

FirePro® High Expansion Intumescent Sealant

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

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/m³ General dust limiting value

Aluminium Hydroxide (21645-51-2)

United Kingdom - Occupational Exposure Limits

WEL TWA (OEL TWA) [1] 10 mg/m³ total dust
 4 mg/m³ respirable dust

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
----------------------	----------------

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	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	
12.2	Persistence and degradability	No additional information available
12.3	Bio-accumulative potential	No additional information available
12.4	Mobility in soil	
	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 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

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 Relevent 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

Legal disclaimer

ALL PRODUCT, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE. USERS SHOULD CHECK FOR AND OBTAIN THE LATEST RELEVANT INFORMATION AND VERIFY SUCH INFORMATION IS CURRENT AND COMPLETE BEFORE PLACING ORDERS FOR ROCKWOOL LIMITED'S PRODUCTS.

This legal disclaimer applies to purchasers and users of ROCKWOOL Limited's products manufactured by or on behalf of ROCKWOOL Limited and its affiliates.

ROCKWOOL Limited, its affiliates, its agents and employees and all persons acting on its or their behalf (collectively "ROCKWOOL"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Usage of the information remains under the sole responsibility of the purchaser and/or user.

ROCKWOOL makes no warranty, representation or guarantee regarding the information contained in the data sheet, the suitability of the products for any particular purposes or the continuing production of any product. To the maximum extent permitted by applicable law, ROCKWOOL disclaims (i) any and all liability arising out of the application, use of any product, misuse or inability to use the product (ii) any and all liability, including without limitation special, consequential or incidental damages, and (iii) any and all implied warranties, including warranties of fitness for particular purpose, non-infringement and merchantability.

Information contained in this data sheet is up-to-date as at the date of issue. As ROCKWOOL Limited cannot control or anticipate the conditions under which this product may be used, each user should review the information in specific context of the planned use. To the maximum extent permitted by law, ROCKWOOL Limited will not be responsible for damages of any nature resulting from the use or reliance upon the information contained in this data sheet. To the maximum extent permitted by law, ROCKWOOL shall not be liable for any damage resulting from handling the products or from contact with the products.

No express or implied warranties are given other than those implied by law.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of ROCKWOOL. Product names and markings noted herein may be trademarks of their respective owners.