

SAFE USE INSTRUCTION SHEET

TROCELLEN foam products

POLIFOAM foam products

for TROCELLEN foam products

- . Trocellen Classic
- . Trocellen Vertical
- . Polifoam N, NF, LVF

INTRODUCTION

The European Regulation (ER) on Chemicals No. 1907/2006 (REACH) enforced on June 1st, 2007 does only require Safety Data Sheet (SDS) for hazardous substances and preparations. TROCELLEN / POLIFOAM foam products are classified as articles and not as hazardous substances and preparations. Therefore the REACH requirements for SDS are not applicable. The Trocellen Group will however continue to communicate to its customers, the appropriate information for assuring the safe handling and use of TROCELLEN / POLIFOAM foam products



1. PRODUCT AND COMPANY IDENTIFICATION

Name of product group TROCELLEN / POLIFOAM

Manufacturer / Distributor

Germany
TROCELLEN GmbH
Mülheimer Straße 26
D-53840 Troisdorf
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Hungary
POLIFOAM Plastic Processing Co.Ltd.
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1097 Budapest
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Emergency advice - The numbers are only available at office hours.



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Recommended intended purpose(s) Insulation-, cushioning- and construction material for different applications like buildings, motor vehicles, packaging and sport.

2. HAZARDS IDENTIFICATIONS

With regard to its composition, this product is not classified as hazardous according to European Directive 1272/2008. This section identifies the potential hazards related to the article i.e. its shape, its dimensions and other physical characteristics

Fire hazard In the event of fire dangerous gases and smoke can be released. (see point 5.)

Electrostatic discharge During handling TROCELLEN / POLIFOAM foam could be electro statically charged by friction. The static discharge may generate sparks.

3. COMPOSITION / INFORMATION ON INGREDIENTS

TROCELLEN / POLIFOAM foam products are articles in the meaning of REACH (1907/2006/ER).

TROCELLEN / POLIFOAM foam products are based on crosslinked polyolefines.

According to our current knowledge (date of release of this document) they do not contain any ingredients which are harmful to human health and/or the environment according to Art. 57 of REACH regulation in a concentration of more than 0.1 % (w/w).

Azodicarbonamide (ADCA)*, CAS-No. 123-77-3, is used as expansion agent. The conversion rate during the foaming step of >99,9% indicate that the amount of non-decomposed residues of ADCA is below 0,1%. Any traces of non-decomposed ADCA are embedded in the polymer matrix and can't be released during normal usage of the product. This declaration is considered appropriate until an official test standard for evaluating ADCA residues in crosslinked polymers is made available.

The material composition varies with the usage of different additives like colours, UV- stabilizers, Flame retardants for the different applications. Flame retardant foam types (TROCELLEN F/POLIFOAM NF, LVF) contain small quantities of Antimony trioxide and Bromine compounds.

* ECHA Background document for Diazene-1,2-dicarboxamide, dated 6.2.2014

4. FIRST AID MEASURES

In case of inhalation

In case of upper respiratory tract irritation due to breathing of decomposition products move concerned persons to fresh air. If symptoms persist, call a physician. Administer artificial respiration if breathing is stopped. Call for prompt medical attention.

Skin contact

For hot product, immediately immerse in or flush the affected area with large amounts of cold water. Call for prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing.

In case of ingestion

If swallowed seek medical advice immediately and show the doctor the package or label.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry powder
Carbon dioxide
Water spray jet

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In the event of fire the following can be released:
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Hydrogen bromide (HBr) if F-type foam
Under certain fire conditions traces of other toxic substances cannot be excluded.

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Take up mechanically.

7. HANDLING AND STORAGE

Advice on protection against fire and explosion

The product is combustible.
During handling TROCELLEN / POLIFOAM foam could generate an electrostatic charge which could give rise to an explosion if adjacent to ignitable material such as solvent vapors or dust laden air. Therefore note the presence of grounding measures.

7. HANDLING AND STORAGE

Storage class 11



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General protective measures Avoid contact of molten material with skin. For processing above the melting point of the polymer please take care for very well ventilated rooms.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid	
Colour	Coloured	
Odour	Hardly noticeable	
Melting point	105 - 110 °C	
Flash point	420 - 440 °C	ASTM 1929
Ignition temperature	430 - 450 °C	DIN 54836
Density	0,025 - 0,3 g/cm ³ at 23 °C	DIN 53420
Solubility in water	Insoluble	

10. STABILITY AND REACTIVITY

Stability Stable under common storage and handling conditions.

Hazardous decomposition products See point 5. concerning hazardous combustion products in case of fire.

11. TOXICOLOGICAL INFORMATION

Additional information No indications on irritability and sensitization; only hardly noticeable odor.

12. ECOLOGICAL INFORMATION

General regulation Because of insolubility in water details are impossible to determinate.

13. DISPOSAL CONSIDERATIONS

Waste code No.	07 02 13
Name of waste	Waste plastic
Recommendations for the product	Can be disposed of together with household refuse in accordance with the regulations and on consultation with the disposal agency and the relevant authorities. Can be incinerated together with household refuse in accordance with the regulations and on consultation with the disposal agency and the relevant authorities.



14. TRANSPORT INFORMATION

Transport/ further information	No hazardous material as defined by the prescriptions.
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15. REGULATORY INFORMATION

Remarks for classification	The product does not require a hazard warning label in accordance with EC Directives / German regulations on dangerous substances
National regulations	
Water hazard class	Non-hazardous to waters (Germany)

16. OTHER INFORMATION

Recommended uses and restrictions	It is the responsibility of the customer to advise the local (in writing) TROCELLEN / POLIFOAM Sales Contact when end products are intended for use in special applications like food packaging, toys or medical products in order to ensure that the correct product variant is supplied.
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Further information	Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof, our company makes no representations as of the completeness or accuracy thereof information is supplied upon the condition that persons receiving the same will make their own determination as to safety and suitability for their purposes prior to use. In no event will our company be responsible for damages of any nature whatsoever resulting from the use of reliance upon information. No representations of warranties either expressed or implied, or merchantability, fitness for a practical purpose or of any other nature, are made hereunder with respect to information or the product to which the information refers.
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