

**SAFETY DATA SHEET****Reactive**

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 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

**1.1. Product identifier**

Product name Reactive  
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 / preparation Sealant

**1.3. Details of the supplier of the safety data sheet**

Company name Fireseal AB  
Postal address Esbogatan 14  
Postcode 164 74  
City Kista  
Country Sverige  
Email [anders.wigant@fireseal.se](mailto:anders.wigant@fireseal.se)  
Contact person Anders Wigant

**1.4. Emergency telephone number**

Emergency telephone Telephone number: 112  
Description: SOS.

**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.

**2.2. Label elements**

|                                |  |
|--------------------------------|--|
| Hazard statements              | EUH 208 Contains A mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction. |
| Supplemental label information | Not classified.  |

### 2.3. Other hazards

|                       |  |
|-----------------------|--|
| Environmental effects | Not Classified as PBT/vPvB by current EU criteria. |
|-----------------------|--|

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

| Substance  | Identification  | Classification  | Contents   | Notes |
|--|---|---|------------|-------|
| Polybutene   |   | Asp. Tox. 1; H304   | < 10 %     |       |
| A mixture of:<br>5-chloro-2-methyl-4-isothiazolin-3-one<br>[EC no. 247-500-7] and 2-methyl-2H<br>-isothiazol-3-one [EC no. 220-239-6]<br>(3:1) | CAS No.: 55965-84-9<br>Index No.:<br>613-167-00-5                   | Acute Tox. 3; H331<br>Acute Tox. 3; H311<br>Acute Tox. 3; H301<br>Skin Corr. 1B; H314<br>Skin Sens. 1; H317<br>Aquatic Acute 1;<br>H400; M-factor 1<br>Aquatic Chronic 1;<br>H410; M-factor 1<br>Eye Dam. 1; H318 | < 0,0015 % |       |
| 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

|              |   |
|--------------|---|
| Inhalation   | 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. |

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

|                   |                        |
|-------------------|------------------------|
| Medical treatment | Treat Symptomatically. |
|-------------------|------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                              |  |
|------------------------------|--|
| Suitable extinguishing media | Foam, carbon dioxide or dry powder.                                    |
| Improper extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |

## 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 <sub>2</sub> ). Carbon monoxide (CO). Nitrous gases (NO <sub>x</sub> ). |

## 5.3. Advice for firefighters

|                               |  |
|-------------------------------|--|
| Personal protective equipment | Use personal protective equipment as required. Wear protective gloves / protective clothing / eye protection / face protection.                                |
| Fire fighting procedures      | Containers close to fire should be removed or cooled with 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. |
|------------------------------|---|

### 6.2. Environmental precautions

|                                      |  |
|--------------------------------------|--|
| Environmental precautionary measures | Avoid discharge into drains, water courses or onto the ground. |
|--------------------------------------|--|

### 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. |
|-------------|---|

### 6.4. Reference to other sections

|                    |                          |
|--------------------|--------------------------|
| Other instructions | See section 7, 8 and 13. |
|--------------------|--------------------------|

## 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. |
|----------|--|

### 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. |
| Conditions to avoid | Avoid contact with oxidising agents. Alkalis. Acids.  |

### Conditions for safe storage

|                     |               |
|---------------------|---------------|
| Storage temperature | Value: > 5 °C |
|---------------------|---------------|

### 7.3. Specific end use(s)

|                 |   |
|-----------------|---|
| Specific use(s) | The identified uses for this product are detailed in Section 1.2. |
|-----------------|---|

## SECTION 8: Exposure controls / personal protection

### 8.1. Control parameters

|                             |               |
|-----------------------------|---------------|
| Control parameters comments | Not relevant. |
|-----------------------------|---------------|

### 8.2. Exposure controls

#### Precautionary measures to prevent exposure

|                                  |                       |
|----------------------------------|-----------------------|
| Appropriate engineering controls | Well-ventilated area. |
|----------------------------------|-----------------------|

#### Eye / face protection

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

#### Hand protection

|   |                                 |
|---|---------------------------------|
| Skin- / hand protection, short term contact | Nitrile gloves are recommended. |
|---|---------------------------------|

|  |  |
|--|--|
| Skin- / hand protection, long term contact | Laminate (PE/EVOH) gloves are recommended. |
|--|--|

|                      |          |
|----------------------|----------|
| Suitable gloves type | (EN 374) |
|----------------------|----------|

|                    |  |
|--------------------|--|
| 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. |
|--------------------|--|

#### Skin protection

|                        |  |
|------------------------|--|
| Skin protection remark | Wear appropriate clothing to prevent reasonably probable skin contact. |
|------------------------|--|

#### Respiratory protection

|                                  |   |
|----------------------------------|---|
| Respiratory protection, comments | Under normal conditions of use respiration protection should not be required. |
|----------------------------------|---|

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                |                 |
|----------------|-----------------|
| Physical state | Paste. Viscous. |
|----------------|-----------------|

|        |          |
|--------|----------|
| Colour | Varying. |
|--------|----------|

|       |           |
|-------|-----------|
| Odour | Sweetish. |
|-------|-----------|

|             |                         |
|-------------|-------------------------|
| Odour limit | Comments: Data lacking. |
|-------------|-------------------------|

|    |  |
|----|--|
| pH | Status: In delivery state<br>Comments: Data lacking. |
|----|--|

|  |   |
|--|---|
| Melting point / melting range              | Comments: Data lacking.                   |
| Freezing point                             | Comments: No information.                 |
| Boiling point / boiling range              | Value: 100 -101 °C                        |
| Flash point                                | Value: > 93,3 °C                          |
| Evaporation rate                           | Comments: Data lacking.                   |
| Flammability (solid, gas)                  | Data lacking.                             |
| Explosion limit                            | Comments: Data lacking.                   |
| Vapour pressure                            | Value: 2,3 kPa<br>Temperature: 20 °C      |
| Vapour density                             | Comments: Data lacking.                   |
| Relative density                           | Value: 1,5                                |
| Bulk density                               | Comments: Data lacking.                   |
| Solubility                                 | Comments: Data lacking.                   |
| Partition coefficient: n-octanol/<br>water | Comments: Data lacking.                   |
| Spontaneous combustability                 | Comments: Data lacking.                   |
| Decomposition temperature                  | Comments: Data lacking.                   |
| Viscosity                                  | Comments: Data lacking.                   |
| Explosive properties                       | Not relevant.                             |
| Oxidising properties                       | Does not meet the criteria for oxidising. |

## 9.2. Other information

### Other physical and chemical properties

|          |                 |
|----------|-----------------|
| Comments | No information. |
|----------|-----------------|

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

|            |   |
|------------|---|
| Reactivity | There are no known reactivity hazards associated with this product. |
|------------|---|

### 10.2. Chemical stability

|           |   |
|-----------|---|
| Stability | Stable under normal temperature conditions and recommended use. |
|-----------|---|

### 10.3. Possibility of hazardous reactions

|                                    |            |
|------------------------------------|------------|
| Possibility of hazardous reactions | Not known. |
|------------------------------------|------------|

### 10.4. Conditions to avoid

|                     |             |
|---------------------|-------------|
| Conditions to avoid | Avoid heat. |
|---------------------|-------------|

## 10.5. Incompatible materials

|                    |  |
|--------------------|--|
| Materials to avoid | Strong oxidising substances. Strong acids. Alkalies. |
|--------------------|--|

## 10.6. Hazardous decomposition products

|                                  |  |
|----------------------------------|--|
| Hazardous decomposition products | When heated, vapours/gases hazardous to health may be formed. Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Nitrogen compounds. |
|----------------------------------|--|

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### 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.   |
| Sensitisation  | Contains A mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction. |
| Mutagenicity   | No specific health warnings noted.   |
| Carcinogenicity, other information   | No specific health warnings noted.   |
| Reproductive toxicity  | 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 recommendation given.   |
| Assessment of aspiration hazard, classification                                  | No specific health warnings noted.   |

#### Symptoms of exposure

|                         |  |
|-------------------------|--|
| In case of ingestion    | May irritate and cause malaise.                  |
| In case of skin contact | 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.         |

## SECTION 12: Ecological information

### 12.1. Toxicity

|             |   |
|-------------|---|
| Ecotoxicity | Not classified as dangerous to the environment. |
|-------------|---|

## 12.2. Persistence and degradability

|  |                 |
|--|-----------------|
| Persistence and degradability description/evaluation | No information. |
|--|-----------------|

## 12.3. Bioaccumulative potential

|                           |                 |
|---------------------------|-----------------|
| Bioaccumulation, comments | No information. |
|---------------------------|-----------------|

## 12.4. Mobility in soil

|          |                 |
|----------|-----------------|
| Mobility | No information. |
|----------|-----------------|

## 12.5. Results of PBT and vPvB assessment

|                                    |  |
|------------------------------------|--|
| Results of PBT and vPvB assessment | Not Classified as PBT/vPvB by current EU criteria. |
|------------------------------------|--|

## 12.6. Other adverse effects

|                                   |                 |
|-----------------------------------|-----------------|
| Additional ecological information | No information. |
|-----------------------------------|-----------------|

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                |   |
|----------------|---|
| EWC waste code | EWC waste code: 05 04 10<br>Classified as hazardous waste: No |
|----------------|---|

## SECTION 14: Transport information

|                 |    |
|-----------------|----|
| Dangerous goods | No |
|-----------------|----|

### 14.1. UN number

|          |                          |
|----------|--------------------------|
| Comments | No recommendation given. |
|----------|--------------------------|

### 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

|           |               |
|-----------|---------------|
| ICAO/IATA | Not relevant. |
|-----------|---------------|

## 14.6. Special precautions for user

Special safety precautions for user Not relevant.

## 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

### 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

#### Legislation and regulations

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.

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).

The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895).

### 15.2. Chemical safety assessment

Chemical safety assessment performed No

## 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)

H301 Toxic if swallowed.  
 H304 May be fatal if swallowed and enters airways.  
 H311 Toxic in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H331 Toxic if inhaled.  
 H400 Very toxic to aquatic life.  
 H410 Very toxic to aquatic life with long lasting effects.

#### Key literature references and sources for data

MSDS supplied by the manufacturer

#### Information added, deleted or revised

Re-formulation. No change in classification.



|         |   |
|---------|---|
| Version | 1 |
|---------|---|