



ZOTEFOAMS

PLASTAZOTE FOAM

FLAME RETARDANT POLYETHYLENE FOAM

LD FR, LD FM, LD FB GRADES BLACK, CHARCOAL, GREY

ALL DENSITIES

Material Safety Data Sheet

This safety data sheet has been prepared in accordance with the requirements of EC Regulation 1907/2006 Annex II and all its amendments to date of publication of this document, and provides information relating to the safe handling of the product.

1) Identification of the Substance or Preparation and of the Company

1.1 Product Name

Plastazote® LD FR / LD FM / LD FB - all densities - black/ charcoal / grey

1.2 Use of the Product

Foam sheet to be used as produced or for conversion into articles. Applications include but are not limited to construction, industrial, medical, packaging or transport applications.

1.3 Company

Zotefoams plc
675 Mitcham Road
Croydon
CR9 3AL
United Kingdom
email: msds@zotefoams.com

1.4 Emergency Contact

Director of Technology & Development
Telephone: +44 (0) 208 664 1600

2) Hazard Identification

In the event of fire, decomposition products may include acrolein, other aldehydes, halogens, hydrogen halides, antimony compounds, carbon monoxide and carbon dioxide.

May generate static electricity.

3) Composition / Information on Ingredients

Chemical Name	CAS number	EINECS number	Risk phrases	Content in weight
Polyethylene	9002-88-4	n/a	-	75 - 90
Ethylene Vinyl Acetate Copolymer	24937-78-8	n/a	-	5 - 12
Ethylene Copolymer	25750-84-9	n/a	-	5 - 12
Carbon Black	1333-86-4	215-609-9	-	0 - 2
Antimony Trioxide	1309-64-4	215-175-0	R40	1 - 3
Halogenated Additive				2 - 7

4) First Aid Measures

Inhalation: No hazard in normal use
Skin Contact: No hazard in normal use
Eye Contact: Wash with Water
Ingestion: Wash mouth and seek medical advice

5) Fire-Fighting Measures

Water spray recommended, other extinguishing agents may be used
Decomposition products may include acrolein, other aldehydes, halogens, hydrogen halides, antimony compounds, carbon monoxide and carbon dioxide.

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Not relevant

7) Handling and Storage**7.1 Handling**

Provision should be made for sufficient ventilation and local exhaust where dust/fumes may be produced. Avoid dust generation. Where dust is produced, measure must be taken to avoid static electricity discharge. Equipment used should be electrically earthed and fitted with static elimination devices.

7.2 Storage

Store in a dry well ventilated area away from direct sunlight, heat and ignition sources. The appropriate company regulations for fire prevention are to be followed. Keep away from strong oxidising agents.

8) Exposure Controls / Personal Protection

No special precautions are necessary.

9) Physical and Chemical Properties**9.1 General Information**

Appearance: Foam
Odour: None

9.2 Important health, safety and environmental information

Flash point: >300°C
Autoflammability: >300°C
Decomposition
Explosive properties: None
Vapour pressure: Not Applicable
Relative density: Polymer 0.92 g/cm³
Foam 0.015 to 0.045 g/cm³
Solubility in water: Insoluble

9.3 Other Information

Appearance: ~107°C by DSC

10) Stability and Reactivity**10.1 Conditions to avoid**

Contact with sources of ignition. Decomposes above 300°C

10.2 Materials to avoid

Strong oxidising agents

10.3 Hazardous decomposition products

May include acrolein, halogens, other aldehydes, carbon monoxide and carbon dioxide, halides and antimony compounds.



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11) Toxicological Information

In normal use no toxic effects are known.

12) Ecological Information

Material is inert and insoluble in water.

13) Disposal Information

Dispose according to local regulations. Recycling is possible.

14) Transport Information

Sea (IMDG)

Road (ADR)

Rail (RID)

Air (ICAO/IATA)

Material is classed as non-hazardous

15) Regulatory Information

None

16) Other Information

16.1 Risk phrases

see further technical information

16.2 Further technical information

Under Schedule 4, CHIP Regulations, Antimony Trioxide is classified as a Category 3 Carcinogen, with the risk phrase 40 (Possible risk of irreversible effects) and the safety phrases 22-36 (Do not breath dust; Wear suitable protective clothing) associated. Plastazote FR foams contain small quantities (<3%) of this substance bound in a polymeric matrix. In this form it is not considered a hazard to human health by ingestion, inhalation or skin contact. As such, no hazard label is required for Plastazote FR foams (Note 104 in Appendix 4 of the CHIP Regulations).

For information on mechanical and physical properties of the foam please visit the technical section of our website (www.zotefoams.com) or contact our technical support team.

16.3 Changes from last issue

Update to comply with latest regulations:

- Addition of uses
- Addition of EINECS numbers
- Addition of risk phrases
- Reference to REACH regulations as required