

SAFETY DATA SHEET

Reactive sealant

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

SECTION 1: Identification of the substance / mixture and of the company / undertaking

Date issued	16.09.2019
Revision date	25.03.2024

1.1. Product identifier

Product name	Reactive sealant
Synonyms	FireStop 400
Article no.	100731, 100733

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

Use of the substance / mixture	Sealant
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1.3. Details of the supplier of the safety data sheet

Company name	Fireseal AB
Postal address	Esbogatan 14
Postcode	SE-164 74
City	Kista
Country	Sweden
Email	info@fireseal.se

1.4. Emergency telephone number

Emergency telephone	Telephone number: 112 Description: SOS.
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Substance / mixture hazardous properties	Not regarded as a health or environmental hazard under current legislation.
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2.2. Label elements

Hazard statements	EUH 208 Contains 5-klor-2-metyl-2H-isotiazol-3-on och 2-metyl-2Hisotiazol- 3-on (3:1). May produce an allergic reaction.
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2.3. Other hazards

Environmental effects	Not Classified as PBT/vPvB by current EU criteria.
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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
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 Index No.: 613-167-00-5 REACH Reg. No.: 02-2119677941-26, 01-2120764691-48	Acute Tox. 2; H330 Acute Tox. 2; H310 Acute Tox. 3; H301 Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400; M-factor 100 Aquatic Chronic 1; H410; M-factor 100	< 0,001 %	
Substance comments	The full text for all hazard statements is displayed in section 16.			

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Get medical attention if any discomfort continues. Do not give victim anything to drink if he is unconscious. Place unconscious person on the side in the recovery position and ensure breathing.
Inhalation	Provide rest, warmth and fresh air.
Skin contact	Wash the skin immediately with soap and water. Take off contaminated clothing and wash before reuse.
Eye contact	Immediately rinse with water. Make sure to remove any contact lenses from the eyes before rinsing. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth with water. Do not induce vomiting. Get medical attention.

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

General symptoms and effects	Treat symptomatically.
Acute symptoms and effects	Eye irritation. Skin irritation. Contains 5-klor-2-metyl-2H-isotiazol-3-on och 2-metyl-2H-isotiazol-3-on (3:1). May produce an allergic reaction.

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

Medical treatment	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Alcohol resistant foam. Carbon dioxide (CO ₂). Powder.
Improper extinguishing media	Waterjet.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	During fire, gases hazardous to health may be formed.
Hazardous combustion products	Harmful fumes. Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitrous gases (NO _x).

5.3. Advice for firefighters

Personal protective equipment	Use personal protective equipment as required.
Fire fighting procedures	Containers close to fire should be removed or cooled with water. Dike and collect extinguishing water. Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	For personal protection, see section 8.
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6.2. Environmental precautions

Environmental precautionary measures	Avoid discharge into drains, water courses or onto the ground. Contact local authorities in case of spillage to drain/aquatic environment.
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6.3. Methods and material for containment and cleaning up

Containment	Absorb in vermiculite, dry sand or earth and place into containers. For waste disposal, see section 13.
Clean up	Do not use solvents.

6.4. Reference to other sections

Other instructions	See section 7, 8 and 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Observe good chemical hygiene practices. Avoid eating, drinking and smoking when using the product. Provide good ventilation. Avoid contact with skin and eyes. Provide easy access to water supply and eye wash facilities. Avoid inhalation of vapours and spray mists.
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7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep only in original container. Store above freezing.
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Conditions to avoid	Avoid contact with oxidising agents. Alkalis. Acids.
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Conditions for safe storage

Storage temperature	Value: > 5 °C
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7.3. Specific end use(s)

Specific use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Control parameters comments	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
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8.2. Exposure controls

Precautionary measures to prevent exposure

Appropriate engineering controls	Well-ventilated area. Provide eyewash, quick drench.
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Eye / face protection

Suitable eye protection	Wear tight-fitting goggles or face shield.
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Hand protection

Skin- / hand protection, short term contact	Nitrile gloves are recommended.
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Skin- / hand protection, long term contact	Laminate (PE/EVOH) gloves are recommended.
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Suitable gloves type	(EN 374)
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Suitable materials	Wear protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.
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Skin protection

Skin protection remark	Wear appropriate clothing to prevent reasonably probable skin contact. Anti-static suit.
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Respiratory protection

Respiratory protection necessary at	In case of inadequate ventilation wear respiratory protection.
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Recommended respiratory protection	Mask type: Use respiratory equipment with combination filter, type A2/P2.
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Respiratory protection, comments	Under normal conditions of use respiration protection should not be required.
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Appropriate environmental exposure control

Environmental exposure controls	Avoid release to the environment.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Cream / paste
Physical state	Paste.
Colour	Varying.
Odour	Sweetish.
Odour limit	Comments: Data lacking.
pH	Status: In delivery state Comments: Data lacking.
Melting point / melting range	Comments: Data lacking.
Freezing point	Comments: No information.
Boiling point / boiling range	Value: 100 °C
Flash point	Value: > 93,3 °C Comments: closed cup
Evaporation rate	Comments: Langsommere enn eterfasen
Flammability	Data lacking.
Explosion limit	Comments: Data lacking.
Vapour pressure	Value: 2,3 kPa
Vapour density	Comments: Data lacking.
Relative density	Value: 1,518
Density	Comments: Data lacking.
Bulk density	Comments: Data lacking.
Solubility	Comments: Data lacking.
Partition coefficient: n-octanol/ water	Comments: Data lacking.
Auto-ignition temperature	Comments: Data lacking.
Decomposition temperature	Comments: Data lacking.
Viscosity	Value: > 20,5 mm ² /s Temperature: 40 °C Type: Kinematic

9.2. Other information

Other physical and chemical properties

Physical and chemical properties	No recommendation given.
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9.2.2. Other safety characteristics

Comments	Heat of combustion: 0.106 kJ/g
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal conditions.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat.
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10.5. Incompatible materials

Materials to avoid	Avoid contact with oxidising agents. Strong acids. Strong alkalis.
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10.6. Hazardous decomposition products

Hazardous decomposition products	When heated, vapours/gases hazardous to health may be formed. Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitrogen compounds.
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SECTION 11: Toxicological information

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

Acute toxicity	Effect tested: LD50 Route of exposure: Oral Value: 53 mg/kg Species: Rat Comments: CAS: 55965-84-9
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Other information regarding health hazards

Assessment of acute toxicity, classification	No specific health warnings noted.
Assessment of skin corrosion / irritation, classification	No specific health warnings noted.
Assessment of eye damage or irritation, classification	No specific health warnings noted.
Assessment of respiratory sensitisation, classification	No specific health warnings noted.
Assessment of skin sensitisation, classification	The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.
Assessment of germ cell mutagenicity, classification	No specific health warnings noted.

Assessment of carcinogenicity, classification	No specific health warnings noted.
Assessment of reproductive toxicity, classification	No specific health warnings noted.
Assessment of specific target organ toxicity - single exposure, classification	No specific health hazard indicated.
Assessment of specific target organ toxicity - repeated exposure, classification	No specific health warnings noted.
Assessment of aspiration hazard, classification	No specific health warnings noted.

Symptoms of exposure

In case of ingestion	No specific symptoms noted.
In case of skin contact	Prolonged or repeated contact leads to drying of skin. May cause irritation.
In case of inhalation	Vapour may irritate respiratory system or lungs.
In case of eye contact	May irritate and cause redness and pain.

11.2 Other information

Endocrine disruption	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.
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SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity	Not classified as dangerous to the environment.
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12.2. Persistence and degradability

Persistence and degradability description/evaluation	No data available.
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12.3. Bioaccumulative potential

Bioaccumulation, evaluation	No data available on bioaccumulation.
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12.4. Mobility in soil

Mobility evaluation	No data available.
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12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not Classified as PBT/vPvB by current EU criteria.
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12.6. Endocrine disrupting properties

Endocrine disrupting properties	This product does not contain any substances considered to be endocrine
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disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Additional ecological information No information.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical Avoid release to the environment. Collect spillage. Dispose of waste and residues in accordance with local authority requirements.

EWC waste code EWC waste code: 080410 waste adhesives and sealants other than those mentioned in 08 04 09
Classified as hazardous waste: No

EWL packing EWC waste code: 150102 plasticpackaging
Classified as hazardous waste: No

SECTION 14: Transport information

Dangerous goods No

14.1. UN number

Comments Not relevant.

14.2. UN proper shipping name

Comments Not relevant.

14.3. Transport hazard class(es)

Comments Not relevant.

14.4. Packing group

Comments Not relevant.

14.5. Environmental hazards

Comments Not relevant.

14.6. Special precautions for user

Special safety precautions for user Not relevant.

14.7. Maritime transport in bulk according to IMO instruments

ICAO/IATA Other information

Other transport, general Not relevant.

SECTION 15: Regulatory information

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

Nanomaterial	No
Legislation and regulations	<p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.</p> <p>Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (REACH).</p> <p>The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).</p>

15.2. Chemical safety assessment

Chemical safety assessment performed	No
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SECTION 16: Other information

Supplier's notes	The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.
List of relevant H-phrases (Section 2 and 3)	<p>H301 Toxic if swallowed.</p> <p>H310 Fatal in contact with skin.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H330 Fatal if inhaled.</p> <p>H400 Very toxic to aquatic life.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p>
Key literature references and sources for data	MSDS supplied by the manufacturer
Information added, deleted or revised	Relevant changes compared to the previous version of the safety data sheet are indicated with verticle lines in the left margin.
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