

Safety data sheet

in accordance with Directive (EC) 1907/2006 (REACH)



Commercial name: Fire protection cushions PYROBAG

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Number of pages: 7

1. Designation of the substance or mixture and the company

1.1 Product identifier

Commercial name: Fire protection cushion PYROBAG

Item number: 7202709, 7202725, 7202741

Type: KBK-1, KBK-2, KBK-3,

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

Identified use

Relevant identified uses: flame retardant

Suitable intended use: flame retardant

Uses we would not recommend

No other relevant 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

58694 Menden

Germany

Division providing information

Customer Service

Tel.: +49 (0)2373 89-1700

E-mail: export@obo.de

1.4 Emergency telephone number

REACH Registration of Chemicals GmbH

Tel.: +49 (0)700 2411 2112 (OBO)

2. Hazards Identification

2.1 Classification of the substance or mixture

EC Directive 1272/2008 (CLP)

The product does not require classification according to GHS criteria.

2.2 Labelling elements

Globally Harmonized System, EU (GHS)

The product does not require labelling according to GHS criteria.

2.3 Other risks

According to Regulation (EC) No 1272/2008 [CLP]

No specific dangers known, if the regulations/notes for storage and handling are considered. The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria

3. Composition/details of component parts

3.1 Substances

Chemical nature

4. First aid measures

4.1 Description of the first aid measures

General information

If adverse health effects develop seek medical attention.

After inhalation

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

After skin contact

Wash thoroughly with soap and water.

After eye contact

Rinse eyes out thoroughly under running water for at least 15 minutes with lids spread open.

After ingestion

Rinse out the mouth and drink copious amounts of water.

4.2 Most important acute and delayed symptoms and effects

Symptoms: No significant reaction of the human body to the product known.

4.3 Information for immediate medical aid or special treatment

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire protection measures

5.1 Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing agents for safety reasons

Full water jet

Additional information

Avoid stirring up dust from the substance/product due to the danger of a dust explosion.

5.2 Special hazards arising from the substance or mixture

Hazardous vapours, carbon monoxides, nitrous oxides

Development of smoke/fog. Combustion generates harmful and poisonous fumes.

5.3 Advice for fire-fighters

Special protective equipment:

Wear a breathing protection device which works independently of the ambient air.

Additional data:

Dispose of fire residues and contaminated extinguishing water according to the official statutory regulations. Cool endangered containers with a spray water jet.

6. Measures in the case of unintentional release

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. For information on personal protective equipment, see Section 8.

6.2 Environmental protection measures

Do not let the product enter the sewerage system/surface water/groundwater.

6.3 Methods and material for containment and cleaning up

Pick up with suitable appliance and dispose of. Dispose of absorbed material in accordance with regulations.

6.4 Reference to other sections

Details on the limitation and monitoring of the exposition/personal protective equipment and information on disposal can be found in Sections 8 and 13.

7. Handling and storage

7.1 Protective measures for safe handling

No special measures required if used properly.

Information on fire and explosion protection

This product is not spontaneously combustible, does not spread fires and poses no risk of explosion. No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Separate from food.

Suitable materials for containers: paper/cardboard

Additional information on storage conditions: Store in a dry place.

7.3 Specific end applications

In the relevant identified uses given in Section 1, observe the information named in Section 7.

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

8.1 Control parameters

Components with occupational exposure limits

No occupational exposure limits known.

8.2 Exposure controls

Personal protective equipment

Respiratory protection

Breathing protection if breathable aerosols/dust are formed. (Particle filter EN 143 P1)

Hand protection

Chemical-resistant protective gloves (EN 374)

Eye protection

Protective glasses with side protection (frame glasses) (e.g. EN 166)

Body protection:

Body protection must be chosen based on level of activity and exposure.

General protection and hygiene measures

Handle in accordance with good building materials hygiene and safety practice. Wearing of closed work clothing is recommended. No eating, drinking, smoking or tobacco use at the place of work. Hands and/or face should be washed before breaks and at the end of the shift. Store work clothing separately.

Environmental exposure

Information on limitation and monitoring of environmental exposure can be taken from Section 6.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Form: The form is derived from the trade name.

Colour: Various colours

Odour: faint odour

Odour threshold: Not applicable

Safety-relevant data

pH value: N/A

Melting point/melting range: Not determinable. Substance/product decomposes.

Boiling point: Not determinable. Substance/product decomposes.

Flash point: not applicable

Evaporation rate: not applicable

Flammability: not applicable

Lower explosion limit: not applicable

Upper explosion limit: not applicable

Vapour pressure: not applicable

Density: not applicable

Relative vapour density (air): not applicable

Solubility in water: not applicable

Partitioning coefficient n-octanol/water (log Kow): not applicable

Self ignition: not self-igniting

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Viscosity, dynamic: not applicable

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

9.2 Other data

Self-heating capability: Not applicable

Bulk density: approx. 250–500 kg/m³

10. Stability and reactivity

10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: Corrosive effects to metal are not anticipated.

10.2 Chemical stability

Thermal decomposition/conditions to be avoided

The product is stable if stored and handled as prescribed/indicated.

10.3 Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

10.4 Conditions to avoid

See MSDS section 7 - Handling and storage.

10.5 Incompatible materials

Substances to avoid: None known during use and storage if used according to instructions.

10.6 Hazardous decomposition products

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological data

11.1 Data on toxicological effects

Acute toxicity

Assessment of acute toxicity:

No applicable information available.

Irritation

Assessment of irritating effects:

No applicable information available.

Respiratory/Skin sensitization

Assessment of sensitization:

No applicable information available.

Germ cells mutagenicity

Assessment of mutagenicity:

No applicable information available.

Carcinogenicity

Assessment of carcinogenicity:

No applicable information available.

Reproductive toxicity

Assessment of reproduction toxicity:

No applicable information available.

Specific target organ toxicity (single exposure)

Remarks: No applicable information available.

Toxicity of repeated doses and specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

No applicable information available.

Aspiration hazard

No data available.

Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

12. Environmental data

12.1 Toxicity

Aquatic toxicity

Study not possible for technical reasons.

12.2 Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Study technically not feasible.

12.3 Bioaccumulation potential

Assessment bioaccumulation potential:

Study technically not feasible.

12.4 Mobility in soil

Assessment transport between environmental compartments:

Adsorption in soil: Study technically not feasible.

12.5 Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria. Self classification

12.6 Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

12.7 Additional information

Other ecotoxicological advice:

Do not allow to enter soil, waterways or waste water channels.

13. Disposal information

13.1 Waste treatment method

Observe national and local legal requirements.

14. Transport information

Land transport

ADR: Not classified as a dangerous good under transport regulations

UN number: Not applicable

Proper UN shipment designation: Not applicable

Transport hazard classes: Not applicable

Packaging group: Not applicable

Environmental hazards: Not applicable

Special precautionary information for the user: None known

RID

Not classified as a dangerous good under transport regulations

UN number: Not applicable

Proper UN shipment designation: Not applicable

Transport hazard classes: Not applicable

Packaging group: Not applicable

Environmental hazards: Not applicable

Special precautionary information for the user: None known

Inland waterway transport

ADN: Not classified as a dangerous good under transport regulations

UN number: Not applicable

Proper UN shipment designation: Not applicable

Transport hazard classes: Not applicable

Packaging group: Not applicable

Environmental hazards: Not applicable

Special precautionary information for the user: None known

Transport in inland tanker ship/ship for bulk materials: Not evaluated

Sea transport

IMDG: Not classified as a dangerous good under transport regulations

UN number: Not applicable

Proper UN shipment designation: Not applicable

Transport hazard classes: Not applicable

Packaging group: Not applicable

Environmental hazards: Not applicable

Special precautionary information for the user: None known

Air transport

IATA/ICAO: Not classified as a dangerous good under transport regulations

UN number: Not applicable

Proper UN shipment designation: Not applicable

Transport hazard classes: Not applicable

Packaging group: Not applicable

Environmental hazards: Not applicable

Special precautionary information for the user: None known

14.1 UN number

See corresponding entries for "UN number" of the respective regulations in the tables above.

14.2 Current UN shipment designation

See corresponding entries for "proper UN shipment designation" of the respective regulations in the tables above.

14.3 Transport hazard classes

See corresponding entries for "transport hazard class(es)" of the respective regulations in the tables above.

14.4 Packaging group

See corresponding entries for "packaging group" of the respective regulations in the tables above.

14.5 Environmental hazards

See corresponding entries for "environmental hazards" of the respective regulations in the tables above.

14.6 Special precautionary measures for the user

See corresponding entries for "special precautionary measures for the user" of the respective regulations in the tables above.

14.7 Mass good transportation according to Appendix II of the MARPOL agreement 73/78 and according to the IBC code

Regulation: Not evaluated

Shipment approved: Not evaluated

Pollution name: Not evaluated

Pollution category: Not evaluated

Ship type: Not evaluated

15. Regulatory Information

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

15.2 Chemical safety assessment

Chemical safety assessment not required

16. Other data

Any other intended applications should be discussed with the manufacturer.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Data sheet of issuing area

Department: Technical documentation