

# FIREPRO® High Expansion Intumescent Sealant

Revision Date: 06/03/2023  
Revision No: Version 2.0 March 2023 (GB)  
Previous Version: Version 1.1 May 2021

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

### 1.1 Product identifier

Product form	Mixture
Trade name	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
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### 1.4 Emergency telephone numbers

ROCKWOOL Ltd  
Customer Support: 9am-5pm  
Tel: +44 (0) 1656 862621  
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 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

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- and EUH-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 as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

Hazard pictograms (CLP)	GHS07 GHS08		
Signal word (CLP)	Warning	GHS07	GHS08
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		
2.3 Other hazards	Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with UK 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
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 (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 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 center or doctor if you feel unwell

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

Symptoms/effects after eye contact	Eye irritation
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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. Carbon dioxide
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### 5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	Toxic fumes may be released
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### 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
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## 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. Toxic to aquatic life with long lasting effects

### 6.3 Methods and material 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 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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes

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 locked up. 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

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

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

#### Cellulose

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

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

#### Eye protection

Safety glasses. Standard: EN 166

#### 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	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 data 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 toxicological effects

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

#### Melamine (108-78-1)

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.

#### 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
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	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
Not rapidly degradable	

#### Melamine (108-78-1)

LC50 fish [1]	> 3000 mg/l
EC50 Crustacea [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

### 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

## Section 14. Transport information

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

ADR	IMDG	IATA	ADN	RID
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
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 Relevant EU provisions transposed through retained EU law	<p>Contains no UK REACH substances with Annex XVII restrictions</p> <p>Contains no substance on the UK REACH candidate list</p> <p>Contains no UK REACH Annex XIV substances that are subject to authorisation</p> <p>Contains no substance subject to GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation</p> <p>Contains no substance subject to Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)</p>
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 GB 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
2	Hazards identification	2.2 - Modified	Additional information applied to label elements
2	Hazards identification	2.3 - Modified	Additional information applied for other hazards
3	Composition/information on ingredients	3.2 - Modified	Additional information applied to composition
4	First aid measures	4.2 - Modified	Amendment to symptoms effecting the eye
6	Accidental release measures	6.2 - Modified	Additional information on environmental precautions
7	Handling and storage	7.2 - Modified	Amendment to information on storage conditions
8	Exposure controls/personal protection	8.1 - Modified	Amendments to control parameters information
8	Exposure controls/personal protection	8.2 - Modified	Additional exposure controls added
9	Physical and chemical properties	9.1 - Modified	Additional field for appearance
11	Toxicological information	11.1 - Modified	Amendments to information on toxicological effects
12	Ecological information	12.1 - Modified	Amendments to information on toxicity

## 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
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.
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.
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

The classification complies with: ATP 12

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