

Safety data sheet

according to Directive (EC) no. 1907/2006 and Directive (EU)
no. 453/2010 (REACH)



Trading name: Intumescent building materials FSB

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1. Material/preparation and company designation

1.1 Product identifier

Trading name: Intumescent building materials FSB

Type: FSB-WLS, FSB-WB, FSB-K32, FSB-K82, fire protection ducts BSKM and PLM

Article number: 7203170, 7203160, 7203150, 7203154, 7218052, 7218008, 7218014, 7218082, 7218070, 7218102, 7218044, 7218098, 7218020, 7218012, 7218024, 7218024, 7218112, 7218074, 7218108, 7218000, 7218054, 7218096, 7218004, 7218088, 7218026, 7218092, 7218080, 7218048, 7218040, 7218050, 7218058, 7218068, 7218028, 7218118, 7218030, 7218032, 7218094, 7218120, 7218062, 7218042, 7218072, 7218110, 7218036, 7218002, 7218100, 7218104, 7218046, 7218106, 7218114, 7218076, 7218084, 7218086, 7218022, 7218066, 7218060, 7218090, 7218064, 7218010, 7218116, 7218038, 7218056, 7218006

1.2 Relevant identified uses of the substance or mixture and uses we would not recommend

Fire protection material

Fire protection jacketing to prevent fire spreading via cables and cable support systems.

1.3 Manufacturer/supplier

OBO Bettermann Holding GmbH & Co. KG

P.O. Box 1120

58694 Menden

Germany

1.4 Division providing information

Customer Service

Tel.: +49 2373 89 - 1700

export@obo.de

1.5 Emergency telephone number

REACH Registration of Chemicals GmbH

Tel.: +49 (0)700 24112112 (OBO) (24 hr advice in German and English)

2. Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008

This product is not classified as hazardous material acc. to Directive 1999/45/EC.

2.2 Label elements

Additional advice on labelling

This product does not require labelling according to Regulation (EC) No. 1272/2008 (GHS)

2.3 Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product

are a PBT / vPvB substance.

3. Composition/information on ingredients

3.1 Mixtures

Chemical characterization

Fibre glass reinforcement with an intumescent coating

4. First aid measures

4.1 Description of the first aid measures

General information:

Remove contaminated clothes and wash before re-use.

After inhalation:

Inhalation is not considered a potential route of exposure.

After contact with skin:

Remove contaminated clothes and wash before re-use.

After contact with eyes:

Contact with eyes is not considered a potential route of exposure.

After ingestion:

Ingestion is not considered a potential route of exposure.

4.2 Most important symptoms and effects, both acute and delayed

Health injuries are not known or expected under normal use.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptoms.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

Product itself does not burn. Use fire fighting measures that suit the environment and products stored. Foam, carbon dioxide (CO₂), dry chemical, water-spray

Unsuitable extinguishing media

Full water jet

5.2 Special exposure hazards

None

5.3 Advice for firefighters

In case of fire, wear suitable respiratory equipment with positive air supply.

Additional information

Apply cooling water to the side of containers that are exposed to flames.

6. Measures in the case of unintentional release

6.1 Personal precautions, protective equipment and emergency procedures

No specific precautions required.

6.2 Environmental protection measures:

Do not discharge large amounts into the drains or bodies of water.

6.3 Methods and material for retention and cleaning

Pick up mechanically, avoiding dust, and provide disposal in suitable recipients.

6.4 Reference to other sections

Information for disposal see section 13.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

No special measures necessary if used correctly.

Do not keep containers unlocked.

Observe the technical data sheet.

Advice on protection against fire and explosion

No special precautions required.

Further information on handling

When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

Further information on storage conditions

No special storage conditions required.

Recommended storage: < 50 °C.

7.3 Specific end use(s) :-

See identified use in SECTION 1.2

8. Exposure controls/personal protection

8.1 Control parameters

Additional advice on limit values

To date, no national critical limit values exist.

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Wash hands before breaks and at the end of workday.

When using do not eat, drink or smoke.

Eye/face protection

Not required under normal use.

Hand protection

Not required under normal use.

Skin protection

Protective clothing

Respiratory protection

Not required under normal use.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: Flexible

Colour: Red, other shades possible

Odour: Odourless

Changes in the physical state

Melting point: No data available

Initial boiling point and boiling range: No data available

Flash point: Not applicable
Sustaining combustion: Not sustaining combustion

Flammability

Solid: Not applicable

Explosive properties

The product is not explosive.
Lower explosion limits: Not applicable
Upper explosion limits: Not applicable
Ignition temperature: Not applicable

Auto-ignition temperature

Solid: No data available
Decomposition temperature: No data available

Oxidizing properties

Not fire-promoting.
Vapour pressure: No data available
Density: Refer to section: 9.2 g/cm³
Water solubility: insoluble

Solubility in other solvents

No data available
Partition coefficient: No data available
Viscosity / dynamic: Not applicable
Viscosity / kinematic: Not applicable

9.2 Other Information

Density (20 °C):
PYRO-SAFE® DG-CR LS: 900 - 1100 g/m²

10. Stability and reactivity

Conditions to avoid

Extreme heat and low temperatures.

Materials to avoid: -

Hazardous decomposition products

At high temperatures forming of carbon monoxide, carbon dioxide, oxides of nitrogen and ammonia possible.

11. Toxicological data

Toxicokinetics, metabolism and distribution

Health injuries are not known or expected under normal use.

Acute Toxicity

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

Irritation and corrosivity

Based on available data, the classification criteria are not met.
Contact with eyes may cause irritation.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.

12. Ecological information

12.1 Toxicity

Ecological data are not available.

12.2 Persistence and degradability

Not determined

12.3 Bioaccumulative potential

Not determined

12.4 Mobility in soil

Not determined

12.5 Results of PBT and vPvB assessment

Not determined

12.6 Other adverse effects

Not determined

13. Disposal information

13.1 Waste treatment methods

Disposal recommendations

Do not discharge into the drains/surface waters/ground water. The waste code number must be agreed with the disposer / manufacturer / competent authority. Waste disposal according to local regulations.

List of Wastes Code - residues/unused products

080112 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish other than those mentioned in 08 01 11

14. Transport information

14.1 UN number

ADR, RID, ADN, IMDG, ICAO-TI, IATA-DGR: No dangerous good in sense of this transport regulation.

14.2 UN proper shipping name

ADR, RID, ADN, IMDG, ICAO-TI, IATA-DGR: No dangerous good in sense of this transport regulation.

14.3 Transport hazard classes

ADR, RID, ADN, IMDG, ICAO-TI, IATA-DGR: No dangerous good in sense of this transport regulation.

14.4 Packaging group

ADR, RID, ADN, IMDG, ICAO-TI, IATA-DGR: No dangerous good in sense of this transport regulation.

14.5 Environmental hazards:

ENVIRONMENTALLY HAZARDOUS: no

14.6 Special precautions for user

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

15. Regulatory information

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

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

16. Other data

Abbreviations and acronyms

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (Agreement concerning the international carriage of Dangerous goods by Road)

IMDG-Code: International Maritime Code for Dangerous Goods

ICAO: International Civil Aviation Organisation (IATA: The International Air Transport Association)

GHS: Globally Harmonized System of Classification, Labelling and Packaging of Chemicals

Further Information

(in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

(n.a. = not applicable; n.d. = not determined)