

# PFC Corofil High Expansion Sealant CHES

## Safety Data Sheet: SDSCHES

According to Regulation (EC) No. 1907/2006 (REACH)  
with its amendment Regulation (EU) 2015/830

Revision Date: 06/10/2021

Next Review: 05/10/2023

### Section 1: Identification of substance/mixture and of the company undertaking

#### 1.1. Product identifier

Product form:	Mixture
Product name:	PFC Corofil High Expansion Sealant CHES
Type of product:	Adhesives, sealants
Product group:	Trade product

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

##### 1.2.1. Relevant identified uses

Designed to reinstate the fire resistance performance of wall and floor constructions where they are penetrated by single or multiple services.

Main use category:	Professional use.
Industrial/Professional use spec:	For professional use only.
Use of the substance/mixture:	Adhesives, sealants.

##### 1.2.2. Uses advised against

No additional information available.

#### 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

#### 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

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

Serious eye damage/eye irritation, Category 2	H319
Reproductive toxicity, Category 2	H361
Hazardous to the aquatic environment - Chronic Hazard, Category 3	H412

Full text of H statements: See Section 16

Adverse physicochemical, human health and environmental effects:

Causes serious eye irritation. Harmful to aquatic life with long lasting effects. Suspected of damaging fertility or the unborn child.

### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS07

GHS08

Signal word (CLP):	Warning
Hazardous ingredients:	Melamine

Hazard statements (CLP):	H319 - Causes serious eye irritation.
	H361 - Suspected of damaging fertility or the unborn child.
	H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP):	P201 - Obtain special instructions before use.
	P280 - Wear protective clothing, eye protection, face protection.
	P308+P313 - IF exposed or concerned: Get medical advice/attention.
	P337+P313 - If eye irritation persists: Get medical advice/attention.

EUH-statements:	EUH208 - Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one(2634-33-5), 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.
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### 2.3. Other hazards

No additional information available.

## Section 3: Composition & information on ingredients

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Graphite	(CAS-No.) 7782-42-5 (EC-No.) 231-955-3	10 - 30	Not classified
Aluminium Hydroxide	(CAS-No.) 21645-51-2 (EC-No.) 244-492-7 (REACH-no) 01-2119529246-39	10 - 30	Not classified
Melamine	(CAS-No.) 108-78-1 (EC-No.) 203-615-4	1 - 10	Repr. 2, H361
Cellulose substance with a Community workplace exposure limit	-	1 - 10	Not classified
Alkylphenol polypropylene glycol ether	(CAS-No.) 9064-15-7 (EC-No.) 696-008-2	1 - 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 2, H411

1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6	0.008	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	(CAS-No.) 55965-84-9 (EC Index-No.) 613-167-00-5	0.001	Acute Tox. 2 (Inhalation), H330 Acute Tox. 2 (Dermal), H310 Acute Tox. 3 (Oral), H301 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

Specific concentration limits:		
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	(CAS-No.) 2634-33-5 (EC-No.) 220-120-9 (EC Index-No.) 613-088-00-6	(0.05 ≤ C ≤ 100) Skin Sens. 1, H317
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	(CAS-No.) 55965-84-9 (EC Index-No.) 613-167-00-5	(0.0015 ≤ C ≤ 100) Skin Sens. 1A, H317 (0.06 ≤ C < 0.6) Skin Irrit. 2, H315 (0.06 ≤ C < 0.6) Eye Irrit. 2, H319 (0.6 ≤ C ≤ 100) Skin Corr. 1C, H314 (0.6 ≤ C ≤ 100) Eye Dam. 1, H318

Full text of H-statements: see Section 16.

## Section 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general:	If exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation:	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact:	Wash skin with plenty of water.
First-aid measures after eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion:	Call a poison centre or a doctor if you feel unwell.

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

Symptoms/effects after eye contact: Eye irritation.

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

Treat symptomatically.

### Section 5: Fire-fighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

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

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

#### 5.3. Advice for fire-fighters

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

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

Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes.

##### 6.1.2. For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment.  
For further information refer to Section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and materials for containment and cleaning up

Methods for cleaning up: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

Other information: Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to Section 13. For further information refer to Section 8: "Exposure controls/personal protection".

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a well-ventilated place. Keep cool. Store locked up.

### 7.3. Specific end use(s)

No additional information available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>Cellulose</b>	
IOELV TWA (mg/m <sup>3</sup> )	6 mg/m <sup>3</sup>
<b>Aluminium Hydroxide (21645-51-2)</b>	
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>
<b>Graphite (7782-42-5)</b>	
WEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> inhalable dust
Respirable	4 mg/m <sup>3</sup>

### 8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Personal protective equipment: Dust formation: dust mask. Gloves.

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



Environmental exposure controls: Avoid release to the environment.

## Section 9: Physical and chemical properties

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

Physical state:	Liquid
Appearance:	Paste
Colour:	Grey
Odour:	No data available
Odour threshold:	No data available
pH:	5 - 9
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	Not applicable

Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	Not applicable
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	1.3 - 1.4
Solubility:	No data available
Partition coefficient n-octanol/water (Log Pow):	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

### 9.2. Other information

No additional information available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see Section 7).

## 10.5. Incompatible materials

Oxidizing agent. Strong acids.

## 10.6. Hazardous decomposition products

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

## Section 11: Toxicology information

### 11.1. Information on toxicological effects

Acute toxicity (oral): Not classified.

Acute toxicity (dermal): Not classified.

Acute toxicity (inhalation): Not classified.

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

<b>Graphite (7782-42-5)</b>	
LD50 oral rat	> 2000 mg/kg
LD50, mouse, long term, Inhalation, mouse, systemic	10 mg/kg (Hours Hours)

<b>Melamine (108-78-1)</b>	
LC50 Inhalation - Rat	> 5.19 mg/l air

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

Serious eye damage/irritation: Causes serious eye irritation.  
pH: 5 - 9

Respiratory or skin sensitisation: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Suspected of damaging fertility or the unborn child.

<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.

Aspiration hazard: Not classified.

## Section 12: Ecological information

### 12.1. Toxicity

Ecology - general:	Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term: (acute)	Not classified.
Hazardous to the aquatic environment, long-term: (chronic)	Harmful to aquatic life with long lasting effects.

<b>Melamine (108-78-1)</b>	
LC50 fish 1	> 3000 mg/l
EC50 Daphnia 1	200 mg/l
EC50 96h algae (1)	325 mg/l
LOEC (chronic)	> 11 mg/l
NOEC (chronic)	≥ 11 mg/l
NOEC chronic fish	≥ 5.1 mg/l

Not rapidly degradable.

<b>Graphite (7782-42-5)</b>	
LC50 fish 1	> 100 mg/l
EC50 Daphnia 1	> 100 mg/l
EC50 72h algae (1)	> 100 mg/l
EC50 72h algae (2)	> 100 mg/l
NOEC (chronic)	47 mg/l

### 12.2. Persistence and degradability

No additional information available.

### 12.3. Bioaccumulative potential

No additional information available.

### 12.4. Mobility in soil

<b>Corofil High Expansion Sealant</b>	
Ecology - soil	Expected to be highly mobile in soil



### 12.5. Results of PBT and vPvB assessment

No additional information available.

### 12.6. Other adverse effects

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

In accordance with ADR / RID / IMDG / IATA / ADN:

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

No supplementary information available.

### 14.6. Special precautions for user

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

Not applicable.

## Section 15: Regulatory information

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

#### 15.1.1. EU-Regulations

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

No additional information available.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## Section 16: Other information

Indication of changes:			
1.1	Type of product	Modified	
1.1	UFI	Added	
2	Additional information	Added	Addition to EUH208 Statement
3	Additional information	Added	
8.1	Exposure controls	Added	
12.4	Mobility in soil	Modified	

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>	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation)	Acute toxicity (inhal.), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A

H301	Toxic if swallowed
H302	Harmful if swallowed
H310	Fatal in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H361	Suspected of damaging fertility or the unborn child
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
EUH208	Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (2634-33-5), 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.

The classification complies with: ATP 12

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

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