

FIREPRO® Acoustic Intumescent Sealant

Revision Date: 13/03/2023
Revision No: Version 4.0 March 2023 (GB)
Previous Version: Version 3.0 May 2022

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

1.1 Product identifier

Product form	Mixture
Trade name	FIREPRO® Acoustic Intumescent Sealant
Type of product	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 supplier

ROCKWOOL® Ltd, Pencoed, Bridgend, CF35 6NY
Tel: +44 (0) 1656 862621
Email of person responsible: sds@rockwool.com

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

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

EUH-statements

EUH205 - Contains epoxy constituents.
May produce an allergic reaction

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

Other hazards which do not result in classification

Dust formation

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

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]
Calcium Carbonate	(CAS-No.) 471-34-1 (EC-No.) 207-439-9	30-50	Not classified
Aluminium Hydroxide	(CAS-No.) 21645-51-2 (EC-No.) 244-492-7 (REACH-no) 01-2119529246-39	10-30	Not classified
Titanium Dioxide	(CAS-No.) 13463-67-7 (EC-No.) 236-675-5 (EC Index-No.) 022-006-00-2 (REACH-no) 01-2119489379-17	<1	Carc. 2, H351
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	<1	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	<1	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

Name	Product identifier	Specific concentration limit
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

Comments: Titanium dioxide

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1% or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm. 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 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 a doctor if you feel unwell

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects	Immediate effects can be expected after short term exposure
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
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5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Toxic fumes may be released
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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

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 materials for containment and cleaning up

Methods for cleaning up Ventilate spillage area. Shovel or sweep up and put in a closed container for disposal. Take up liquid spill into absorbent material. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Prevent the product from entering drains or confined areas

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

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

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

Incompatible materials Strong acids

7.3 Specific end use(s) No additional information available

Section 8. Exposure controls / personal protection

8.1 Control parameters

Calcium carbonate (471-34-1)

Local name	Calcium carbonate (Limestone, Marble)
WEL TWA (OEL TWA) [1]	10 mg/m ³ total inhalable 4 mg/m ³ respirable
WEL STEL (OEL STEL)	4 mg/m ³
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE


Aluminium Hydroxide (21645-51-2)

WEL TWA (OEL TWA) [1]	10 mg/m ³ total dust 4 mg/m ³ respirable dust
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Titanium Dioxide (13463-67-7)

Local name	Titanium dioxide
WEL TWA (OEL TWA) [1]	10 mg/m ³ total inhalable 4 mg/m ³ respirable
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

8.2 Exposure controls

Appropriate engineering controls	Ensure good ventilation of the work station
Personal Protective Equipment	Dust formation: dust mask. Gloves
Hand protection	Disposable gloves : Standard EN ISO 374
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:	White. Grey. Light Grey. Black. Red. Brown
Odour:	Acrylic-like
Odour threshold:	No data available
pH:	6.5 – 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:	Not applicable
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Density:	1.56 – 1.66 g/cm ³
Solubility:	No data available
Partition coefficient n-octanol/water (Log Pow):	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	300000 – 900000 cP
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 toxicological effects

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

Calcium carbonate (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)

Aluminium Hydroxide (21645-51-2)

LD50 oral rat	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	> 2.3 mg/l

Titanium Dioxide (13463-67-7)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
LC50 Inhalation - Rat	> 6.8 mg/l/4h

Skin corrosion/irritation	Not classified pH 6.5 - 9
Serious eye damage/irritation	Not classified pH 6.5 - 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

Calcium carbonate (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

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

Calcium carbonate (471-34-1)

LC50 - Fish [1] > 10000

EC50 - Crustacea [1] > 1000

EC50 72h - Algae [1] > 200 mg/l

Titanium Dioxide (13463-67-7)

LC50 - Fish [1] > 1000 mg/

EC50 - Crustacea [1] > 1000 mg/

EC50 - Other aquatic organisms [1] > 100 mg/l Test organisms (species)

EC50 72h - Algae [1] > 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

LOEC (chronic) 5 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

NOEC (chronic) ≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2 Persistence and degradability

No additional information available

12.3 Bioaccumulative potential

FIREPRO® Acoustic Intumescent Sealant

Bioaccumulative potential

Not potentially bioaccumulable

Calcium carbonate (471-34-1)

Partition coefficient n-octanol/water (Log Pow) < 1

12.4 Mobility in soil

FIREPRO® Acoustic Intumescent Sealant

Ecology - soil

Product adsorbs onto the soil. Liquid product:
Readily absorbed into soil

12.5 Results of PBT and vPvB assessment

FIREPRO® Acoustic Intumescent Sealant

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

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

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 for the substance or the mixture by the supplier

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
1	Identification of the substance /mixture and of the company/ undertaking	1.1 - Modified	Change to trade name
2	Hazards identification	2.1 - Modified	Changes to information relating to the classification of the substance/mixture
2	Hazards identification	2.2 - Added	Inclusion of EUH205 and EUH210 references and other additional information
2	Hazards identification	2.3 - Added	Dust formation hazard
3	Composition/information on ingredients	3.2 - Modified	Inclusion of Isothiazolinones and Titanium Dioxide
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	5.2 - Modified	Inclusion of information on thermal decomposition
5	Firefighting measures	5.3 - Modified	Modified information on firefighting protection
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 - Added	Further information on safe handling and hygiene measures
7	Handling and storage	7.2 - Added	Information on incompatible products
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 for dust formation.
9	Physical and chemical properties	9.1 - Modified	Updated information on physical and chemical properties
10	Stability and reactivity	10.3 - Modified	Modified information on hazardous reactions
10	Stability and reactivity	10.4 - Modified	Updated information and references
10	Stability and reactivity	10.6 - Modified	Updated information

11	Toxicological information	11.1 - Added	Additional toxicological information added
12	Ecological information	12.1 - Added	Additional ecological information added
12	Ecological information	12.2 - Modified	Modification to information relating to persistence and degradability
12	Ecological information	12.3 - Added	Information on bioaccumulative potential
12	Ecological information	12.4 - Added	Information on mobility in soil
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	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	Median lethal dose
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OEL	Occupational Exposure Limit

Abbreviations and acronyms

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

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
Carc. 2	Carcinogenicity, Category 2
EUH205	Contains epoxy constituents. May produce an allergic reaction
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
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 severe skin burns and eye damage
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
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Full text of H- and EUH-statements

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

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