

# FIREPRO®

# High Strength Compound

Revision Date: 13/03/2023  
Revision No: Version 2.0 March 2023 (NI)  
Previous Version: Version 1.0 May 2018

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

### 1.1 Product identifier

Product form	Mixture
Trade Name	FIREPRO® High Strength Compound
Type of product	Adhesives, sealants
Product group	Trade product

### 1.2.1 Relevant identified uses

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

ROCKWOOL® Ltd, Pencoed, Bridgend, CF35 6NY  
Tel: +44 (0) 1656 862621

### 1.4 Emergency telephone numbers

ROCKWOOL® Ltd Customer Support 9:00am-5:00pm  
Tel: +44 (0) 1656 Email: sds@rockwool.com  
Call 999 for emergency  
Call 111 for non-emergency medical advice

## 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 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

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

Precautionary statements (CLP)

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P264 - Wash hands, forearms and face thoroughly after handling.

P280 - Wear eye protection, protective clothing.

### 2.3 Other hazards

Other hazards which do not result in classification

Dust formation.

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1%

## 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 Sulfate	(CAS-No.) 7778-18-9 (EC-No.) 231-900-3	> 80	Not classified
Limestone	(CAS-No.) 471-34-1 (EC-No.) 207-439-9	< 30	Not classified

Comments: Contains <1% Organic Substances

## Section 4. First-aid measures

### 4.1 Description of first aid measures

First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/attention.
First-aid measures after skin contact	Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	Rinse mouth out with water. Do not induce vomiting.

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

Symptoms/effects	Not expected to present a significant hazard under anticipated conditions of normal use.
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4.3 Indication of any immediate medical attention and special treatment needed	Treat symptomatically.
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## Section 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media	Water spray. Dry powder. Foam.
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### 5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	The product is non-combustible.
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### 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.
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## Section 6. Accidental release measures

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

General measures Use personal protective equipment (PPE).

#### 6.1.1 For non-emergency personnel

Emergency procedures Ventilate spillage area.

#### 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 material for containment and cleaning up

Methods for cleaning up Mechanically recover the product. Avoid dust formation.

Other information Dispose of in accordance with relevant local regulations.

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

Additional hazards when processed Dust formation.

Precautions for safe handling Ensure good ventilation of the work station. Wear personal protective equipment. Avoid dust formation.

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. Protect from moisture. Keep container closed when not in use.

7.3 Specific end use(s) No additional information available.

## Section 8. Exposure controls / personal protection

### 8.1 Control parameters

#### 8.1.1 National occupational exposure and biological limit values

##### Calcium sulfate (7778-18-9)

###### United Kingdom - Occupational Exposure Limits

WEL TWA (OEL TWA) [1] 10 mg/m<sup>3</sup> 8 hr

WEL STEL (OEL STEL) 30 mg/m<sup>3</sup>

##### Limestone (471-34-1)

###### United Kingdom - Occupational Exposure Limits


Local name Calcium carbonate (Limestone, Marble)

WEL TWA (OEL TWA) [1] 10 mg/m<sup>3</sup> total inhalable  
 4 mg/m<sup>3</sup> respirable

WEL STEL (OEL STEL) 4 mg/m<sup>3</sup>

Regulatory reference EH40/2005 (Fourth edition, 2020). HSE

8.1.2	Recommended monitoring procedures	No additional information available
8.1.3	Air contaminants formed	No additional information available
8.1.4	DNEL and PNEC	No additional information available
8.1.5	Control banding	No additional information available

8.2	Exposure controls			
8.2.1	Appropriate engineering controls	Ensure good ventilation of the work station		
8.2.2	Personal Protective Equipment	Dust production: dust mask with filter type P2. Gloves.		
	Personal protective equipment symbol(s)			
8.2.2.1	Eye and face protection			
	Eye protection	Safety glasses		
8.2.2.2	Skin protection			
	Skin and body protection	Wear suitable protective clothing		
	Hand protection	Protective gloves		
8.2.2.3	Respiratory protection			
	Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment		
<b>Respiratory protection</b>				
	Device	Filter type	Condition	Standard
	Dust mask	Type P2		
8.2.2.4	Thermal hazards	No additional information available		
8.2.3	Environmental exposure controls			
	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	Solid
Colour	White to cream
Appearance	Powder
Odour	Odourless
Odour threshold	Not available
Melting point	> 1000°C
Freezing point	Not applicable
Boiling point	Not available
Flammability	Non flammable
Explosive limits	Not applicable
Lower explosive limit	Not applicable
Upper explosive limit	Not applicable
Flash point	Not applicable
Auto-ignition temperature	Not applicable
Decomposition temperature	Not available
pH	Not available
pH solution	Not available
Viscosity, kinematic	Not applicable
Solubility	Not available
Partition coefficient n-octanol/water (Log Pow)	Not available
Vapour pressure	Not available
Vapour pressure at 50 °C	Not available
Density	Not available
Relative density	Not available
Relative vapour density at 20 °C	Not applicable
Particle size	Not available
Particle size distribution	Not available
Particle shape	Not available
Particle aspect ratio	Not available
Particle aggregation state	Not available
Particle agglomeration state	Not available
Particle specific surface area	Not available
Particle dustiness	Not available

### 9.2 Other information

9.2.1 Information with regard to physical hazard classes	No additional information available
9.2.2 Other safety characteristics	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	No additional information available
10.6	Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced



## Section 11. Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified

#### Limestone (471-34-1)

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
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#### Limestone (471-34-1)

pH 8.5 - 9.5

Serious eye damage/irritation	Not classified
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#### Limestone (471-34-1)

pH 8.5 - 9.5

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

#### Limestone (471-34-1)

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
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#### FIREPRO® High Strength Compound

Viscosity, kinematic Not applicable

#### Limestone (471-34-1)

Viscosity, kinematic Not applicable

11.2	Information on other hazards	
11.2.1	Endocrine disrupting properties	
	Adverse health effects caused by endocrine disrupting properties	Based on available data, the classification criteria are not met
11.2.2	Other information	No additional information available

## Section 12. Ecological information

12.1	Toxicity	
	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

Limestone (471-34-1)	
LC50 - Fish [1]	> 10000
EC50 - Crustacea [1]	> 1000
EC50 72h - Algae [1]	> 200 mg/l

### 12.2 Persistence and degradability

FIREPRO® High Strength Compound	
Persistence and degradability	Not established

### 12.3 Bioaccumulative potential

FIREPRO® High Strength Compound	
Bioaccumulative potential	Not established

### Limestone (471-34-1)

Partition coefficient n-octanol/water (Log Pow)	< 1
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12.4	Mobility in soil	No additional information available
12.5	Results of PBT and vPvB assessment	No additional information available
12.6	Endocrine disrupting properties	No additional information available
12.7	Other adverse effects	No additional information available

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

#### Waste treatment methods

Dispose of contents/container in accordance with licensed collector's sorting instructions

#### Product/Packaging disposal recommendations

Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site

## Section 14. Transport information

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

	ADR	IMDG	IATA	ADN	RID
14.1 UN number or ID number	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2 UN proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3 Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4 Packing group	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5 Environmental hazards	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 Maritime transport in bulk according to IMO instruments

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

REACH Annex XVII (Restriction List)	Contains no REACH substances with Annex XVII restrictions
REACH Annex XIV (Authorisation List)	Contains no REACH Annex XIV substances
REACH Candidate List (SVHC)	Contains no substance on the REACH candidate list
PIC Regulation (Prior Informed Consent)	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
POP Regulation (Persistent Organic Pollutants)	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
Ozone Regulation (1005/2009)	Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer
Explosives Precursors Regulation (2019/1148)	Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors
Drug Precursors Regulation (273/2004)	Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)
15.1.2 National regulations	No additional information available
15.2 Chemical Safety Assessment	No chemical safety assessment has been carried out

#### Important note:

- This NI SDS is one of three SDSs for the named product - separate SDSs are provided to meet the regulatory requirements specific to GB, NI and EU;
- The content of this SDS may differ from that of the other SDSs, due to the different regulatory frameworks applicable to GB, NI and EU; and
- The user should refer to the SDS appropriate to the territory they are operating in.

## Section 16. Other information

### Indication of changes

Section	Section Heading	Change	Comments
1	Identification of the substance /mixture and of the company/undertaking	1.1 - Modified	Change to trade name
2	Hazards identification	2.1 - Added	Added information on hazard effects
2	Hazards identification	2.2 - Added	Added information on precautionary statements
2	Hazards identification	2.3 - Added	Dust formation hazard
3	Composition/information on ingredients	3.2 - Modified	Updated information on ingredients
4	First aid measures	4.1 - Added	Inclusion of additional information on first aid measures
4	First aid measures	4.2 - Modified	Inclusion of additional information on symptoms and effects
4	First aid measures	4.3 - Added	Inclusion of additional information on treatments
5	Firefighting measures	5.1 - Modified	Further information on extinguishing media
5	Firefighting measures	5.3 - Modified	Modified information on personal protection
6	Accidental release measures	6.1 - Modified	Updated information on environmental precautions
6	Accidental release measures	6.2 - Modified	Updated information on environmental precautions
6	Accidental release measures	6.3 - Modified	Included information on cleaning methods and disposal
6	Accidental release measures	6.4 - Modified	Additional references added
7	Handling and storage	7.1 - Modified	Updated information on safe handling and hygiene measures
8	Exposure controls/personal protection	8.1 - Added	Control parameters added for relevant components
8	Exposure controls/personal protection	8.2 - Modified	Amendments to requirements for personal protective equipment
9	Physical and chemical properties	9.1 - Modified	Updated information on physical and chemical properties
11	Toxicological information	11.1 - Added	Additional toxicological information added
12	Ecological information	12.1 - Added	Additional ecological information added
12	Ecological information	12.3 - Added	Information on bioaccumulative potential

13	Disposal considerations	13.1 - Modified	Additional information provided for waste disposal and recycling
15	Regulatory information	15.1 - Added	Additional regulatory details applied
N/A	N/A	General	SDS Updated to new design
N/A	N/A	General	Format changes throughout the SDS

#### 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

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The information is current as of October 2020

\* indicates text in the SDS which has changed since the last revision.