

Material Safety Data Sheet

Extruded Polyethylene Foam

Date: 23.09.04

Revision: 23.04.01

1 Identification of substance

Product name: Extruded non-crosslinked polyethylene (PE) foam
 Manufacturer: **Fagerdala Airofom AG**
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Informing department: Fagerdala Airofom AG

2 Composition/Data on components

| | | |
|----------------------------------|---------------------|----------|
| Low density Polyethylene (PE-LD) | CAS No. 09 002-88-4 | 93 - 99% |
| Propane* | CAS No. 00 074-98-6 | 0 - 5% |
| Glycerol Monostearat | CAS No. 31 566-31-1 | 1 - 2% |

*) Propane blowing agent is fugitive and leaves the product within several days after production.

3 Hazards identification

The product is not dangerous and offers little or no immediate hazard

4 First aid measures

After inhalation

Dust may cause irritation to upper respiratory tract and lungs. Fumes and vapours generated during thermal operations such as hot wire cutting or heat lamination may cause respiratory irritations. Concentrations of propane are expected to be much below the guidelines which are 1000 ppm for periods of 8 hours/day.

After eye contact

Small particles may cause irritation or injury to the cornea. Rinse opened eye for several minutes under running water.

After skin contact

The product is not irritating at ambient temperature.

After swallowing

Call a doctor if necessary

5 Fire fighting measures

Suitable extinguishing agents

Water haze
 Foam
 Fire extinguishing powder
 Carbon dioxide

Unsuitable extinguishing agents: none

Special hazards caused by the material or its decomposition products of combustion or resulting gases are: Water, carbon dioxide and in case of oxygen defect: carbon monoxide.

Protective equipment: Wear self-contained, positive-pressure breathing apparatus.



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6 Accidental release measures

Person related safety precautions: See point 8

Measures for environmental protection: See points 12 and 13

Measures for cleaning/collecting: See point 13

7 Handling and storage

During transport and storage trace quantities of gas which is used to blow the foam may be released. In order to prevent built-up of combustible vapour do not store large quantities in unventilated spaces. Transport has to take place in ventilated trucks and containers. In order to prevent the potential of fire and explosion, do not weld or apply intense heat to containers which contain this material. Warehouses and storerooms containing the product must strictly be no smoking areas. Do not expose to sunlight.

8 Exposure controls and personal protection

Occupational Exposure Limits:

CAS No. 00 074-98-6 Propane 1000 ppm or 1800 mg/m³ 8 hrs TWA

Personal Protective equipment:

Use safety glasses during mechanical cutting operations

9 Physical and chemical properties

Appearance: Off white or coloured flexible cellular plastic material

Odour: No odour

Melting point: 100 - 130°C

Ignition temperature: Approx. 350°C

Danger of explosion: Product is not explosive

Density: 0.01 - 0.1 g/ cm³

Solubility in water: Insoluble

10 Stability and reactivity

Dangerous reactions: No dangerous reactions known.

Chemical stability: Do not expose to temperatures above 70°C

Do not expose to uv radiation (no exposure to direct sunlight)

Dangerous products of decomposition: No dangerous products of decomposition known at room temperature.

11 Toxicological information

Primary irritant effect: No irritant effect

The product does not have any harmful effects, when used and handled according to specifications. The product is not subject to classification according to the calculation method of the general EC Classification Guidelines for Preparations as issued in the latest version.

12 Ecological information

Information about elimination: The product is not biodegradable

Mobility and bioaccumulation potential: Floats on waters. Does not accumulate.



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13 Disposal considerations

Product:

The product is classified as urban waste according to EC Resolution of 20.12.93 which establishes a list of wastes under requirements of EC Directive 75/442, modified by EC Directive 91/156.

The material can be either recovered or recycled according to EC Directive 94/62 requirements

Uncleaned packaging:

Disposal must be made according to official regulation

14 Transport information

Not classified as hazardous for land, maritime and air transport

15 Regulatory information

Not classified as hazardous to users

16 Other information

This information is based on the current knowledge and is intended to describe the product for the purpose of health, safety and environmental requirements only. It should therefore not be construed as guaranteeing any specific property of the product.

This Material Safety Data Sheet has been prepared in accordance with the EC Directives 91/155.

This Material Safety Data Sheet applies to

| | |
|-----------------------|------------------------------------|
| FAWO [®] LEN | Polyethylene foam sheet |
| FAWO [®] LAM | Polyethylene foam laminated sheets |
| FAWO [®] PRO | Polyethylene foam profiles |
| FAWO [®] NET | Polyethylene foam net |

