FIREPRO[®] High Expansion Intumescent Sealant

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

Secti	ection 1. Identification of the substance/mixture and of the company/undertaking				
1.1	Product identifier				
	Product form	Mixture			
	Trade name	High Expansion Intumescent Sealant			
	UFI	ESQE-DCEA-Y00H-7W2D			
	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 1. Identification of the substance/mixture and of the company/undertaking



Section 2. Hazards identification

2.1 Classification of the substance or mixture

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

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				
Label elements					
Labelling according to Regulat	ion (EC) No. 1272/2008 [CLP]				
Hazard pictograms (CLP)	GHS07 GHS08				
Signal word (CLP)	Warning				
Hazardous ingredients	Melamine GHS07 GHS08				
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



2.2

2.3 Other hazards	
	Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII
Component	
Melamine (108-78-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, 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%.

Component	
Melamine (108-78-1)	The substance is not 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



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
	nine substance listed ACH Candidate	(CAS-No.) 108-78-1 (EC-No.) 203-615-4	1 – 10	Repr. 2, H361
Cellulose substance with a Community workplace exposure limit Alkylphenol polypropylene glycol ether 1,2-benzisothiazol-3(2H)- one; 1,2-benzisothiazolin- 3-one reaction mass of 5-chloro-2- methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol- 3-one (3:1)			1 – 10	Not classified
		(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
		(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)
		(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	($0.0015 \le C \le 100$) Skin Sens. 1A, H317 ($0.06 \le C < 0.6$) Skin Irrit. 2, H315 ($0.06 \le C < 0.6$) Eye Irrit. 2, H319 ($0.6 \le C \le 100$) Skin Corr. 1C, H314 ($0.6 \le C \le 100$) 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			
4.3	Indication of any immediate medical attention and special treatment needed	Treat symptomatically			

Secti	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. Toxic to aquatic life with long lasting effects Methods and material for containment and cleaning up 6.3 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

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		
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 prote	ection			
Туре	Field of app	olication Characteristics Standard		
Safety gl	asses	EN 166		



8.2.2.2	Skin protection						
	Skin and body protection		Wear suitable protective clothing.				
	Hand p	rotection		Protective gloves.			
Hand pro	tection						
Туре		Material	Pe	ermeation	Thickness (mm)	Penetration	Standard
Disposab gloves	le	Vinyl, Nitrile rubber (NBR), Chloroprene rubber (CR)	2	(> 30 minutes)			EN ISO 374-1
8.2.2.3	Respiratory protection						
Respiratory protection		In case of insufficient ventilation, wear suitable respiratory equipment					
8.2.2.4	Therma	l hazards		No additional ir	nformation available	9	
8.2.3	Environmental exposure contr		ontro	ols			
	Environ controls	mental exposure		Avoid release to	o the environment		



Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

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Physical state	Liquid
Colour	Grey
Appearance	Paste
Odour	Not available
Odour threshold	Not available
Melting point	Not applicable
Freezing point	Not available
Boiling point	Not available
Flammability	Non flammable
Explosive limits	Not available
Lower explosion limit	Not available
Upper explosion limit	Not available
Flash point	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
рН	5-9
Viscosity, kinematic	Not available
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	1.3-1.4
Relative vapour density at 20°C	Not available
Particle characteristics	Not applicable
Other information	
Information with regard to physical hazard classes	No additional informatio

9.2.2 Other safety characteristics

No additional information available No additional information available



9.2

9.2.1

Section 10. Stability and reactivity	
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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 o	defined in Regulation (EC) No 1272/2008
	Acute toxicity (oral)	Not classified
	Acute toxicity (dermal)	Not classified
	Acute toxicity (inhalation)	Not classified
Alumi	nium Hydroxide (21645-51-2)	
LD50	oral rat	> 2000 mg/kg bodyweight
LC50	Inhalation - Rat	> 2.3 mg/l
Melan	nine (108-78-1)	
LC50	Inhalation - Rat	> 5.19 mg/l air
	Skin corrosion/irritation	Not classified pH: 5 – 9
Alumi	nium Hydroxide (21645-51-2)	
рН		9
	Serious eye damage/irritation	Causes serious eye irritation pH: 5 – 9
Alumi	nium Hydroxide (21645-51-2)	
рН		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.
Alumi	nium Hydroxide (21645-51-2)	
NOAE	EL (animal/male, F0/P)	1000 mg/kg bodyweight



	STOT-single exposure	Not classified
	STOT-repeated exposure	Not classified
	Aspiration hazard	Not classified
Cellulos	e	
Viscosity	γ, kinematic	Not applicable
Aluminiu	um Hydroxide (21645-51-2)	
Viscosity	y, kinematic	Not applicable
Viscosity	y, kinematic Information on other hazards	Not applicable
-		Not applicable
11.2	Information on other hazards	Not applicable



Section 12 Ecological information				
	Section 12. Ecological information			
12.1	Toxicity			
	Ecology - general		Harmful to aquatic life with long lasting effects	
	Hazardous to the aquatic environment, short-term (ac	cute)	Not classified	
	Hazardous to the aquatic environment, long-term (ch	ronic)	Harmful to aquatic life with long lasting effects	
	Not rapidly degradable			
Melam	nine (108-78-1)			
EC50 S LOEC NOEC	Crustacae [1] 2 96h algae [1] 3 (chronic) 2 (chronic) 2	> 3000 r 200 mg/ 325 mg/ > 11 mg ≥ 11 mg ≥ 5.1 mg	1 1 // //	
12.2	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 I	Intumes	cent Sealant	
	Ecology - soil		Expected to be highly mobile in soil	
12.5	Results of PBT and vPvB assessment		No additional information available	
12.6	Endocrine disrupting prope	erties	No additional information available	
12.7	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
14.1 UN number or ID number	Not applicable				
14.2 UN proper shipping name	Not applicable				
14.3 Transport hazard class(es)	Not applicable				
14.4 Packing group	Not applicable				
14.5 Environmental hazards	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 acco	ording 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 substance(s) listed on REACH Annex XVII (Restriction Conditions)
	REACH Annex XIV (Authorisation List)	Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
	REACH Candidate List (SVHC)	Contains substance(s) listed on the REACH Candidate List in concentrations \geq 0.1 % or SCL: Melamine (EC 203-615-4, CAS 108-78-1)
	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)
.2	National regulations	No additional information available
	Chemical Safety Assessment	No chemical safety assessment has been carried out

Important note:

15.1.

15.2

- This SDS for the EU 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 percautions
7	Handling and storage	7.2 - Modified	Amendement 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	Amendements to information on toxicological effects
12	Ecological information	12.1 - Modified	Amendments to information on toxicity
15	Regulatory information	15.1.1 - Added	New regulatory information provided
N/A	N/A	General	Update to REACH Amendment 2020/878



Ab	breviations	and	acronyms
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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
РВТ	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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