

# Safety data sheet

## Voluntary product information following the Safety Data Sheet format



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

Created on: 22.05.2019 Changed on: 27.04.2023

Version: 6.0 Replaces version: 5.1

Number of pages: 8

### 1. Designation of the substance or mixture and the company

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#### 1.1 Product identifier

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

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

##### General use:

Fire protection means. Reserved for industrial and professional use.

#### 1.3 Details of the supplier of 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 2373 89 - 17 00  
E-Mail: info@obo.de

#### 1.4 Emergency telephone number

REACH Registration of Chemicals GmbH  
Tel.: +49 (0)700 24112112 (OBO)  
Tel.: +1 872 5888271 (OBO)

### 2. Hazards identification

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#### 2.1 Classification of the substance or mixture

Article not subject to hazard labelling or classification.

#### 2.2 Label elements

##### Labelling (CLP)

not applicable

### 2.3 Other hazards

Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

Persons already sensitised to diisocyanates may develop allergic reactions when using this product.

#### Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

## 3. Composition/information on ingredients

### 3.1 Substances

not applicable

### 3.2 Mixtures

#### Chemical characterisation:

Reaction product of polyether polyol and isocyanates with additives

#### Hazardous ingredients:

| Identifiers                      | Designation     | Content | Classification |
|----------------------------------|-----------------|---------|----------------|
| EG No. 203-615-4<br>CAS 108-78-1 | Melamine (SVHC) | < 5 %   | not classified |

#### Full text of H- and EUH-statements:

see section 16.

#### Additional information:

Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Melamine (Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health); Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment))

## 4. First aid measures

### 4.1 Description of first aid measures

#### In case of inhalation:

Move victim to fresh air; if necessary, provide artificial respiration or oxygen. In the event of discomfort seek medical treatment.

#### Following skin contact:

Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with soap and plenty of water. In case of skin reactions, consult a physician.

#### After eye contact:

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Subsequently consult an ophthalmologist.

#### After swallowing:

Rinse mouth. Do not induce vomiting. Immediately get medical attention.

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

Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

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

Treat symptomatically.

### **5. Firefighting measures**

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#### **5.1 Extinguishing media**

**Suitable extinguishing media:**

Water spray jet, foam, extinguishing powder, carbon dioxide.

**Extinguishing media which must not be used for safety reasons:**

Full water jet

#### **5.2 Special hazards arising from the substance or mixture**

May form dangerous gases and vapours in case of fire.

#### **5.3 Advice for firefighters**

**Special protective equipment for firefighters:**

Wear self-contained breathing apparatus and protective clothing to protect skin and eyes.

**Additional information:**

Do not allow water used to extinguish fire to enter drains, ground or waterways.

### **6. Accidental release measures**

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#### **6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Avoid generation of dust. Do not breathe dust.

For mechanical processing: Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.

#### **6.2 Environmental precautions**

Do not allow to penetrate into soil, waterbodies or drains.

#### **6.3 Methods and material for containment and cleaning up**

Take up mechanically, placing in appropriate containers for disposal. Final cleaning.

#### **6.4 Reference to other sections**

Refer additionally to section 8 and 13.

### **7. Handling and storage**

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#### **7.1 Precautions for safe handling**

**Advices on safe handling:**

Provide adequate ventilation, and local exhaust as needed.

Avoid generation of dust. Do not breathe dust.

For mechanical processing: Wear appropriate protective equipment.

Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at work place.

#### **7.2 Conditions for safe storage, including any incompatibilities**

**Requirements for storerooms and containers:**

Store in a cool dry place. Protect from humidity.

**Hints on joint storage:**

Keep away from food, drink and animal feedingstuffs.

**7.3 Specific end use(s)**

Observe instructions for use.

**8. Exposure controls/personal protection**

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**8.1 Control parameters**

**Additional information:**

Contains no substances with occupational exposure limit values.

**8.2 Exposure controls**

Provide good ventilation and/or an exhaust system in the work area.

**Personal protection equipment:**

**Occupational exposure controls**

**Respiratory protection**



With the formation of dust, use a dust mask.

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

**Hand protection**



Protective gloves according to EN 374. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

**Eye protection**



Tightly sealed goggles according to EN ISO 16321-1:2022.

**Body protection**



Wear suitable protective clothing.

**General protection and hygiene measures:**

Avoid generation of dust. Do not breathe dust. When using do not eat, drink or smoke.

Wash hands before breaks and after work.

Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at work place.

**Environmental exposure controls**

Refer to „6.2 Environmental precautions“.

## 9. Physical and chemical properties

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### 9.1 Information on basic physical and chemical properties

|   |                             |
|---|-----------------------------|
| Physical state at 20 °C and 101.3 kPa:        | solid                       |
| Form:   | Rigid foam                  |
| Colour:                                       | No data available           |
| Odour:  | No data available           |
| Odour threshold:                              | No data available           |
| Melting point/freezing point:                 | No data available           |
| Initial boiling point and boiling range:      | No data available           |
| Flammability:                                 | No data available           |
| Upper/lower flammability or explosive limits: | No data available           |
| Flash point/flash point range:                | Not applicable              |
| Decomposition temperature:                    | No data available           |
| pH:   | Not applicable              |
| Viscosity, kinematic:                         | No data available           |
| Solubility:                                   | No data available           |
| Partition coefficient: n-octanol/water:       | No data available           |
| Vapour pressure:                              | No data available           |
| Density:                                      | 180 - 750 kg/m <sup>3</sup> |
| Vapour density:                               | No data available           |
| Particle characteristics:                     | No data available           |

### 9.2 Other information

|                            |                   |
|----------------------------|-------------------|
| Explosive properties:      | No data available |
| Oxidizing characteristics: | none              |
| Auto-ignition temperature: | No data available |
| Evaporation rate:          | No data available |
| Additional information:    | No data available |

## 10. Stability and reactivity

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### 10.1 Reactivity

Refer to subsection „Possibility of hazardous reactions“.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid

Protect from humidity.

### 10.5 Incompatible materials

None known

### 10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

#### Thermal decomposition:

No data available

## 11. Toxicological information

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

**Toxicological effects:**

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

|   |   |
|---|---|
| Acute toxicity (oral):                              | Based on available data, the classification criteria are not met. |
| ATEmix calculated:                                  | >2000 mg/kg   |
| Acute toxicity (dermal):                            | Based on available data, the classification criteria are not met. |
| ATEmix calculated:                                  | >2000 mg/kg   |
| Acute toxicity (inhalative):                        | Based on available data, the classification criteria are not met. |
| ATEmix Dusts/mist calculated:                       | >5 mg/L/4h  |
| Skin corrosion/irritation:                          | Lack of data.   |
| Serious eye damage/irritation:                      | Lack of data.   |
| Sensitisation to the respiratory tract:             | Lack of data.   |
| Skin sensitisation:                                 | Lack of data.   |
| Germ cell mutagenicity/Genotoxicity:                | Lack of data.   |
| Carcinogenicity:                                    | Lack of data.   |
| Reproductive toxicity:                              | Lack of data.   |
| Effects on or via lactation:                        | Lack of data.   |
| Specific target organ toxicity (single exposure):   | Lack of data.   |
| Specific target organ toxicity (repeated exposure): | Lack of data.   |
| Aspiration hazard:                                  | Lack of data.   |

### 11.2 Information on other hazards

**Endocrine disrupting properties:**

No data available

**Symptoms**

Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

## 12. Ecological information

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### 12.1 Toxicity

**Further details:**

No data available

### 12.2 Persistence and degradability

**Further details:**

No data available

### 12.3 Bioaccumulative potential

**Partition 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 Endocrine disrupting properties

No data available

### 12.7 Other adverse effects

#### General information:

Do not allow to enter into ground-water, surface water or drains.

## 13. Disposal considerations

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### 13.1 Waste treatment methods

#### Product

Waste key number: 08 04 10 = waste adhesives and sealants other than those mentioned in 08 04 09.

Recommendation: Dispose of waste according to applicable legislation.

#### Package

Recommendation: Dispose of waste according to applicable legislation.  
Handle contaminated packages in the same way as the substance itself.  
Non-contaminated packages may be recycled.

## 14. Transport information

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### 14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR: not applicable

### 14.2 UN proper shipping name

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

### 14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR: not applicable

### 14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR: not applicable

### 14.5 Environmental hazards

#### Dangerous for the environment:

Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

#### Marine pollutant - IMDG:

no

### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

### 14.7 Maritime transport in bulk according to IMO instruments

No data available

## 15. Regulatory information

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

#### National regulations - EC member states

Further regulations, limitations and legal requirements: Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Melamine.

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## 16. Other information

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#### Reason of change:

Changes in section 3: Hazards identification  
General revision (Article)  
General revision

#### Date of first version:

27/4/2015

#### Department issuing data sheet:

Technical Documentation

#### Abbreviations and acronyms:

|            |   |
|------------|---|
| ADN:       | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways     |
| ADR:       | European Agreement concerning the International Carriage of Dangerous Goods by Road                 |
| AS/NZS:    | Australian Standards/New Zealand Standards  |
| CAS:       | Chemical Abstracts Service  |
| CFR:       | Code of Federal Regulations   |
| CLP:       | Classification, Labelling and Packaging   |
| DMEL:      | Derived minimal effect level  |
| DNEL:      | Derived no-effect level   |
| EC:        | European Community  |
| EN:        | European Standard   |
| EQ:        | Excepted quantities   |
| IATA:      | International Air Transport Association   |
| IATA-DGR:  | International Air Transport Association – Dangerous Goods Regulations                               |
| IBC Code:  | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| IMDG Code: | International Maritime Dangerous Goods Code   |
| MARPOL:    | Maritime Pollution: The International Convention for the Prevention of Pollution from Ships         |
| OSHA:      | Occupational Safety and Health Administration   |
| PBT:       | Persistent, bioaccumulative and toxic   |
| PNEC:      | Predicted no-effect concentration   |
| REACH:     | Registration, Evaluation, Authorisation and Restriction of Chemicals                                |
| RID:       | Regulations Concerning the International Carriage of Dangerous Goods by Rail                        |
| SVHC:      | Substance of very high concern  |
| TRGS:      | Technical Rules for Hazardous Substances  |
| TSCA:      | Toxic Substance Control Act   |
| vPvB:      | Very persistent and very bioaccumulative  |