

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.

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

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 personnel 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

Keep containers closed when not in use. Observe label precautions - Store between 5°C and 25°C in a dry well-ventilated place away from sources of heat. Protect from frost. Keep out of reach of children. Store separately from oxidising agents and strongly acidic materials.

8. Exposure controls/personal protection

8.1. Control Parameters

EXPOSURE LIMITS:

Substance	Occupational Exposure Limits				Notations
Methanol	8 hr LTEL (1)		15 min STEL(2)		EH40 WEL
	ppm	mgm ⁻³	ppm	mgm ⁻³	
			250	333	
Methanol			200	266	TWA

(1) Long-term exposure limit - 8 hour time weighted average.

(2) Short-term exposure limit - 15 mins time weighted average.

(S) 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.

10.4. Conditions to avoid

Strong acids, bases and oxidising materials.

10.5. Incompatible materials

See section 10.4.

10.6. Hazardous decomposition products

See section 5.

11. Toxicological information

Acute oral toxicity:

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

Acute inhalative toxicity:

Hazardous components CAS-No.	Value type	Value Mg/kg	Route of application	Exposure time	Species	Method
Trimethoxyvinylsilane	LC50	16.8	Vapour		Rat	OECD Guideline 403 (Acute inhalative toxicity)
Methanol 67-56-1	ATE	3	Vapour			Expert judgement

Acute dermal toxicity:

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

12. Ecological information

12.1. Ecotoxicity

Hazardous components CAS-No.	Value type	Value Mg/kg	Route of application	Exposure time	Species	Method
Trimethoxyvinylsilane 2768-02-7	LC50	191		96	Fish	OECD Guideline 203 (Acute Toxicity Test)
N-[3-(dimethoxymethylsilyl)propyl]-ethylenediamine 3069-29-2	LC50	168		96	Fish	OECD Guideline 203 (Acute Toxicity Test)
Methanol 67-56-1	LC50	>1000		96	Fish	

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