

Safety data sheet

according to Directive (EC) no. 1907/2006 (REACH) and
Directive (EU) no. 830/2015



Trade name: Fire insulation PYROPLUG®
Box, PYROPLUG® Shell, mini pipe shell

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1. Designation of the substance or mixture and the company

1.1 Product identifier

Trade name: PYROPLUG® Box box insulation, PYROPLUG® Shell drill crown insulation, mini pipe shell
Types: FBA-F (item no. 7202660), FBA-D (item no. 7202624/7202628),
FBA-DR (item no. 7202613/7202617)

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

Identified use

General use: Fire retardant. For industrial and commercial use only.

Uses we would not recommend

No information available.

1.3 Details on the supplier providing the safety data sheet

Manufacturer/supplier

OBO Bettermann Holding GmbH & Co. KG
P.O. Box 1120
58710 Menden
Germany

Division providing information

Customer Service
Tel.: +49 23 73 89 - 17 00
Fax: +49 23 73 89 - 12 38
export@obo.de

1.4 Emergency telephone number

REACH Registration of Chemicals GmbH
Tel.: +49 (0)700 2411 2112 (OBO)

2. Possible risks

2.1 Categorisation of substance or mixture

EC Directive 1272/2008 (CLP)

This mixture is classified as non-hazardous.

2.2 Labelling elements

EC Directive 1272/2008 (CLP)

Risk information

N/A.

Safety information

N/A.

2.3 Other risks

Handling or processing this material may produce dust, which can cause mechanical irritation to the eyes, skin, nose and throat. People who are already sensitised to diisocyanates may experience allergic reactions when handling this product.

Results of PBT and vPvB assessment:

No data available

3. Composition/details of component parts

3.1 Substances

N/A.

3.2 Mixtures

Chemical characterisation: Reaction product of polyether polyol and isocyanates with additives.

4. First aid measures

4.1 Description of the first aid measures

After inhalation

Move the affected person to fresh air; if necessary, use artificial respiration or provide oxygen. If feeling unwell, consult the doctor.

After skin contact

Change contaminated clothes. On skin contact, rinse immediately with copious amounts of water and soap. In the case of skin reactions, seek medical advice.

After eye contact

With the eyelids open, immediately rinse eyes under running water for 10 to 15 minutes. Then consult an eye doctor.

After ingestion

Rinse out the mouth. Do not induce vomiting. Obtain immediate medical assistance.

4.2 Most important acute and delayed symptoms and effects

Handling or processing this material may produce dust, which can cause mechanical irritation to the eyes, skin, nose and throat.

4.3 Information for immediate medical aid or special treatment

Symptomatic treatment.

5. Fire protection measures

5.1 Extinguishing media

Suitable extinguishing media

Spray water jet, foam, dry extinguishing powder, carbon dioxide.

Unsuitable extinguishing agents for safety reasons

Full water jet.

5.2 Special hazards arising from the substance or mixture

Fire may produce dangerous fire gases and vapours.

5.3 Advice for firefighters

Special protective equipment when fighting fires:

Protect skin and eyes with self-contained breathing apparatus and protective clothing.

Additional information

Do not let the extinguishing water enter waterways, the sewerage system or the ground.

6. Measures in the case of unintentional release

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient ventilation. Avoid a build-up of dust. Do not inhale dust.
For mechanical processing: Wear suitable protective equipment.

6.2 Environmental protection measures

Prevent spreading into earth, waterways or sewers.

6.3 Methods and material for retention and cleaning

Collect mechanically and dispose of in suitable containers. Clean.

6.4 Reference to other sections

See also Sections 8 and 13.

7. Handling and storage

7.1 Protective measures for safe handling

Information on safe handling

Ensure good ventilation of the storage area and workplace.
Avoid a build-up of dust. Do not inhale dust.
For mechanical processing: Wear suitable protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers

Store in a cool and dry place. Protect against moisture.

Joint storage information

Keep away from food, drinks and feed.

Storage class

13 = Non-combustible solids

7.3 Specific end applications

Observe the instructions for use.

8. Limitation and monitoring of the exposure/personal protective equipment

8.1 Parameters to be monitored

Workplace limit values:

Type	Limit value
Germany: DFG short term	2.4 mg/m ³ dust limit value, alveolar fraction
Germany: DFG long term	0.3 mg/m ³ dust limit value, alveolar fraction
Germany: DFG long term	4 mg/m ³ dust limit value, inhalable fraction
Germany: TRGS 900 short term	2.5 mg/m ³ dust limit value, alveolar fraction
Germany: TRGS 900 short term	20 mg/m ³ dust limit value, inhalable fraction
Germany: TRGS 900 long term	1.25 mg/m ³ dust limit value, alveolar fraction
Germany: TRGS 900 long term	10 mg/m ³ dust limit value, inhalable fraction

8.2 Limitation and monitoring of exposure

Ensure good ventilation of the work area and/or extraction equipment at the workstation.

Personal protective equipment

Limitation and monitoring of exposition at the workplace

Respiratory protection

Wear a dust mask if dust is produced.

The respiratory filter class must be adjusted to the maximum pollutant concentration (gas/vapour/aerosol/particulates) that can be produced by this product.

Hand protection

Protective gloves in accordance with EN 374.

Observe the specifications of the protective glove manufacturer regarding permeability and breakthrough times.

Eye protection

Tightly fitting protective goggles in accordance with EN 166.

Physical protection

Wear suitable protective clothing during work.

Protection and hygiene measures

Avoid a build-up of dust. Do not inhale dust. During work, do not eat, drink, or smoke. Wash your hands before breaks and after completing work.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Aggregate state at 20 °C und 101.3 kPa: solid

Shape: Hard foam

Odour: Characteristic

Odour threshold: No data available

pH value: N/A

Melting point/freezing point: No data available

Boiling point: No data available

Ignition point: N/A

Vaporisation speed: No data available

Flammability: No data available

Explosive limits: No data available

Vapour pressure: No data available

Vapour density: 80–750 kg/m³

Density: Approx. 1.3 g/ml

Water solubility: No data available

Distribution coefficient n-octanol/water: No data available

Self-ignition temperature: No data available

Decomposition temperature: No data available

Viscosity, dynamic: No data available

Explosive properties: No data available

Oxidising properties: None

9.2 Other data

No data available

10. Stability and reactivity

10.1 Reactivity

See 10.3

10.2 Chemical stability

Stable under the specified storage conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions occur if stored and handled correctly.

10.4 Conditions to avoid

Protect against moisture.

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

Fire may produce dangerous fire gases and vapours.

Thermal decomposition: No data available

11. Toxicological data

11.1 Data on toxicological effects

The statements were derived from the properties of the individual components. No toxicological data is available for the product as such.

Toxicological effects

Acute toxicity (oral)

On the basis of the available data, the classification criteria are not fulfilled.

Calculated ATEmix:

>2,000 mg/kg

Acute toxicity (dermal)

On the basis of the available data, the classification criteria are not fulfilled.

Calculated ATEmix:

>2,000 mg/kg

Acute toxicity (inhalation)

On the basis of the available data, the classification criteria are not fulfilled.

Calculated ATEmix, dust/fog:

>5 mg/l/4h

Corrosive/irritating to the skin

Insufficient data.

Serious eye damage/irritation

Insufficient data.

Sensitisation of the airways

Insufficient data.

Sensitisation of the skin

Insufficient data.

Stem cell mutagenicity/genotoxicity

Insufficient data.

Carcinogenicity

Insufficient data.

Reproductive toxicity

Insufficient data.

Effects on and through breast milk

Insufficient data.

Specific target organ toxicity (single exposure)

Insufficient data. Respiratory irritation.

Specific target organ toxicity (repeated exposure)

Insufficient data. Damage to organs through prolonged or repeated exposure.

Aspiration risk

Insufficient data.

Symptoms

Handling or processing this material may produce dust, which can cause mechanical irritation to the eyes, skin, nose and throat.

12. Environmental data

12.1 Toxicity:

Water hazard class: 1 = Slightly hazardous to water

12.2 Persistence and degradability

Other information: No data available

12.3 Bioaccumulation potential

Distribution coefficient n-octanol/water: No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

General information: Do not let the product enter the groundwater, waterways or sewerage system.

13. Disposal information

13.1 Waste treatment method

Product

Non-reacted condition:

ASN 08 04 10: Waste adhesives and sealants other than those mentioned in 08 04 09

Recommendation

Disposal according to official regulations.

Packaging

Disposal according to official regulations.

Treat contaminated packaging like the substance.

Uncontaminated and empty packaging can be recycled.

14. Transport information

14.1 UN number

ADR/RID, ADN, IMDG, IATA-DGR: N/A.

14.2 Current UN shipment designation

ADR/RID, ADN, IMDG, IATA-DGR: Not restricted.

14.3 Transport hazard classes

ADR/RID, ADN, IMDG, IATA-DGR: N/A.

14.4 Packaging group

ADR/RID, ADN, IMDG, IATA-DGR: N/A.

14.5 Environmental hazards

Marine pollutant – IMDG: No

14.6 Special precautionary measures for the user

Not a hazardous substance in the sense of these transport regulations.

14.7 Mass good transportation according to Appendix II of the MARPOL agreement and according to the IBC code

No data available.

15. Legal specification

15.1 Specifications regarding safety, health and environmental protection/specific legal specifications for the substance or the mixture

National specifications – Germany

Storage class: 13 = Non-combustible solids

Water hazard class: 1 = Slightly hazardous to water

15.2 Chemical safety assessment

No chemical safety assessment is required for this mixture.

16. Other data

Initial issue date

27.04.2015 (supplier)

Data sheet of issuing area

Technical documentation

Contact person: See Section 1: Department responsible for information

For abbreviations and acronyms, see ECHA: Guideline on Information Requirements and Chemical Safety Assessment, Chapter R.20 (Table of terms and abbreviations).