 2009/161/EU

Exposure controls

Respiratory protection	No personal respiratory protective equipment normally required.
Hand protection	not required under normal use
Suitable material:	butyl-rubber, Chloroprene, Nitrile rubber
Unsuitable material:	PVC disposable gloves
Material thickness:	adjust to application and duration of use
Break through time:	adjust to application and duration of use
Remarks:	Replace when worn. Request information on glove permeation properties from the glove supplier. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).
Eye protection	Tightly fitting safety goggles
Skin and body protection	Wear suitable protective equipment.
Note:	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
General protective and hygiene measures	Smoking, eating and drinking should be prohibited in the application area. Avoid contact with skin, eyes and clothing.

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Take off all contaminated clothing immediately.
Wash hands before breaks and at the end of workday.
Keep away from food, drink and animal feedingstuffs.
Use protective skin cream before handling the product.

Information on environmental protection regulations

No special environmental precautions required.

9. Physical and chemical properties

Information on basic physical and chemical properties

Form	paste
Colour	various
Additional information on colour:	Take care of instructions on label.
Boiling point [°C]	> 100
Flash point [°C]	> 93
Relative density	1,3
Water solubility [g/l]	insoluble

10. Stability and reactivity

Reactivity

Thermal decomposition No decomposition if stored and applied as directed.

Chemical stability

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid

Conditions to avoid No decomposition if used as directed.

Incompatible materials

Materials to avoid None known.

Hazardous decomposition products

Hazardous decomposition products No decomposition if used as directed.

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11. Toxicological information

Additional information

Other information (chapter 11.) There is no data available for this product.

12. Ecological information

Toxicity

Aquatic toxicity [mg/l] There are no data available on the mixture itself.

Persistence and degradability

Biodegradability

Remarks: No data available

Bioaccumulative potential

Bioaccumulation no data available

Mobility in soil

Mobility

Mobility: No data available

Results of PBT and vPvB assessment

Results of PBT characteristics determination This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

Other adverse effects

Further information on ecology No information on ecology is available.

13. Disposal considerations

Waste treatment methods

Disposal considerations Dispose of waste according to applicable legislation.
The product should not be allowed to enter drains, water courses or the soil.

Waste Code The following Waste Codes are only suggestions:
200000 – MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

Uncleaned empty packaging Dispose of as unused product.

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14. Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	Not applicable.	Not applicable.	Not applicable.
14.2 Description of the goods	Non-dangerous goods	Non-dangerous goods	Non-dangerous goods
14.2 UN proper shipping name		Non dangerous good	Non dangerous good
14.3 Transport hazard class(es)	Not applicable.	Not applicable.	Not applicable.
14.4 Packaging group	Not applicable.	Not applicable.	Not applicable.
14.5 Environmental hazards	Not applicable.	Not applicable.	Not applicable.
Proper shipping name	Non dangerous good		

Special precautions for user

Precautions not required under normal use

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code not applicable

Additional information

Other information (chapter 14.) Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

15. Regulatory information

Chemical safety assessment

Safety assessment Not relevant. Chemical safety assessments for substances in this mixture were not carried out.

16. Other information

Relevant R-phrases
R10: Flammable.
R11: Highly flammable.
R20: Harmful by inhalation.
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
R36/38: Irritating to eyes and skin.
R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Relevant H-phrases
H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
H332: Harmful if inhaled.

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	H370: Causes damage to organs .
Wording of the hazard classes	Flam. Liq.: Flammable liquid Acute Tox.: Acute toxicity STOT SE: Specific target organ toxicity – single exposure
Recommended restrictions	None under normal processing.

This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.