

# Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: High Temperature Silicone Premium DHS



innovative solutions

Revision Date: 22.04.2020

Version: 4/en

Replaces version from: 31.01.2020

Print date: 30.06.2020

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

### **1.1 Product identifier**

Commercial Product Name                      **High Temperature Silicone Premium DHS**

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

Relevant identified uses                      Sealing joints of stoves and fuels (metal, glass). Sealing joints of heating boilers and industrial furnaces. Sealing joints of pipes and ducts subjected to high temperatures. Sealing joints of exhaust boxes and ventilation grilles (masonry and concrete).

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

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  
Internet: www.fischer.de

Marketer    Great Britain: Mrs Mirka Valovicova, fischer Fixing (UK) Ltd  
Hithercroft Road  
Wallingford, Oxfordshire, OX10 9AT  
Telephone: +44 01491 827 920  
FAX: +44 01491 827 950  
Internet: www.fischer.co.uk

### **1.4 Emergency telephone number**

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

## **SECTION 2: Hazards identification**

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

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

### **2.2 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].

\*Further information                              EUH210: Safety data sheet available on request.

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## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

Ingredient	CAS No.	Classification (EC) 1272/2008	Concentration
triacetoxyethylsilane	CAS No.: 17689-77-9 EC-No.: 241-677-4 *REACH No.: 01-2119881778-15	*Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 EUH014	1.0 - 5.0 % by weight

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

*General advice	Call a doctor if you feel unwell. Take off immediately all contaminated clothing.
*If inhaled	IF INHALED: If breathing is difficult, 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	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
*If swallowed	If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label. If swallowed, rinse mouth with water (only if the person is conscious).

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

*Symptoms	No known symptoms to date.
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### 4.3 Indication of any immediate medical attention and special treatment needed

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

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

*Suitable extinguishing media	carbon dioxide Extinguishing powder Foam Water spray jet
*Extinguishing media which must not be used for safety reasons	Full water jet

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

\*Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases      Gases/vapours, toxic

### 5.3 Advice for firefighters

\*Special protective equipment for firefighting      In case of fire: Wear self-contained breathing apparatus.  
In case of fire and/or explosion do not breathe fumes.

\*Additional information on firefighting      Do not allow water used to extinguish fire to enter drains, ground or waterways.  
Use water spray jet to protect personnel and to cool endangered containers. Danger of bursting container.

## SECTION 6: Accidental release measures

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

\*Personal precautions      Provide for good room ventilation.

### 6.2 Environmental precautions

\*Environmental precautions      Do not allow to enter into surface water or drains.  
Prevent spread over a wide area (e.g. by containment or oil barriers).

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

\*Methods for cleaning up      Allow stiffening. Take up mechanically.  
Treat the recovered material as prescribed in the section on waste disposal.

### 6.4 Reference to other sections

\*Reference to other sections      Disposal: see section 13  
Safe handling: see section 7  
See section 8.

### 6.5 Additional information

\*Other information      Dispose of waste according to applicable legislation.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

\*Advice on safe handling      No special handling advices are necessary.

\*Advice on protection against fire and explosion      No special measures are necessary.

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

\*Storage space and container requirements      Keep container tightly closed and in a well-ventilated place.  
Keep only in the original container.

\*Hints on storage assembly      Observe in addition any national regulations!

TRGS 510      LGK 10-13

### 7.3 Specific end use(s)

Specific use(s)      Further information: see technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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

### 8.2 Exposure controls

\*Respiratory protection      Usually no personal respirative protection necessary.

\*Hand protection

Suitable material      Butyl caoutchouc (butyl rubber), NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber)

Unsuitable material      PVC or rubber gloves are not recommended.

Material thickness       $\geq 0,5$  mm

Break through time       $>120$  min

Remarks      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). Replace when worn.

\*Eye protection      Wear closely fitting protective glasses in case of splashes.

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      Do not eat, drink or smoke when using this product.  
Avoid contact with skin, eyes and clothes.  
Take off immediately all contaminated clothing.  
Wash hands before breaks and after work.  
Keep away from food, drink and animal feedingstuffs.  
Use protective skin cream before handling the product.

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\*Information on environmental protection regulations No special environmental measures are necessary.

Engineering measures Not applicable.

## **SECTION 9: Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

Form	paste
Colour	red
*Odour	of vinegar
Odour threshold	not determined
pH	not determined No data available
*Melting point [°C] / Freezing point [°C]	not determined
*Boiling point [°C]	not determined
Evaporation rate [kg/(s*m <sup>2</sup> )]	No data available
Explosion limits [Vol-% ]	
Lower limit	not determined
Upper limit	not determined
Vapour pressure [kPa]	not determined
*Density [g/cm <sup>3</sup> ]	1,07
Water solubility [g/l]	insoluble
Solubility [g/l]	No data available
Partition coefficient n-octanol /water (log P O/W)	No data available
Autoignition temperature [°C]	not determined
*Autoinflammability	not relevant
*Viscosity, dynamic [kg/(m*s)]	800
*Risk of explosion.	not explosive.

### **9.2 Other information**

*Ignition temperature [°C]	400
*Solvent separation test [%]	< 3

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## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

\*Thermal decomposition No hazardous reaction when handled and stored according to provisions.

### **10.2 Chemical stability**

\*Chemical stability Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

### **10.3 Possibility of hazardous reactions**

\*Hazardous reactions No hazardous reaction when handled and stored according to provisions.

### **10.4 Conditions to avoid**

\*Conditions to avoid The mixture is chemically stable under recommended conditions of storage, use and temperature.

### **10.5 Incompatible materials**

\*Materials to avoid No hazardous reaction when handled and stored according to provisions.

### **10.6 Hazardous decomposition products**

\*Hazardous decomposition products Acetic acid  
No decomposition if used as directed.  
No known hazardous decomposition products.

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

Oral toxicity [mg/kg]

Hazardous ingredients

* triacetoxymethylsilane			
Value	Test criterion	Test species	Source
1460	LD50 (OECD 401)	Rat	Company data

\*Irritant effect on skin No skin irritation

\*Irritant effect on eyes No eye irritation

\*Sensitization No sensitization responses were observed.

### **11.2 Additional information**

\*Other information (chapter 11.) The product has not been tested.

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Toxicity to fish [mg/l]

##### Hazardous ingredients

###### \* triacetoxylethylsilane

Value	Test criterion	Test species	Exposure duration	Source
251	LC50	Brachydanio rerio (zebra-fish)	96 h	Company data

#### Toxicity to daphnia [mg/l]

##### Hazardous ingredients

###### \* triacetoxylethylsilane

Value	Test criterion	Test species	Exposure duration	Source
169	EC50	Daphnia magna (Big water flea)	48 h	Company data

#### Toxicity to algae [mg/l]

##### Hazardous ingredients

###### \* triacetoxylethylsilane

Value	Test criterion	Test species	Source
210	EC50	Pseudokirchneriella subcapitata	Company data

### 12.2 Persistence and degradability

\*Elimination and distribution mechanisms There are no data available on the mixture itself.

\*Elimination in purification plant No data available

\*Biodegradability No data available

### 12.3 Bioaccumulative potential

\*Bioaccumulation There are no data available on the mixture itself.

\*Bioconcentration factor (BCF) No data available

### 12.4 Mobility in soil

\*Distribution in the environment No data available

\*Mobility No data available

### 12.5 Results of PBT and vPvB assessment

\*Results of PBT characteristics determination not persistent.

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This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## 12.6 Other adverse effects

\*Further information on ecology There are no data available on the mixture itself.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

\*Disposal considerations Do not allow to enter into surface water or drains.  
Dispose of waste according to applicable legislation.  
Empty remaining contents.

Waste Code According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.  
The following Waste Codes are only suggestions:  
Product (Mortar and Curing agent)  
200127 - paint, inks, adhesives and resins containing dangerous substances  
080409 - waste adhesives and sealants containing organic solvents or other dangerous substances  
cured material and completely squeezed cartridges  
200000 - MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS

## SECTION 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	No dangerous good according to ADR	No dangerous good according to IMDG	No dangerous good according to IATA
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.
14.2 UN proper shipping name		Non dangerous good	Non dangerous good

## SECTION 15: Regulatory information

### 15.2 Chemical safety assessment

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

## SECTION 16: Other information

Modifications since last version Modifications of the previous version are denoted with an asterisk (\*).



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Relevant H-phrases

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

Wording of the hazard classes

Acute Tox.: Acute toxicity

Eye Dam.: Serious eye damage

This product is classified as not hazardous according to regulation EC CLP

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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.