



## 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  
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 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     | R40          | 1 - 3               |
| Halogenated Additive              |            |               |              | 2 - 7               |

#### 4. First Aid Measures

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.



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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.

#### 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 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/cm<sup>3</sup>  
Foam 0.015 - 0.045 g/cm<sup>3</sup>  
Solubility in water: Insoluble

##### 9.3 Other Information

Melting Point: ~107°C by DSC

#### 10. Stability and Reactivity



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**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.

**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**

Under Schedule 4, CHIP Regulations, Antimony Trioxide is classified as a Category 3 Carcinogen, with the risk phrase 40 (Possible 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](http://www.zotefoams.com)) or contact our technical support team.

**16.3 Changes from last issue**



**ZOTEFOAMS**

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None