

SAFETY DATA SHEET**Fire Barrier**

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 27.04.2020

1.1. Product identifier

Product name Fire Barrier
Synonyms Takfotsband/Cavity Barrier
Article no. 100912

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

Use of the substance / preparation Expands upon heating to act as a fire stop. The main application is in fire protection.

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
Contact person Anders Wigant

1.4. Emergency telephone number

Emergency telephone Telephone number: 112
Description: In case of emergency

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

| | |
|--------------------------------|-----------------|
| Supplemental label information | Not classified. |
|--------------------------------|-----------------|

2.3. Other hazards

| | |
|------------|------------------|
| PBT / vPvB | Not PBT or vPvB. |
|------------|------------------|

SECTION 3: Composition / information on ingredients

3.2. Mixtures

| | |
|----------------------------|---|
| Composition type | Mixture |
| Description of the mixture | Mineral fibers, graphite, organic fibers and adhesives. |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|---|
| Inhalation | No specific first aid measures noted. |
| Skin contact | No recommendation given. |
| Eye contact | Rinse with water. Contact physician if discomfort continues. |
| Ingestion | Drink plenty of water. Get medical attention if any discomfort continues. |

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

| | |
|------------------------------|------------|
| General symptoms and effects | Not known. |
|------------------------------|------------|

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

| | |
|-------------------|-----------------|
| Other information | No information. |
|-------------------|-----------------|

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | Foam, carbon dioxide or dry powder. Water spray. |
| Improper extinguishing media | None known. |

5.2. Special hazards arising from the substance or mixture

| | |
|----------------------------|--------------------------------|
| Fire and explosion hazards | This product is not flammable. |
|----------------------------|--------------------------------|

5.3. Advice for firefighters

| | |
|-------------------------------|--|
| Personal protective equipment | Use personal protective equipment as required. |
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|------------------------------|---|
| Personal protection measures | Avoid dust formation. Avoid inhalation of dust. 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

| | |
|----------|---|
| Clean up | Use a vacuum cleaner. If not possible, moisten dust with water before it is collected with shovel, broom or the like. Pick up with vacuum or absorbent solid, store in closed container for disposal. |
|----------|---|

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 contact with skin and eyes. Wash hands and contaminated areas with water and soap after finished work. See Section 8 for information about precautions for use and personal protective equipment. |
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7.2. Conditions for safe storage, including any incompatibilities

| | |
|---------|---|
| Storage | Store in a dry place. Both uncut and cut products must be packaged to prevent movement and chafing during transit and to prevent absorption of water. |
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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

DNEL / PNEC

| | |
|--|---------------|
| Summary of risk management measures, human | Data lacking. |
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8.2. Exposure controls

Precautionary measures to prevent exposure

| | |
|----------------------------------|-----------------------|
| Appropriate engineering controls | Well-ventilated area. |
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Eye / face protection

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

| | |
|----------------------|---|
| Suitable gloves type | Protective gloves are recommended. Use protective gloves made of: Leather. |
|----------------------|---|

Skin protection

| | |
|------------------------------|--|
| Suitable protective clothing | Protective clothing is not required for recommended use. |
|------------------------------|--|

Respiratory protection

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|-------------------------------------|--|
| Respiratory protection necessary at | Respiratory protection must be used if air contamination exceeds acceptable level. In case of inadequate ventilation or risk of inhalation of dust, use suitable respiratory equipment with particle filter (type P2). |
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
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| Physical state | Solid. |
| Colour | Grey. |
| Odour | No information. |
| pH | Comments: No information. |
| Melting point / melting range | Comments: No information. |
| Boiling point / boiling range | Comments: No information. |
| Flash point | Comments: Not relevant. |
| Flammability (solid, gas) | Not relevant. |
| Explosion limit | Comments: Not relevant. |
| Vapour pressure | Comments: No information. |
| Vapour density | Comments: No information. |
| Density | Value: 630 kg/m ³ |
| Bulk density | Comments: No information. |
| Solubility | Medium: Water Comments: Not soluble in water. Chemically inert substance |
| Partition coefficient: n-octanol/ water | Comments: No information. |
| Spontaneous combustability | Comments: No information. |
| Decomposition temperature | Comments: No information. |
| Viscosity | Comments: No information |
| Explosive properties | Not relevant. |
| Oxidising properties | Not relevant. |

9.2. Other information

Other physical and chemical properties

| | |
|----------------------------------|-----------------|
| Physical and chemical properties | No information. |
|----------------------------------|-----------------|

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

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

10.4. Conditions to avoid

| | |
|---------------------|--------------------------|
| Conditions to avoid | No recommendation given. |
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10.5. Incompatible materials

| | |
|--------------------|-------|
| Materials to avoid | None. |
|--------------------|-------|

10.6. Hazardous decomposition products

| | |
|----------------------------------|-------------------------------|
| Hazardous decomposition products | None under normal conditions. |
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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 | Not Sensitising. |
| 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 recommendation given. |

| | |
|--|------------------------------------|
| 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 | Not known. |
| In case of skin contact | Slightly irritating. |
| In case of inhalation | Irritation of nose and throat. |
| In case of eye contact | Irritating. |

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 | The product is not readily biodegradable. |
|--|---|

12.3. Bioaccumulative potential

| | |
|---------------------------|-------------------------------------|
| Bioaccumulation, comments | The product is not bioaccumulating. |
|---------------------------|-------------------------------------|

12.4. Mobility in soil

| | |
|----------|----------------------------------|
| Mobility | Mobility: Not considered mobile. |
|----------|----------------------------------|

12.5. Results of PBT and vPvB assessment

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

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|--|
| Appropriate methods of disposal for the chemical | Confirm disposal procedures with environmental engineer and local regulations. |
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SECTION 14: Transport information

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

14.1. UN number

| | |
|----------|---------------|
| Comments | Not relevant. |
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14.2. UN proper shipping name

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|----------|---------------|
| Comments | Not relevant. |
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14.3. Transport hazard class(es)

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|----------|---------------|
| Comments | Not relevant. |
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14.4. Packing group

| | |
|----------|---------------|
| Comments | Not relevant. |
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14.5. Environmental hazards

| | |
|-----------|---------------|
| ICAO/IATA | Not relevant. |
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14.6. Special precautions for user

| | |
|-------------------------------------|---------------|
| Special safety precautions for user | Not relevant. |
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14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

| | |
|--------------------|---------------|
| Pollution category | Not relevant. |
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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 | <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>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> |
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15.2. Chemical safety assessment

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|--------------------------------------|----|
| Chemical safety assessment performed | No |
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SECTION 16: Other information

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| Supplier's notes | The information on this data sheet represents our current data and is reliable |
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| | <p>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.</p> |
| Key literature references and sources for data | MSDS supplied by the manufacturer |
| Version | 1 |