

POLYURETHANE (PU) FOAM

ACCORDING TO (EG) Nr. 1907/2006 (Reach)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- 1.1. *Product name:* all Poret[®] foams
- 1.2. *Chemical characteristics:* Flexible polyurethane (PU) foams are polyaddition products made of isocyanates and polyester- or polyetherpolyols
- 1.3. *Supplier:* EMW filtertechnik GmbH
 Werner-von-Siemens-Str. 7-9
 D-65582 Diez
 Phone: +49 (0) 6432 / 9181-0
 Email: sdh@emw.de
- 1.4. *Emergency phone:* +49 (0) 6432 / 9181-222 Mon-Thu 7:00-16:00 Fri 7:00-12:00

2. HAZARDS IDENTIFICATION

- 2.1. *Classification of the substance or mixture:* not applicable
- 2.2. *Additional information:* not applicable
- 2.3. *Other hazards:* not applicable

3. COMPOSITION / INFORMATION ON COMPONENTS

The product does not contain any materials that require special marking.

4. FIRST AID MEASURES

- 4.1. *Description of first aid measures:* no special rules required
- 4.2. *Most important symptoms and effects, both acute and delayed:* not applicable
- 4.3. *Indication of any immediate medical attention and special treatment needed:* not applicable

5. FIREFIGHTING MEASURES

- 5.1. *Extinguishing media:* PU flexible foam is combustible. Fire may be fought with all common extinguishing materials, such as water but also with extinguishing foam, CO₂ or dry powder.
- 5.2. *Special hazards arising from substance or mixture:* In case of fire, smoke is to be expected. It is therefore advisable to use gas masks and breathing equipment during fire fighting. Depending on the conditions under which the foam is burning, it will contain different components of soot, carbon monoxide, nitrogen oxides, hydrogen cyanide and organic pyrolysis products. Otherwise PU foam behaves similarly to organic products (e.g. wool, wood, etc.)
- 5.3. *Advice for fire-fighters:* not applicable
- 5.4. *Additional information:* A study carried out by the University of Karlsruhe, Germany, on behalf of the European raw material producers documented the safety of extinguishing water entering surface water or public drains. The test set-up was based on actual fire conditions. An

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analysis of the extinguishing water showed that the concentrations of all potentially hazardous materials were below legal limits. All substances found in the extinguishing water can be filtered and decomposed in communal sewage plants. Living organism in water are not endangered.

6. ACCIDENTAL RELEASE MEASURES

- 6.1. *Personal precautions, protective equipment and emergency procedures:* not applicable
 6.2. *Environmental precautions:* not applicable
 6.3. *Methods and material for containment and cleaning up:* not applicable
 6.4. *Reference to other sections:* not applicable
 6.5. *Additional information:* not applicable

7. HANDLING AND STORAGE

- 7.1. *Precautions for safe handling:* no further rules specific to the handling of flexible foams are required.
 7.2. *Conditions for safe storage, including any incompatibilities:* not applicable
 7.3. *Specific end uses:* not applicable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1. *Control parameters:* not applicable
 8.2. *Exposure controls:* not applicable

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1. *Information on basic physical and chemical properties:*
 Decomposition temperature: > 180 °C
 Ignition temperature: 400 °C
 9.2. *Other safety information:* not applicable

10. STABILITY AND REACTIVITY

- 10.1. *Reactivity:* not applicable
 10.2. *Chemical stability:* not applicable
 10.3. *Possibility of hazardous reactions:* not applicable
 10.4. *Conditions to avoid:* not applicable
 10.5. *Incompatible materials:* not applicable
 10.6. *Hazardous decomposition products:* not applicable

11. TOXICOLOGICAL INFORMATION

- 11.1. *Information on toxicological effects:* According to the latest research knowledge PU foam is physiologically harmless.
 11.2. *Other information:* not applicable

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12. ECOLOGICAL INFORMATION

12.1. Toxicity:	not applicable
12.2. Persistence and degradability:	According to the grade of foam, PU foam decomposes either very slow or not at all.
12.3. Bioaccumulative potential:	not applicable
12.4. Mobility in soil:	not applicable
12.5. Results of PBT and vPvB assessment:	not applicable
12.6. Other adverse effects:	not applicable
12.7. Additional information:	no further information

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:	no special requirements
13.2. Additional information:	Waste disposal is possible on waste disposal site or in modern waste disposal plants

14. TRANSPORT INFORMATION

14.1. Land transport (ADR/RID/GGVSE):	no special requirements
14.2. Sea transport (IMDG-Code/GGVSee):	no special requirements
14.3. Air transport (ICAO-IATA/DGR):	no special requirements
14.4. Special precautions for user:	no special requirements
14.5. Additional information:	no further information

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:	no further rules are required
15.2. Chemical Safety Assessment:	no further rules are required

16. OTHER INFORMATION

16.1. Indication of changes:	not applicable
16.2. Abbreviations and acronyms:	no further information
16.3. Key literature references and sources for data:	Decree (EG) Nr. 1907/2006 (Reach) VWI Guideline 10 and 11
16.4. Classification for mixtures and used evaluation method according to regulation (EC)1207/2008 [CLP]:	no further information
16.5. Relevant R-, H- and EUH-phrases (number and full text):	not applicable
16.6. Training advice:	not applicable
16.7. Further information:	

The particulars given in the Material Safety Data Sheet only apply to the described product in connection with its appropriate utilization. These particulars are based on the latest state of our knowledge and information. In particular, they serve the purpose of describing our product under the aspect of hazards caused by such

product and pertaining safety actions. They do not constitute any guarantee of product quality and/or quality features. The particulars given in this Material Safety Data Sheet are not required in accordance with article 31 and annex II of the Regulation (EC) No. 1907/2006. They merely serve the purpose of providing sufficient information on the voluntary basis with a view to ensure the safe utilization of such product.