

Siderise FR-A Fire Rated Dry Zone Sealant

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

1.1 Product identifier

Siderise FR-A Fire Rated Dry 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.

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United Kingdom

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1.4 Emergency telephone number

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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

Hazard pictogram(s): Not applicable.

Signal word: Not applicable.

Hazard statement(s): Not applicable.

Precautionary statements: -

General: Keep out of reach of children. (P102)

Prevention: -

Response:

IF ON SKIN: Gently wash with plenty of soap and water. (P302+P350)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. (P305+P351+P338)

Storage: -

Disposal: -

Hazardous substances: ethanediol;ethylene glycol 3-iodo-2-propynyl butylcarbamate;3-iodoprop-2-yn-1-yl butylcarbamate 1,2-benzisothiazol-3(2H)-one;1,2-benzisothiazolin-3-one.

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

2.3 Other hazards

Additional warnings: This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB. 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) 2018/605.

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
ethanediol;ethylene glycol	CAS No.: 107-21-1 EC No.: 203-473-3 UK-REACH: Index No.: 603-027-00-1	<0.1%	Acute Tox. 4, H302 STOT RE 2, H373	[1]
3-iodo-2-propynyl butylcarbamate;3-iodoprop-2-yn-1-yl 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)	10-30%

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

Other information: [1] European occupational exposure limit.

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: Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. 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 / CO₂).

Some metal oxides.

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. In the event of leakage to the surroundings, contact local environmental authorities.

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 temperature: 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

ethanediol;ethylene glycol.

Long term exposure limit (8 hours) (ppm): 20(vapour).

Long term exposure limit (8 hours) (mg/m³): 10(particulate)/52(vapour).

Short term exposure limit (15 minutes) (ppm): 40 (vapour).

Short term exposure limit (15 minutes) (mg/m³): 104 (vapour).

Annotations:

Sk = Can be absorbed through the skin and lead to systemic toxicity.

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

8.1.2 DNEL / PNEC

No data available.

8.2 Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

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: Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures: The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

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. Always wash 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): 1.6 (20 °C).

Kinematic viscosity: 1,500,000 centistokes (20 °C).

Particle characteristics: Not applicable.

Phase changes

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

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: Testing not relevant or not possible 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 acids.

Strong oxidizing agents.

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: Not applicable.

Other information: None known.

Section 12. Ecological information

12.1 Toxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bio-accumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6 Endocrine disrupting properties

Not applicable.

12.7 Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms. This product contains substances, which may cause adverse long-term effects to the aquatic environment.

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

	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.

* Packing group ** Environmental hazards

14.7 Maritime transport in bulk according to IMO instruments

No data available.

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.

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.

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.

EWC = European Waste Catalogue.

GHS = Globally Harmonized System of Classification and Labelling of Chemicals.

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 Hirons.

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.

Company	Siderise Insulation Ltd, Forge Industrial Estate, Maesteg Bridgend CF34 0AH, United Kingdom
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Changes made	Rebrand
Additional Information	-

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