FIRE RESISTANT SILICONE SEALANT

Revision Date: 01/06/17
The SDS is provided for non-hazardous material for information purposes only and is not intended to be in compliance with EU requirements for hazardous substances.

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

1.1 Product identifier
Fire Resistant Silicone Sealant

1.2 Identified use of product
Designed for use in a variety of joint configurations, including expansion and construction joints in walls and cladding panels, sealing of service penetrations, roofing and conservatory applications.

1.3 Details of Company
ROCKWOOL® Pencoed, Bridgend, CF35 6NY
Tel: 01656 862621 Fax: 01656 862302

1.4 Emergency telephone number
ROCKWOOL® Ltd Customer Support 9am-5pm
Tel: 01656 862621 Email: SDS@rockwool.com

2. Hazards identification

2.1 Classification of the mixture

2.1.1 Regulation EC 1272/2008
This product is not classified as dangerous according to Regulation (EC) 1272/2008 (CLP)

2.2. Label elements

2.2.1 Regulation EC 1272/2008
Contains N-[3-(dimethoxymethylsilyl)propyl]-ethylenediamine. May cause an allergic reaction. EUH210 Safety data sheet available on request.

2.3. Other hazards
This product does not contain any PBT or vPvB substances Evolves Methanol during cure.

3. Composition/information on ingredients
See table at bottom of page.

4. First aid measures

4.1 General:
In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Skin contact:
Wash skin thoroughly with soap and water or a recognised skin cleaner. DO NOT USE SOLVENT OR THINNERS. Seek medical attention if irritation persists.

Eye contact:
Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding eyelids apart, and seek medical advice.

Ingestion:
If accidentally swallowed wash mouth with water and give large volumes of water to drink. DO NOT induce vomiting. Seek medical attention.

Inhalation:
Remove to fresh air. If symptoms persist, or if in doubt, seek medical attention.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>REACH registration No.</th>
<th>Classification According to Reg. (EC) 1278/2008 (CLP)</th>
<th>%W/W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trimethoxyvinylsilane</td>
<td>2768-02-7</td>
<td>220-449-8</td>
<td>01-2119513215-52</td>
<td>Flam. Liq. 3 H226; Acute Tox. 4; inhalation H332</td>
<td>&lt;2</td>
</tr>
<tr>
<td>N-[3-(dimethoxymethylsilyl)propyl]-ethylenediamine</td>
<td>3069-29-2</td>
<td>221-336-6</td>
<td>01-2119963926-21</td>
<td>Skin sens. 1A H317; Eye dam. 1 H318; Acute tox. 4 H302; Skin irr. 2 H315</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>200-659-6</td>
<td>01-2119433307-44</td>
<td>Flam. Liq. 2 H225; STOT SE 1 H370; Acute tox 3; inhalation H331; Dermal H311; Oral H301</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>
4.2 Most important symptoms and effects

Skin contact:
Prolonged contact may cause irritation and dry skin.

Eye contact:
May cause eye irritation.

Ingestion:
Possible discomfort.

5. Firefighting measures

5.1. Extinguishing media
Foam, CO2, powder, water spray/mist.

5.2. Special hazards
Contains organic compound so black smoke and carbon monoxide and carbon dioxide will be released in a fire.

5.3. Advice for firefighters
Do not allow run off from fire-fighting to enter drains or water courses. Wear self-contained breathing apparatus.

6. Accidental release measures

6.1. Personal precautions and protective equipment
Avoid skin and eye contact. Wear personal protective equipment. Ensure adequate ventilation.

6.2. Environmental precautions
Do not allow to enter drains or water courses.

6.3. Method for containment and clean up
Contain and collect spillages and place in a suitable container for disposal in accordance with the waste regulations (see section 13). Cured product is non-hazardous.

7. Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited during use. For personal protection see Section 8. Keep away from sources of ignition. Take precautions to avoid static electricity discharge.

The Manual Handling Operations Regulations may apply to the handling of containers/packages of this product. In order to calculate the weight of any pack size, multiply the volume in litres by the specific gravity value given in Section 9. This will give the net weight of the product in kilograms.

7.2. Precautions for safe storage

8. Exposure controls/personal protection

8.1. Control Parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>Occupational Exposure Limits</th>
<th>Notations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>8 hr LTEL (1) 250 ppm 333 mgm⁻³</td>
<td>EH40 WEL TWA</td>
</tr>
<tr>
<td></td>
<td>15 min STEL(2) 250 ppm 333 mgm⁻³</td>
<td></td>
</tr>
</tbody>
</table>

(1) Long-term exposure limit - 8 hour time weighted average.
(2) Short-term exposure limit - 15 mins time weighted average.
(3) Occupational Exposure Standard (OES)
(M) Maximum Exposure Limit (MEL)
Time weighted average (TWA)
® Recommended by suppliers

8.2. Exposure Controls

Engineering Measures:
Provide adequate ventilation during application and drying.

Respiratory equipment:
If ventilation is insufficient suitable respiratory protective equipment must be worn.

Skin & Hand protection:
Wear suitable protective clothing and plastic or rubber gloves.

Eye protection:
Eye protection designed to protect against liquid splashes should be worn. Equipment should conform to EN166.

Hygiene measures:
When using do not eat drink or smoke. Wash hands before eating, drinking, smoking or using the toilet.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Viscous paste
Odour: Slight aromatic
Flash point: N/A
Specific gravity: 1.36-1.40 @ 20°C
Solubility: Not soluble in water
Service Temp range: -30 to +150°C
10. Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability
Stable under normal temperature and storage conditions.

10.3. Possibility of hazardous reactions
No hazardous reactions known.

11. Toxicological information

11.1. Acute oral toxicity:

<table>
<thead>
<tr>
<th>Hazardous components CAS-No.</th>
<th>Value type</th>
<th>Value Mg/kg</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trimethoxyvinylsilane</td>
<td>LD50</td>
<td>7.120</td>
<td>Oral</td>
<td>Rat</td>
<td>OECD Guideline 401 (Acute Oral Toxicity)</td>
<td></td>
</tr>
<tr>
<td>N-[3-(dimethoxymethylsilyl)propyl]-ethylenediamine</td>
<td>LD50</td>
<td>200-2000</td>
<td>Oral</td>
<td>Rat</td>
<td>OECD Guideline 423 (Acute Oral Toxicity)</td>
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</tr>
<tr>
<td>Methanol 67-56-1</td>
<td>100</td>
<td>Oral</td>
<td>Expert judgement</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

11.2. Acute inhalative toxicity:

<table>
<thead>
<tr>
<th>Hazardous components CAS-No.</th>
<th>Value type</th>
<th>Value Mg/kg</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trimethoxyvinylsilane</td>
<td>LC50</td>
<td>16.8</td>
<td>Vapour</td>
<td>Rat</td>
<td>OECD Guideline 403 (Acute Inhalative Toxicity)</td>
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</tr>
<tr>
<td>Methanol 67-56-1</td>
<td>ATE</td>
<td>3</td>
<td>Vapour</td>
<td>Expert judgement</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

11.3. Acute dermal toxicity:

<table>
<thead>
<tr>
<th>Hazardous components CAS-No.</th>
<th>Value type</th>
<th>Value Mg/kg</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trimethoxyvinylsilane 2768-02-7</td>
<td>LD50</td>
<td>3.540</td>
<td>Dermal</td>
<td>Rabbit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>N-[3-(dimethoxymethylsilyl)propyl]-ethylenediamine 3069-29-2</td>
<td>LD50</td>
<td>15.52</td>
<td>Dermal</td>
<td>Rabbit</td>
<td></td>
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</tbody>
</table>

12. Ecological information

12.1. Ecotoxicity

<table>
<thead>
<tr>
<th>Hazardous components CAS-No.</th>
<th>Value type</th>
<th>Value Mg/kg</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trimethoxyvinylsilane 2768-02-7</td>
<td>LC50</td>
<td>191</td>
<td>96</td>
<td>Fish</td>
<td>OECD Guideline 203 (Acute Toxicity Test)</td>
<td></td>
</tr>
<tr>
<td>N-[3-(dimethoxymethylsilyl)propyl]-ethylenediamine 3069-29-2</td>
<td>LC50</td>
<td>168</td>
<td>96</td>
<td>Fish</td>
<td>OECD Guideline 203 (Acute Toxicity Test)</td>
<td></td>
</tr>
<tr>
<td>Methanol 67-56-1</td>
<td>LC50</td>
<td>&gt;1000</td>
<td>96</td>
<td>Fish</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
12.2. Persistence and degradability
Biodegradation 80% (28d) aerobic. Readily biodegradable.

12.3. Bio accumulative potential
No data available

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment
No PBT or vPvB materials present

12.6. Other adverse effects
Not available

13. Disposal considerations
13.1. Waste treatment methods
Dispose of this material as hazardous or special waste in accordance with local or national requirements. Cured product is non-hazardous and can be disposed of as household waste. Dispose of contaminated packaging as product.

14. Transport information
This product is not covered by International regulation on the transport of dangerous goods.

14.1. UN number
N/A

14.2. Proper shipping name
N/A

14.3. Transport hazard class
See 14.2

14.4. Packing group
See 14.2

14.5. Environmental hazards
Not classed as Marine pollutant

14.6. Special precautions for users
No. see section 7

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC code
Not applicable

15. Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Control of Substances Hazardous to Health Regulations 1999
Environment Act 1995
Management of Health and Safety at Work Regulations 1999
Personal Protective Equipment at Work Regulations 1992
Special Waste Regulations 1996 as amended

HEALTH AND SAFETY EXECUTIVE GUIDANCE NOTES
HS(G)37 An Introduction to Local Exhaust Ventilation
EH40 Occupational Exposure Limits
EH44 Dust: General Principles of Protection
HS(G)53 The Selection, Use and Maintenance of Respiratory Protective Equipment
HS(G)71 Storage of Packaged Dangerous Substances
HS(G)193 COSHH Essentials: easy steps to control chemicals
L23 Manual Handling Guidance on Regulations

BRITISH STANDARDS PUBLICATIONS
EN420: General Requirements for Gloves
EN166: Personal Eye Protection: Specifications
BS2092: Eye Protection for Industrial and Non-Industrial Users
BS4275: Recommendations for the Selection, Use and Maintenance of Respiratory Protective Equipment

15.2. Chemical safety assessment

16. Other information
Symbols and text of the H phrases in section 2:
H225 Highly flammable liquid and vapour
H226 Flammable liquid and vapour
H301 Toxic if swallowed
H302 Harmful if swallowed
H311 Toxic in contact with skin
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H331 Toxic if inhaled
H332 Harmful if inhaled
H370 Causes damage to organs

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of (EC)
Regulation 1272/2008 (CLP). The product should not be used for purposes other than those identified without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular application.

The information is current as of June 2017