

Safety data sheet according to 2001/58/EC

Bead foam 1–2mm 18/30/45 Kg/m³

1. substance/preparation and company name

Trade name: Styrofoam
Expanded polystyrene rigid foam (EPS)
according to DIN EN 13163

Use: Thermal insulation material

Company: Styroline Großenhain

2. composition/information on ingredients

Basic substance:	expanded polystyrene
	EPS rigid foam contains
	Polymer FR Flame retardant
	(share < 1 wt.%)

Hazardous ingredients: none

3. possible hazards: none

4. first aid measures: No special measures required.

5. fire-fighting measures

Suitable extinguishing media:	Water mist, foam, dry extinguishing agent
	Water rolling jet

unsuitable:	-
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In the event of a fire, may be released:	Soot, carbon dioxide, carbon monoxide
	No particular hazard from traces
	of other degradation products: Styrene

Hazardous fume gas: Carbon monoxide

additional notes: Obstruction of visibility due to smoke formation

6. measures in the event of accidental release	
not applicable	
7. handling and storage	
Handling:	EPS rigid foam is combustible. According to DIN 4102 Part 1, flame-retardant, building material class B1 and rated as non-flammable dripping/falling. Fire extinguishers should be available when working with naked flames. Do not cut hot wire in unventilated rooms.
Storage:	No special measures required if stored properly. Note incompatibility with organic solvents.
8. exposure controls and protective equipment	
Exposure limit:	not applicable
personal protective equipment:	No special measures required.
9. physical and chemical properties	
Shape / Size:	Bead foam, 1–2 mm
Bulk density:	17/25/45 kg/cbm
Colour:	white
Odour:	odourless
Change of state:	Melting point/range: > 100 °C
Building material class:	E
Ignition temperature:	approx. 370 °C
Auto-ignition temperature:	approx. 450 °C
Solubility in water:	insoluble
Solubility in other solvents	Soluble in aromatic hydrocarbons and in most other organic solvents.
10. stability and reactivity	
The product is stable and inert under normal conditions of use, storage and handling: Exposure to temperatures > 100 °C, ignition sources and solvents. and Reactivity	

11. toxicological information

When handled and used properly, the product does not cause any adverse health effects.

12. information on ecology

Elimination data:	Test not feasible
Ecological impact:	Fish toxicity: none
	WGK: 0 (self-classification)
General notes:	EPS rigid foam is chemically neutral, not water-soluble and does not release any water-soluble substances that could lead to groundwater contamination.

13. notes on disposal

EPS rigid foam can be recycled materially, raw materially and thermally. When disposing of waste, the regulations and laws of the respective countries must be observed. EPS is not a hazardous waste, it can be deposited on regulated domestic and commercial landfills and treated in waste incineration plants without any problems.

14 Transport

Land transport:	No dangerous goods in the sense of the transport regulations
Inland waterway transport:	No dangerous goods in the sense of the transport regulations
Sea transport:	No dangerous goods in the sense of the transport regulations
Air transport:	No dangerous goods in the sense of the transport regulations

15. regulations

Labelling according to EC Directives:	Not subject to labelling
National regulations (Germany):	Major Accidents Ordinance: not subject to
	Classification according to VbF: not assumed
	TA Air: Class: not assumed
	Number: not imputed
	Water hazard class: WGK 0 (self-classification)

16. other information

The above information is based on the current state of our knowledge and does not constitute a guarantee or assurance of properties. Existing laws and regulations must be observed by the recipient of our products at his own responsibility.

R 10	inflammable
S 16	Keep away from ignition sources

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