

PF7

MATERIAL DATA SHEET

Polyurethane foam

FOAMPARTNER

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Product: Flexible Polyurethane Foam

Product name:

Manufacturer: FOAMPARTNER
 Fritz Nauer AG
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1. **Chemical description**
 Polyurethane-foams are polyaddition products of isocyanates, polyether/polyester polyols, additives and water.
2. **Ingredients**
 This product contains no labelled substances and no FCKW.
3. **Hazards Identification**
 Formation of decomposition products such as aliphatic and aromatic hydrocarbons, hydrogen cyanides, NO_x, CO and CO₂ in fires.
4. **First Aid Measures**
 No special measures are required.
5. **Fire Fighting Measures**
 The product is a combustible material and causes, when burning, intense heat and dense smoke.
 The product can, when heated also melt and flammable decomposition products can be generated. In a fire, decomposition products such as carbon black, carbon monoxide, carbon dioxide, hydrogen cyanides and nitrogen containing products can be generated in various concentrations depending on the combustion conditions. Also corrosive gases could be generated if foam grade contains flame retardants.
 Suitable fire extinguishers are: Water, CO₂, dry powder, liquid foam.
 Fire fighters should use self-contained breathing apparatus.
6. **Handling and Storage**
 No special measures are required. However, users of foam in quantity should ensure that they comply with local regulations regarding storage and use.
7. **Exposure Controls and Personal Protection**
 Special protective equipment and clothing is not necessary when handling foam.

Safety information of flexible PU-foam

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8. Physical and chemical Properties

Appearance	open-celled, flexible foam
Colour	varies
Odour	mild odour
Density	18 – 160 kg/m ³
Solubility in water	insoluble
Decomposition temperature	> 180°C
Flash ignition point	> 400°C
Stability and reactivity	the product is stable at temperatures between –40°C and +80°C

9. Toxicological data

Oral	There is no evidence that PU foam is toxic orally. LD _{50 oral Rat} > 5000mg/kg
Inhalation	Chronic inhalation of polyurethane dust particles could cause lung infection.
Skin contact	No adverse effects known following contact with PU foam
Eye contact	Dust particles can cause mechanical irritation.

10. Ecological Information

In the aquatic environment, flexible polyurethane foam will present few problems due to its insolubility.
In the soil environment, natural bacteria and fungi will aid biodegradation.

11. Disposal Considerations

Scrap or post consumer PU foam waste can be disposed of at licensed landfill sites or by incineration under controlled conditions.

12. Transport Information

The product is not classified for conveyance or supply under the Carriage of Dangerous Goods (classification, packaging and labeling) and Use of Transportable Pressure Receptacles Regulations 1996. The product is not classified as hazardous for any mode of transportation under current EU/UN regulations by applying the appropriate test method.

13. Other Information

none.

The data given here is based on our current knowledge and experience. The data does not signify any warranty with regard to the product's properties.

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