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

1.1 Product identifier

Commercial Product Name: B1 Silicone Premium DFS

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

* Relevant identified uses: Seals along chimney flashing. Seals along roofing materials made of bitumen and plastic films. Selas on gutters made of metal or plastic. Seals at antenna and ventilation ducts.

Recommended restrictions: None under normal processing. Observe technical data sheet.

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, Tel. 01491 827 920, Fax 01491 827 950

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

EUH208: Contains 2-butanone oxime, 3-aminopropyltrioethylxysilane. May produce an allergic reaction.

EUH210: Safety data sheet available on request.
SECTION 3: Composition/information on ingredients

Hazardous ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Classification (EC) 1272/2008</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butanone oxime</td>
<td>Carc. 2; H351 Acute Tox. 4; H312 Eye Dam. 1; H318 Skin Sens. 1; H317</td>
<td>&lt; 1.0 % by weight</td>
</tr>
<tr>
<td>3-aminopropyltriethoxysilane</td>
<td>Acute Tox. 4; H302 Skin Corr. 1B; H314 Skin Sens. 1; H317</td>
<td>&lt; 1.0 % by weight</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1 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.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms
None known.

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 (CO2)
Dry powder
Foam
Water spray jet
Extinguishing media which must not be used for safety reasons: High volume water jet.

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:
Heating or fire can release toxic gas.

5.3 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 firefighting:
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.

SECTION 6: Accidental release measures

6.1 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.

6.2 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).

6.3 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".

6.4 Reference to other sections
Reference to other sections:
See chapter 7/8/13

6.5 Additional information
Other information:
Dispose of in accordance with local regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Advice on safe handling:
None under normal processing.
Advice on protection against fire and explosion

No special precautions required.

7.2 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.

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
No personal respiratory protective equipment normally required.

Hand protection
Suitable material: butyl-rubber, Nitrile rubber, Chloroprene
Unsuitable material: PVC disposable gloves
Material thickness: >= 0,5 mm
Break through time: >120 min
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.
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.

Engineering measures
Not applicable.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>paste</td>
</tr>
<tr>
<td>Colour</td>
<td>various</td>
</tr>
<tr>
<td>Additional information on colour:</td>
<td>see label</td>
</tr>
<tr>
<td>Odour</td>
<td>characteristic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>not determined</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point [°C] / Freezing point [°C]</td>
<td>not determined</td>
</tr>
<tr>
<td>Boiling point [°C]</td>
<td>301</td>
</tr>
<tr>
<td>Flash point [°C]</td>
<td>&lt; 100</td>
</tr>
<tr>
<td>Evaporation rate [kg/(s*m²)]</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits [Vol-% ]</td>
<td></td>
</tr>
<tr>
<td>Lower limit</td>
<td>not determined</td>
</tr>
<tr>
<td>Upper limit</td>
<td>not determined</td>
</tr>
<tr>
<td>Vapour pressure [kPa]</td>
<td>100</td>
</tr>
<tr>
<td>Temperature</td>
<td>20 °C</td>
</tr>
<tr>
<td>Density [g/cm³]</td>
<td>1,24</td>
</tr>
<tr>
<td>Water solubility [g/l]</td>
<td>insoluble</td>
</tr>
<tr>
<td>Solubility [g/l]</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient n–octanol / water (log P O/W)</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature [°C]</td>
<td>not determined</td>
</tr>
<tr>
<td>Autoinflammability</td>
<td>not auto–flammable</td>
</tr>
<tr>
<td>Viscosity, dynamic [kg/(m*s)]</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Risk of explosion. Not explosive

9.2 Other information
* Ignition temperature [°C] > 200

SECTION 10: Stability and reactivity

10.1 Reactivity
Thermal decomposition No decomposition if stored and applied as directed.

10.2 Chemical stability
Chemical stability Stable under recommended storage conditions.

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

10.4 Conditions to avoid
Conditions to avoid No decomposition if used as directed.

10.5 Incompatible materials
Materials to avoid No decomposition if used as directed.

10.6 Hazardous decomposition products
Hazardous decomposition products No decomposition if used as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects
Hazardous ingredients

butanone-oxime

<table>
<thead>
<tr>
<th>Oral toxicity [mg/kg]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>3700</td>
<td>LD50</td>
<td>Rat.</td>
<td>100</td>
</tr>
<tr>
<td><strong>Source</strong> : 100 – 100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dermal toxicity [mg/kg]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 200</td>
<td>LD50</td>
<td>rat</td>
<td>100</td>
</tr>
<tr>
<td><strong>Source</strong> : 100 – 100</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inhalative toxicity [mg/l]</th>
<th>Test criterion</th>
<th>Test species</th>
<th>Exposure duration</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>LC50</td>
<td>rat</td>
<td>4 h</td>
<td>100</td>
</tr>
<tr>
<td><strong>Source</strong> : 100 – 100</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
11.2 Additional information
Other information (chapter 11.) There is no data available for this product.

SECTION 12: Ecological information

12.1 Toxicity

12.2 Persistence and degradability
Elimination and distribution mechanisms There is no data available for this product.
Elimination in purification plant There is no data available for this product.
Biodegradability There is no data available for this product.

12.3 Bioaccumulative potential
Bioaccumulation There is no data available for this product.
Bioconcentration factor (BCF) There is no data available for this product.

12.4 Mobility in soil
Distribution in the environment There is no data available for this product.
Mobility There is no data available for this product.

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

12.6 Other adverse effects
Further information on ecology No information on ecology is available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Disposal considerations The product should not be allowed to enter drains, water courses or the soil.
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

<table>
<thead>
<tr>
<th></th>
<th>Land transport ADR/RID</th>
<th>Marine transport IMDG</th>
<th>Air transport ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 Description of the goods</td>
<td>No dangerous good according to ADR</td>
<td>No dangerous good according to IMDG</td>
<td>No dangerous good according to IATA</td>
</tr>
<tr>
<td>14.2 UN proper shipping name</td>
<td>Non dangerous good</td>
<td>Non dangerous good</td>
<td>Non dangerous good</td>
</tr>
</tbody>
</table>

14.8 Additional information

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

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Water hazard class (self-classification) 1

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

Relevant H-phrases

H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H351: Suspected of causing cancer.
EUH208: Contains 2-butanone oxime, 3-aminopropyltriethoxysilane. May produce an allergic reaction.
EUH210: Safety data sheet available on request.

Wording of the hazard classes

Carc.: Carcinogenicity
Acute Tox.: Acute toxicity
Eye Dam.: Serious eye damage
Skin Sens.: Skin sensitization
Skin Corr.: Skin corrosion
Modifications since last version  Modifications of the previous version are denoted with an asterisk (*).
Recommended restrictions  None under normal processing. Observe technical data sheet.

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.