



Alpha Chem Fire Rated Sealant

Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 11/27/2018 Revision date: 3/6/2019 Supersedes: 3/4/2019 Version: 1.5

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Alpha Chem Fire Rated Sealant
Product code : X1FIRE
Type of product : Paste
Product group : Blend

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

1.2.1. Relevant identified uses

Use of the substance/mixture : PC1: Adhesives, Sealants

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Cromar Building Products
Units 3, 4, 5 Northside Ind Park
Selby Rd
DN14 0GH Whitley Bridge - United Kingdom
T 01977 663133 - F 01977 662186
www.cromarbuildingproducts.com

1.4. Emergency telephone number

Emergency number : 01977 663133 (Business hours only Mon-Fri 9am-5pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

No labelling applicable

2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

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]
CALCIUM CARBONATE	(CAS-No.) 1317-65-3	30 - 50	Not classified
ALUMINUM HYDROXIDE	(CAS-No.) 21645-51-2 (EC-No.) 244-492-7	10 - 30	Not classified
CALCIUM CARBONATE	(CAS-No.) 471-34-1 (EC-No.) 207-439-9	1 - 10	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : If you feel unwell, seek medical advice.
First-aid measures after skin contact : Gently wash with plenty of soap and water.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion : Rinse mouth out with water.

Alpha Chem Fire Rated Sealant

Safety Data Sheet

according to Regulation (EU) 2015/830

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

Symptoms/effects after inhalation	: Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
Symptoms/effects after skin contact	: May cause moderate irritation.
Symptoms/effects after eye contact	: May cause eye irritation. Redness.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : earth, sand, dry chemical powder or foam. Water spray.

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 firefighters

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Protective gloves. Use self-contained breathing apparatus. Safety glasses. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean contaminated surfaces with an excess of water.

6.4. Reference to other sections

See Heading 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool. Store in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Alpha Chem Fire Rated Sealant		
United Kingdom	WEL TWA (mg/m ³)	4 mg/m ³ Aluminium Hydroxide and Ca Carbonate (471-34-1)
United Kingdom	WEL STEL (mg/m ³)	5 mg/m ³ Calcium Carbonate
United Kingdom	Regulatory reference	EH 40

CALCIUM CARBONATE (1317-65-3)

United Kingdom	Local name	Calcium carbonate (Limestone, Marble)
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ total inhalable 4 mg/m ³ respirable
United Kingdom	Regulatory reference	EH40/2005 (Third edition, 2018). HSE

CALCIUM CARBONATE (471-34-1)

United Kingdom	WEL TWA (mg/m ³)	4 mg/m ³ respireable 10 mg/m ³ inhaleable
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Alpha Chem Fire Rated Sealant

Safety Data Sheet

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CALCIUM CARBONATE (471-34-1)

United Kingdom	Remark (WEL)	Please note Irespireable element is the portion which refers to
United Kingdom	Regulatory reference	EH 40

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

protective gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Long sleeved protective clothing

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: white.
Odour	: Barely perceptible odour.
Odour threshold	: No data available
pH	: 6.5 - 9
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
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)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: 1.56 - 1.66
Relative density	: No data available
Relative density of saturated gas/air mixture	: 1.56 - 1.66
Solubility	: No data available
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

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Stable under normal conditions of use.

Alpha Chem Fire Rated Sealant

Safety Data Sheet

according to Regulation (EU) 2015/830

10.4. Conditions to avoid

High temperature.

10.5. Incompatible materials

Strong acids. Oxidizing agent.

10.6. Hazardous decomposition products

May liberate toxic gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Alpha Chem Fire Rated Sealant	
LD50 oral rat	2000 mg/kg Aluminium Hydroxide
LD50 oral	5000 mg/kg Ca Carbonate 471-34-1 (CAS)
LC50 inhalation rat (mg/l)	7.6 mg/l/4h Aluminium Hydroxide
ATE CLP (vapours)	7.6 mg/l/4h
ATE CLP (dust,mist)	7.6 mg/l/4h

Skin corrosion/irritation : Not classified
pH: 6.5 - 9

Serious eye damage/irritation : Not classified
pH: 6.5 - 9

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Potential adverse human health effects and symptoms : Irritation: may cause irritation to the respiratory system.

Other information : Likely routes of exposure: inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

Alpha Chem Fire Rated Sealant	
LC50 fish 1	100 mg/l Aluminium Hydroxide (atlantic salmon)
LC50 fish 2	100 mg/l Alum. Hydroxide (Salmo Trutta)
LC50 other aquatic organisms 1	10000 mg/l Fish Calcium Carb. (471-34-1)
EC50 Daphnia 1	100 mg/l Aluminium Hydroxide
EC50 Daphnia 2	1000 mg/l Calcium Carbonate (471-34-1)
EC50 72h algae (1)	100 mg/l Aluminium Hydroxide (Green alga)
EC50 72h algae (2)	200 mg/l Calcium Carbonate 471-34-1 (CAS)

12.2. Persistence and degradability

Alpha Chem Fire Rated Sealant	
Biodegradation	Biodegradeable

CALCIUM CARBONATE (1317-65-3)

Persistence and degradability	Not established.
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Alpha Chem Fire Rated Sealant

Safety Data Sheet

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12.3. Bioaccumulative potential

CALCIUM CARBONATE (1317-65-3)

Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Alpha Chem Fire Rated Sealant

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

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.

SECTION 14: Transport information

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

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

No supplementary information available

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

15.1.2. National regulations

No additional information available

Alpha Chem Fire Rated Sealant

Safety Data Sheet

according to Regulation (EU) 2015/830

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: Other information

No additional information available

SDS EU (REACH Annex II)

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