

PFC COROFIL FIRE RESISTANT SILICONE SEALANT

Safety Data Sheet

Revision Date: 23/03/17

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.

Section 1: Identification of the Product Substance / Mixture and of the Company

- 1.1. Product Identifier:** PFC Corofil 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. Company:** PFC Corofil
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Section 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.

Section 3: Composition / Information on Ingredients

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 irrit. 2 H315	<1
Methanol	67-56-1	200-659-6	01-2119433307-44	Flam. Liq. 2 H225 STOT SE 1 370 Acute tox 3; inhalation H331; Dermal H311; Oral H301	<1

Section 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.

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.

Section 5: Fire-fighting 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.

Section 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.

Section 7: Handling & 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.

Section 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.

Section 9: Physical & 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

Section 10: Stability & 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

Section 11: Toxicological Information

Acute Oral toxicity:

Hazardous components CAS-No.	Value type	Value Mg/kg	Route of application	Exposure time	Species	Method
Trimethoxyvinylsilane 2768-02-7	LD50	7.120	Oral		Rat	OECD Guideline 401 (Acute Oral Toxicity)
N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine 3069-29-2	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/ltr	Route of application	Exposure time	Species	Method
Trimethoxyvinylsilane 2768-02-7	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	

Section 12: Ecological Information

12.1. Ecotoxicity

Hazardous components CAS-No.	Value type	Value Mg/ltr	Route of application	Exposure time hr	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 degradeability: 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

Section 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.

Section 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

Section 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

Section 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 March 2017. Please contact PFC Corofil for updates.