

# Siderise FR-X Fire Rated Wet Zone Sealant

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

### 1.1 Product identifier

Siderise FR-X Fire Rated Wet Zone Sealant.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

PC1: Adhesives, Sealants.

### 1.3 Details of the supplier of the safety data sheet

Siderise Insulation Ltd.

Forge Industrial Estate, Maesteg, Bridgend CF34 0AH

United Kingdom

Tel: +44 (0)1656 730 833

Fax: +44 (0)1656 812 509

Email: [technical.services@siderise.com](mailto:technical.services@siderise.com)

Web: [www.siderise.com](http://www.siderise.com)

### 1.4 Emergency telephone number

Siderise office 9am to 5pm - Tel: +44 (0)1656 730 833

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### 2.2 Label elements

Signal word: Not applicable.

Hazard statement(s): Not applicable.

Precautionary statement(s):

General: -

Prevention: -

Response: -

Storage: -

Disposal: -

Hazardous substances: 3-iodo-2-propynyl butylcarbamate.

Additional labelling: EUH210, Safety data sheet available on request.

### 2.3 Other hazards

Additional warnings: This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

## Section 3. Composition / information on ingredients

### 3.1 Substances

Not applicable. This product is a mixture.

### 3.2 Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Isotridecanol, ethoxylated	CAS No.: 69011-36-5 EC No.: 500-241-6 UK-REACH: Index No.:	<0.25%	Aquatic Acute 1, H400 (M=1) Aquatic Chronic 3, H412	[19]
3-iodo-2-propynyl butylcarbamate	CAS No.: 55406-53-6 EC No.: 259-627-5 UK-REACH: Index No.: 616-212-00-7	<0.05%	Acute Tox. 4, H302 Skin Sens. 1, H317 Eye Dam. 1, H318 Acute Tox. 3, H331 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	
ethanediol;ethylene glycol	CAS No.: 107-21-1 EC No.: 203-473-3 UK-REACH: Index No.: 603-027-00-1	<0.05%		

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information: [19] UVCB = Unknown or variable composition, complex reaction products or of biological materials.

## Section 4. First aid measures

### 4.1 Description of first aid measures

**General information:** In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

**Inhalation:** Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

**Skin contact:** Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

**Eye contact:** If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

**Ingestion:** If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

**Burns:** Not applicable.

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

None known.

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

**IF exposed or concerned:** Get immediate medical advice/attention.

**Information to medics:** Bring this safety data sheet or the label from this product.

## Section 5. Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** Alcohol-resistant foam, carbon dioxide, powder, water mist.

**Unsuitable extinguishing media:** Waterjets should not be used, since they can spread the fire.

### 5.2 Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fireextinguishing water to enter the sewage system and nearby surface waters. If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are: Carbon oxides (CO / CO<sub>2</sub>).

### 5.3 Advice for firefighters

Fire fighters should wear appropriate personal protective equipment.

## Section 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

### 6.2 Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. Keep unauthorized persons away from the spill.

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

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

#### 6.4 Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## Section 7. Handling and storage

### 7.1 Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### 7.2 Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material: Keep only in original packaging.

Storage conditions: 5 - 30°C. Dry, cool and well ventilated.

Incompatible materials: Strong acids. Strong oxidizing agents.

### 7.3 Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## Section 8. Exposure controls / personal protection

### 8.1 Control parameters

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ].

Long term exposure limit (8 hours) ( $\text{mg}/\text{m}^3$ ): 10(inhalable)/4(respirable).

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.  
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL/PNEC: No data available.

### 8.2 Exposure controls

Apply general control to prevent unnecessary exposure.

General recommendations: Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios: There are no exposure scenarios implemented for this product.

Exposure limits: Occupational exposure limits have not been defined for the substances in this product.

Appropriate technical measures: Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures: In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure: No specific requirements.

### Individual protection measures, such as personal protective equipment

Generally: Wash contaminated clothing before reuse. Take off contaminated clothing and wash it before reuse.  
Use only UKCA marked protective equipment.

#### Respiratory Equipment:

Type: No special when used as intended.

Class:

Colour:

Standards:

#### Skin protection:

Recommended: Dedicated work clothing should be worn.

Type/Category: -

Standards: -

**Hand protection:**

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
No special when used as intended	-	-	-
Butyl	0,3	> 30	EN374-2, EN374-3, EN388
Nitrile	0.1		EN374-2, EN388

**Eye protection:**

Type: Safety glasses

Standards: EN166.

## Section 9. Physical and chemical properties

**9.1 Information on basic physical and chemical properties**

Physical state: Paste.

Colour: Various colours.

Odour / Odour threshold: Characteristic.

pH: 8.0.

Density (g/cm<sup>3</sup>): 1.35 (20 °C).

Kinematic viscosity: 1,800,000 centistokes (20 °C).

Particle characteristics: Not applicable.

**Phase changes**

Melting point/Freezing point (°C): Not applicable.

Softening point/range (°C): No data available.

Boiling point (°C): Not applicable.

Vapour pressure: Not applicable.

Relative vapour density: Not applicable.

Decomposition temperature (°C): Not applicable.

**Data on fire and explosion hazards**

Flash point (°C): Not applicable.

Flammability (°C): The material is not combustible.

Auto-ignition temperature (°C): Not applicable.

Lower and upper explosion limit (% v/v): Not applicable.

**Solubility**

Solubility in water: Completely soluble.

n-octanol/water coefficient (LogKow): No relevant or available data due to the nature of the product.

Solubility in fat (g/L): Not applicable.

**9.2 Other information**

Dust explosion class: St0 (No explosion).

Evaporation rate (n-butylacetate = 100): Not applicable.

VOC (g/L): 4.

Other physical and chemical parameters: No data available.

Oxidizing properties: Not applicable.

## Section 10. Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

### 10.3 Possibility of hazardous reactions

None known.

### 10.4 Conditions to avoid

None known.

### 10.5 Incompatible materials

Strong oxidising agents. Strong acids.

### 10.6 Hazardous decomposition products

The product is not degraded when used as specified in section 1.

## Section 11. Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory sensitisation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

### 11.2 Information on other hazards

Long term effects: None known.

Endocrine disrupting properties: This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

Other information: titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ] has been classified by IARC as a group 2B carcinogen.

## Section 12. Ecological information

### 12.1 Toxicity

No data available.

### 12.2 Persistence and degradability

Based on available data, the classification criteria are not met.

### 12.3 Bio-accumulative potential

Based on available data, the classification criteria are not met.

#### 12.4 Mobility in soil

No data available.

#### 12.5 Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

#### 12.6 Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

#### 12.7 Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

### Section 13. Disposal consideration

#### 13.1 Waste treatment methods

Product is not covered by regulations on dangerous waste. Refer to manufacturer or supplier for information on recovery or recycling. Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code: 08 04 10 Waste adhesives and sealants other than those mentioned in 08 04 09.

Specific labelling: Not applicable.

Contaminated packing: Packaging containing residues of the product must be disposed of similarly to the product.

### Section 14. Transport information

#### 14.1 Transport hazard class

This product does not require a classification for transport.

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

Additional information: Not dangerous goods according to ADR, IATA and IMDG.

#### 14.6 Special precautions for user

Not applicable.

#### 14.7 Maritime transport in bulk according to IMO instruments

No data available.

\* Packing group \*\* Environmental hazards

## Section 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Restrictions for application: Restricted to professional users. People under the age of 18 shall not be exposed to this product.

Demands for specific education: No specific requirements.

SEVESO - Categories / dangerous substances: Not applicable.

Additional information: Not applicable.

Sources: Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law. Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

### 15.2 Chemical safety assessment

No.

## Section 16. Other information

### Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.

H317, May cause an allergic skin reaction.

H318, Causes serious eye damage.

H331, Toxic if inhaled.

H372, Causes damage to organs through prolonged or repeated exposure.

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.

H412, Harmful to aquatic life with long lasting effects.

### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue



GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### **Additional information**

Not applicable.

#### **The safety data sheet is validated by:**

Sean Hiron.

#### **Other**

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle. The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products. It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification. Country-language: GB-en.

## Further information

### Technical support

For further information please contact our technical team at the address below.

### Products and technical information

Visit our website for product information and free technical downloads.

<b>Company</b>	Siderise Insulation Ltd, Forge Industrial Estate, Maesteg Bridgend CF34 0AH, United Kingdom
<b>Version</b>	1.00
<b>Revised on</b>	1 November 2024
<b>Authorised by</b>	Sean Hirons
<b>Product name</b>	Siderise Fire and Acoustic Gap Sealant
<b>Replaces version</b>	v1.01 October 2019
<b>Changes made</b>	Rebrand
<b>Additional Information</b>	-

The information published herein is given in good faith and is believed to be accurate at the time of publication. Please check that this version is current. Siderise has a policy of continuous product improvement and reserves the right to alter or amend the specifications of products without prior notice. Siderise does not accept responsibility or the consequences of using the products and systems described outside of any given recommendations within this document or its other official documentation. Recommendations for use should be verified regarding the suitability and compliance with actual requirements, specifications and any applicable laws, codes, and regulations. Expert advice should be sought where there is any doubt about the correct specification or installation of Siderise products and systems.