

# PFC Corofil Coated Panel System CCPS

## Safety Data Sheet: SDSCCPS

In accordance with Annex II to Regulation (EC) No.1907/2006 (REACH), as amended by Commission Regulation (EU) No. 2015/830

Revision Date: 09/11/2021

Next Review: 08/11/2023

Key for component product | [MF] Mineral fibre | [AC] Ablative coating

### Section 1: Identification of substance or mixture and company

#### 1.1. Product identifier

Product name: PFC Corofil Coated Panel System CCPS

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

Designed to reinstate the fire resistance performance of wall and floor constructions where they are penetrated by various cable and pipe services.

No uses advised against for physical, health and environmental considerations as covered by REACH.

In terms of site use, the product shall be used in accordance with technical guidance published by PFC Corofil.

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

PFC Corofil  
Units 3 & 4, King George's Industrial Estate  
Davis Road  
Chessington  
Surrey  
KT9 1TT

Tel: +44 (0)208 391 0533 (hours of operation 08:00-17:00 Monday-Friday)

Fax: +44 (0)208 391 2723

Email: [tech@pfc-corofil.com](mailto:tech@pfc-corofil.com)

#### 1.4. Emergency telephone number

+44 (0)208 391 0533 (hours of operation 08:00-17:00 Monday-Friday)

### Section 2: Hazards identification

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

[MF]  
There is no hazard statement associated with this material. PFC Corofil mineral wool is not classified as dangerous according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP).

[AC]  
Classification according to Regulation (EC) No 1272/2008 [CLP]: Not classified.

Adverse physicochemical, human health and environmental effects:

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

## 2.2. Label elements

[MF]  
The overall conclusion in accordance with the CLP regulation, REACH registration and the Globally Harmonised System (GHS) is that there are no hazardous classifications associated with PFC Corofil fibres in respect to physical, health and environmental considerations.

[AC]  
Labelling according to Regulation (EC) No 1272/2008 [CLP]:

EUH-statements: EUH208 - Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.  
EUH210 - Safety data sheet available on request.

## 2.3. Other hazards

[MF]  
Use of high speed cutting tools can generate dust.

If in contact with constant heat >175°C, the binder will be slowly broken down.

Further information can be found in Section 8.

[AC]  
No additional information available.

## Section 3: Composition & information on ingredients

### 3.1. Substances

[MF]

Substance	EC identification number	REACH registration number	Content (% weight)	Classification, labelling and packaging (EU Regulation (CE) 1272/2008)
Stone wool <sup>1</sup>	926-099-9	01-211-947-2313-44	95-100%	Not classified <sup>2</sup>
Synthetic thermosetting polymer binder			0-5%	Not classified
Mineral oil			0-0.5%	Not classified
Silicon oil/emulsion <sup>3</sup>			0-0.5%	Not classified

<sup>1</sup> Man-made vitreous (silicate) fibres with random orientation with alkaline oxide and alkali earth oxide (Na<sub>2</sub>O+K<sub>2</sub>O+CaO+MgO+BaO) content greater than 18% by weight and fulfilling one of the Nota Q conditions of Regulation 1272/2008.

<sup>2</sup> Not classified H351 "suspected of causing cancer". Stone wool fibres are not classified carcinogenic according to the Nota Q of Regulation 1272/2008. PFC Corofil stone wool products do not contain CLP classified substances >0.1%.

<sup>3</sup> Silicon oil/emulsion is used in place of mineral oil in certain PFC Corofil products.

[AC]  
Not applicable.

### 3.2. Mixtures

[AC]

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium carbonate	(CAS-No.) 471-34-1 (EC-No.) 207-439-9 (REACH-no) 01-2119486795-18	30 - 50	Not classified
Aluminium Hydroxide	(CAS-No.) 21645-51-2 (EC-No.) 244-492-7 (REACH-no) 01-2119529246-39	10 - 30	Not classified
Titanium dioxide	(CAS-No.) 13463-67-7 (EC-No.) 236-675-5 (REACH-no) 01-2119489379-17	1 - 10	Not classified

### 3.3. Facing materials

Not applicable

## Section 4: First aid measures

### 4.1. Description of first aid measures

Inhalation:	[MF] Remove from exposure. Rinse the throat and clear dust from airways.
	[AC] Remove person to fresh air and keep comfortable for breathing.
Skin:	[MF] If itching occurs, remove contaminated clothing and wash skin gently with cold water and mild soap.
	[AC] Wash skin with plenty of water.
Eye:	[MF] Rinse abundantly with water for at least 15 minutes.
	[AC] Rinse eyes with water as a precaution.
Ingestion:	[MF] Drink plenty of water if accidentally ingested.
	[AC] Call a poison centre or a doctor if you feel unwell.

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

[MF]  
The mechanical effect of coarse fibres in contact with throat, skin or eyes may cause temporary itching/inconvenience.

[AC]  
No additional information available.

#### 4.3. Indication of any immediate medical attention and special treatment needed

[MF]  
None required. If any adverse reaction or discomfort continues from any of the above exposures, seek professional medical advice.

[AC]  
Treat symptomatically.

### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Water, foam, carbon dioxide (CO<sub>2</sub>), and dry powder.

Unsuitable extinguishing media: [MF]  
None.

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

[MF]  
None special. Use normal body and respiratory protection for fire.

[AC]  
Hazardous decomposition products in case of fire: Toxic fumes may be released.

#### 5.3. Advice for fire-fighters

[MF]  
The unfaced products are non-combustible, some packaging materials or facings may however be combustible.

[AC]  
Protection during firefighting: Do not attempt to take action without suitable protective equipment.  
Self-contained breathing apparatus. Complete protective clothing.

### Section 6: Accidental release measures

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

[MF]  
In case of presence of high concentrations of dust, use the same personal protective equipment as mentioned in Section 8.

##### 6.1.1. For non-emergency personnel

Emergency procedures: [AC]  
Ventilate spillage area.

##### 6.1.2. For emergency responders

Protective equipment: [AC]  
Do not attempt to take action without suitable protective equipment.



### 7.3. Specific end use(s)

No additional information available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

[MF]  
Workplace exposure limit (WEL) 5mg/m<sup>3</sup> gravimetric measure (total inhalable dust) and 2 fibres/ml airborne fibre limit, 8-hour time weighted averages. HSE guidance assumes that the gravimetric measure would be reached before the fibre measure. (Ref. HSE EH40).

[AC]

Titanium dioxide (13463-67-7)	
Local name	Titanium dioxide
WEL TWA (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup> respirable 10 mg/m <sup>3</sup> total inhalable
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Aluminium Hydroxide (21645-51-2)	
WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
WEL STEL (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>

Calcium carbonate (471-34-1)	
WEL TWA (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>
WEL STEL (mg/m <sup>3</sup> )	4 mg/m <sup>3</sup>

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

[MF]  
No specific requirements.

[AC]  
Ensure good ventilation of the work station.

#### 8.2.2. Individual protection measures, such as personal protective equipment

Eye protection: [MF]  
Wear goggles if working above shoulders or where there is heavy dust development. Eye protection to EN 166 is advised.

[AC]  
Safety glasses.

Hand protection: [MF]  
Use gloves conforming with EN 388 to avoid itching.

[AC]  
Protective gloves.

Skin protection: [MF]  
Cover exposed skin.

[AC]  
Wear suitable protective clothing.

Respiratory protection: [MF]  
When working in unventilated areas or during operations which can generate emission of (various) dusts, wearing a disposable face mask in accordance with EN 149 FFP1 is recommended.

At high temperatures not usually found in building construction (>175°C), the product binder will slowly decompose and trace gases will be released. When high temperature appliances are first put into service, gases should be vented to control exposure to fumes or appropriate respirators used.

[AC]  
In case of insufficient ventilation, wear suitable respiratory equipment.

[AC]  
Personal protective equipment symbol(s):



Environmental exposure controls: Avoid release to the environment.

[MF]

The mechanical effect of fibres in contact with skin may cause temporary itching.



Cover exposed skin. When working in unventilated area, wear disposable face mask.



Rinse in cold water before washing.



Clean area using vacuum equipment.



Ventilate working area if possible.



Waste should be disposed of according to local regulations.



Wear goggles when working overhead.

## Section 9: Physical and chemical properties

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

Appearance:	[MF] Solid, grey-green
Physical state:	[AC] Liquid
Colour:	[AC] White
Odour:	[MF] Odourless [AC] No data available
Odour threshold:	Not relevant. No odour
pH:	[MF] Not relevant. Solid [AC] 5 – 9
Relative evaporation rate (butylacetate=1):	[AC] No data available
Melting point:	[MF] >1000°C [AC] No data available
Initial boiling point and range:	[MF] Not relevant. Solid [AC] No data available
Flash point:	[MF] Not relevant. Non-combustible (ref. UK and Ireland Building Regulations) [AC] No data available
Evaporation rate:	[MF] Not relevant. Solid
Auto-ignition temperature:	No data available

Decomposition temperature:	No data available
Flammability:	Not relevant. Non-combustible (ref. UK and Ireland Building Regulations)
Upper/lower flammability or explosive limits:	Not relevant. Non-combustible (ref. UK and Ireland Building Regulations)
Vapour pressure:	[MF] Not relevant. Solid [AC] No data available
Vapour density:	[MF] Not relevant. Solid [AC] No data available
Relative density:	[MF] 169kg/m <sup>3</sup> [AC] No data available
Density:	[AC] 1.3 - 1.4
Solubility(ies):	[MF] Generally chemically inert and insoluble in water [AC] No data available
Partition coefficient n-octanol/water:	[MF] Not relevant. Insoluble in water [AC] No data available
Auto-ignition temperature:	Not relevant. Non-combustible (ref. UK and Ireland Building Regulations)
Decomposition temperature:	When heated to approx 175°C for the first time, release of binder decomposition products occurs
Viscosity:	[MF] Not relevant. Solid [AC] No data available
Explosive properties:	[MF] Not relevant. Non-combustible (ref. UK and Ireland Building Regulations) [AC] No data available
Oxidising properties:	[MF] Not relevant. Non-oxidising [AC] No data available

## 9.2. Other information

No further chemical or physical properties to report.

## Section 10: Stability and reactivity

### 10.1. Reactivity

Not reactive.

### 10.2 Chemical stability

Stable.

### 10.3. Possibility of hazardous reactions

[MF]  
Not reactive.

[AC]  
No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None specified.

#### 10.5. Incompatible materials

[MF]  
None specified.

[AC]  
Oxidizing agent. Strong acids.

#### 10.6. Hazardous decomposition products

[MF]  
When heated to approx. 175°C for the first time, release of binder decomposition products occurs. See 8.2.2

[AC]  
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11: Toxicology information

### 11.1. Information on toxicological effects

#### a) Acute toxicity

[MF]  
No acute toxicity.

[AC]  
Acute toxicity (oral): Not classified.

Acute toxicity (dermal): Not classified.

Acute toxicity (inhalation): Not classified.

#### b) Irritation

[MF]  
In the case of coarser fibres there can be mechanical effects on skin, upper respiratory system (mucous membranes) and eyes that can cause temporary, self-fading effects (e.g. itching). No chemical effects ensue.

#### c) Corrosivity

[MF]  
No corrosivity.

#### d) Sensitisation

[MF]  
No sensitisation.

#### e) Repeated dose toxicity

[MF]  
No repeated dose toxicity.

f) Carcinogenicity

[MF]  
None. Owing to its high bio-solubility, the fibre used in PFC Corofil stone wool insulation materials is assessed as free from suspicion of possible carcinogenic effects in accordance with Regulation (EC) No 1272/2008 (ref. Nota Q). In October 2001, the International Agency for Research on Cancer (IARC) classified rock (stone) wool insulation as Group 3 (not classifiable as to its carcinogenicity in humans) i.e. not suspected of causing cancer in humans.

g) Mutagenicity

[MF]  
No mutagenicity.

h) Toxicity for reproduction

[MF]  
No toxicity for reproduction.

[AC]

<b>Titanium dioxide (13463-67-7)</b>	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
LC50 Inhalation - Rat	> 6.8 mg/l/4h

<b>Aluminium Hydroxide (21645-51-2)</b>	
LD50 oral rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 2.3 mg/l

<b>Calcium carbonate (471-34-1)</b>	
LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure)
LC50 Inhalation - Rat	> 3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity)

Skin corrosion/irritation: Not classified.  
pH: 5 - 9

Serious eye damage/irritation: Not classified.  
pH: 5 - 9

Respiratory or skin sensitisation: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

<b>Aluminium Hydroxide (21645-51-2)</b>	
NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight

STOT-single exposure: Not classified.

STOT-repeated exposure: Not classified.

<b>Calcium carbonate (471-34-1)</b>	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Aspiration hazard: Not classified.

## Section 12: Ecological information

### 12.1. Toxicity

[MF]  
 None. This product is not expected to cause harm to animals or plants during normal conditions of use. Stone wool is principally made from non-scarce rock material and recycled stone wool.

[AC]  
 Ecology - general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term: (acute) Not classified.

Hazardous to the aquatic environment, long-term: (chronic) Not classified.  
 Not rapidly degradable.

<b>Titanium dioxide (13463-67-7)</b>	
LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 1000 mg/l
EC50 72h algae (1)	> 61 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

<b>Calcium carbonate (471-34-1)</b>	
LC50 fish 1	> 10000
EC50 Daphnia 1	> 1000
EC50 72h algae (1)	> 200 mg/l

## 12.2. Persistence and degradability

None.

## 12.3. Bio-accumulative potential

[MF]  
None.

[AC]

<b>Calcium carbonate (471-34-1)</b>	
Partition coefficient n-octanol/water (Log Pow)	< 1

## 12.4. Mobility in soil

[MF]  
None.

[AC]

<b>Acoustic Intumescent Sealant</b>	
Ecology - soil	Readily absorbed into soil

## 12.5. Results of PBT and vPvB assessment

No assessment required.

## 12.6. Other adverse effects

[MF]  
Relying on entrapped air for its thermal properties, the products do not, and never have used blowing agents with Ozone Depleting Potential or Global Warming Potential. No flame retardants are added.

[AC]  
No additional information available.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste): Disposal must be done according to official regulations.

Waste treatment methods: Dispose of contents/container in accordance with licensed collector's sorting Instructions.

## Section 14: Transport information

### 14.1. UN number

[MF]  
Not applicable.

#### 14.2. UN proper shipping name

[MF]  
Not applicable.

#### 14.3. Transport hazard class(es)

[MF]  
Not applicable.

#### 14.4. Packing group

[MF]  
Not applicable.

#### 14.5. Environmental hazards

[MF]  
Not applicable.

#### 14.6. Special precautions for user

[MF]  
None specified.

[AC]  
Overland transport: Not applicable.

Transport by sea: Not applicable.

Air transport: Not applicable.

Inland waterway transport: Not applicable.

Rail transport: Not applicable.

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

[AC]  
Not applicable.

### Section 15: Regulatory information

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

[MF]  
The overall conclusion in accordance with the CLP, GHS and REACH regulations is that there are no hazardous classifications associated with PFC Corofil fibres in respect to physical, health and environmental aspects.

##### 15.1.1. EU-Regulations

[AC]  
Contains no REACH substances with Annex XVII restrictions.  
Contains no substance on the REACH candidate list.  
Contains no REACH Annex XIV substances.  
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.  
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

### 15.1.2. National regulations

[AC]

No additional information available.

### 15.2. Chemical Safety Assessment

No assessment required.

## Section 16: Other information

This safety data sheet has been prepared in accordance with annex ii to regulation (EC) No. 1907/2006 REACH, as amended by commission regulation (EU) No. 215/830.

Although REACH regulations do not require a SDS to be provided for PFC Corofil stone wool, this format is used by PFC Corofil to provide standardised health and safety information.

All stone wool supplied by PFC Corofil are made of fibres exonerated from classification as a carcinogen in accordance with regulation (EC) No. 1272/2008 (ref. Nota Q)

[AC]

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BLV	Biological limit value
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect Level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

<b>Full text of H- and EUH-statements:</b>	
EUH208	Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210	Safety data sheet available on request.

The classification complies with: ATP 12

This data sheet does not constitute a workplace assessment.

The information provided represents the state of our knowledge regarding this material at the date of its publication.

The information provided does not constitute a product specification and no warranty expressed or implied is hereby made.

The information relates only to the specific material designated when used in applications it has been designed for. This information may not be valid for such material used in combination with any other materials or in any other processes, unless specified in the text.

For further information, visit [www.pfc-corofil.com](http://www.pfc-corofil.com)