



PLASTAZOTE® FOAM
FLAME RETARDANT POLYETHYLENE FOAM

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

SAFETY INFORMATION SHEET

The "REACH" Regulation EC No 1907/2006 of the European Parliament and of the Council dated 18 December 2006 requires suppliers of substances and preparations to provide safety datasheets for substances of concern as defined in Article 31 of the regulation. Our foam products are classed as non-hazardous under EU regulations (CLP, REACH) and the Global Harmonised System (GHS). Under REACH our foam products are not considered as substances or preparations but as articles as defined in Article 33 of the regulation. Safety datasheets are not required for articles however to continue providing our customers with guidance relating to the safe handling and information on the composition of our foam products this safety information sheet has been prepared with reference to EC Regulation 1907/2006 Annex II.

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
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1.4 Emergency Contact

Director of Technology & Development
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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 Methylacrylate Copolymer	25103-74-6	n/a	-	5 - 12
Carbon Black	1333-86-4	215-609-9		0 - 2.5
Antimony Trioxide	1309-64-4	215-175-0	Carc. 2, H351	1 - 3
Halogenated Additive				2 - 7

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Inhalation:	No hazard in normal use. Should accidental inhalation of fumes or thermal decomposition products occur, move to fresh air and seek medical attention immediately. Symptoms may appear several hours after exposure.
Skin Contact:	No hazard in normal use
Eye Contact:	Wash with water. If irritation persists, seek medical attention
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.

6. Accidental Release Measures

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 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 – 0.045 g/cm³
Solubility in Water:	Insoluble

9.3 Other Information

Melting Point: ~107 °C

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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

Decomposition products may include acrolein, halogens, other aldehydes, carbon dioxide, and carbon monoxide, halides and antimony compounds

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) Material is classed as non-hazardous
Road (ADR)
Rail (RID)
Air (ICAO/IATA)

15. Regulatory Information

None

16. Other Information**16.1 Risk phrases**

See further technical information

16.2 Further technical information

Classification according to Regulation (EC) No. 1272/2008 [CLP]:
Antimony trioxide is considered to be a Carcinogen, Category 2 H351

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.

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

None