

# FirePro® High Expansion Intumescent Sealant

Revision Date: 01.09.2024  
Revision No: Version 3.0 September 2024 (EU)  
Previous Version: Version 2.0 February 2023 (EU)

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

### 1.1 Product identifier

Product form	Mixture
Trade name	FirePro® High Expansion Intumescent Sealant
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

Main use category	Professional use
Industrial / Professional use spec	For professional use only
Use of 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

Manufacturer	ROCKWOOL Ltd, Pencoed, Bridgend, CF35 6NY Tel: +44 (0) 1656 862621 Email: sds@rockwool.com
Importer:	ROCKWOOL A/S Hovedgaden 501, DK-2640 Hedehusene, Denmark Tel: +45 4656 1616 Email: info@rockwool.dk

### 1.4 Emergency telephone numbers

ROCKWOOL Ltd (Within GB/Ireland only)
Language: English
Customer Support: 9am-5pm
Tel: +44 (0) 1656 862621 Email: sds@rockwool.com
ROCKWOOL A/S (Within EU only)
Language: English/Danish
Customer Support: Office hours only
Tel: +45 4656 1616 Email: info@rockwool.dk

## 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

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

EUH210 - Safety data sheet available on request

### 2.3 Other hazards

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

## 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]
Aluminium Hydroxide	(CAS-No.) 21645-51-2 (EC-No.) 244-492-7 (REACH-no) 01-2119529246-39	10 – 30	Not classified
Cellulose substance with a Community workplace exposure limit		1 – 10	Not classified
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 (M=1)
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- and EUH-statements: see section 16

## Section 4. First-aid measures

### 4.1 Description of first aid measures

First-aid measures general	If you feel unwell, seek medical advice
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 eyes with water as a precaution
First-aid measures after ingestion	Call a poison center or doctor if you feel unwell

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

Symptoms/effects after inhalation	May cause minor irritation to the respiratory tract and to other mucous membranes
Symptoms/effects after skin contact	May cause slight irritation to the skin
Symptoms/effects after eye contact	May cause minor eye irritation
Symptoms/effects after ingestion	May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract

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

Treat symptomatically

## Section 5. Firefighting 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 firefighters

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. Do not allow to enter drains or water courses

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up      Take up liquid spill into absorbent material

Other information      Dispose of materials or solid residues at an authorised site

6.4 Reference to other sections      For further information refer to section 8: "Exposure controls/personal protection." For further information refer to section 13

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

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

7.3 Specific end use(s)      No additional data available

## Section 8. Exposure controls / personal protection

### 8.1 Control parameters

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

#### Cellulose

#### EU - Indicative Occupational Exposure Limit (IOEL)

IOEL TWA 6 mg/m<sup>3</sup> General dust limiting value

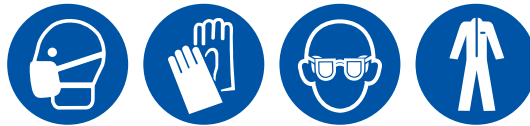
8.1.2	Recommended monitoring procedures	No additional information available
8.1.3	Air contaminants formed	No additional information available
8.1.4	DNEL and PNEC	No additional information available
8.1.5	Control banding	No additional information available

### 8.2 Exposure controls

8.2.1 Appropriate engineering controls Ensure good ventilation of the work station

8.2.2 Personal Protective Equipment Dust formation: Dust mask. Gloves

Personal protective equipment symbol(s)



#### 8.2.2.1 Eye and face protection

Eye protection

#### Eye protection

Type	Field of application	Characteristics	Standard
Safety glasses			EN 166

#### 8.2.2.2 Skin protection

Skin and body protection Wear suitable protective clothing

Hand protection Protective gloves

#### Hand protection

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Vinyl, Nitrile rubber (NBR), Chloroprene rubber (CR)	2 (> 30 minutes)			EN ISO 374-1

8.2.2.3	Respiratory protection	
	Respiratory protection	If dust are formed: In case of insufficient ventilation, wear suitable respiratory equipment
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	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	> 170 °C
	Flammability (solid, gas)	Non flammable
	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. 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

#### Aluminium Hydroxide (21645-51-2)

LD50 oral rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 2.3 mg/l
Skin corrosion/irritation	Not classified pH: 5 - 9

#### Aluminium Hydroxide (21645-51-2)

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

#### Aluminium Hydroxide (21645-51-2)

pH	9
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified



**Aluminium Hydroxide (21645-51-2)**

NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

**Cellulose**

Viscosity, kinematic	Not applicable
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**Aluminium Hydroxide (21645-51-2)**

Viscosity, kinematic	Not applicable
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met

**Section 12. Ecological information**

12.1	<b>Toxicity</b>	
	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	
12.2	Persistence and degradability	No additional information available
12.3	Bio-accumulative potential	No additional information available
12.4	<b>Mobility in soil</b>	
	FirePro® High Expansion Intumescent Sealant	
	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
Additional information	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Packaging contaminated by the product : Disposal must be done according to official regulations. Non-contaminated packages may be recycled
European List of Waste (LoW) code	08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09

## 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 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	
	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(s) listed on the REACH Candidate List
	PIC Regulation (Prior Informed Consent)	Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)
	POP Regulation (Persistent Organic Pollutants)	Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)
	Ozone Regulation (1005/2009)	Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)
	Explosives Precursors Regulation (2019/1148)	Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 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 the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)
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 EU 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

#### Hazards identification, Composition/information on ingredients

Section	Section Heading	Change	Comments
2	Hazard statements (CLP)	Removed	Hazard Classification Removed - Reclaculated for New Formulation
3.2	Composition/information on ingredients	Modified	
4	First-aid measures general	Modified	
6	Emergency procedures	Modified	
7	Precautions for safe handling	Modified	
11		Removed	Removal of Melamine from Formulation
12		Removed	Removal of Melamine from Formulation
13	Disposal considerations	Modified	Updated to Reflect Formulation
15		Modified	Updated Relevant Regulations

## 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
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
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
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

### Full text of H- and EUH-statements

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
Carc. 2	Carcinogenicity, Category 2
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
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
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
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
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
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
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2

The classification complies with: ATP 12

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