

# Material Safety Data Sheet (XLPE)

## Manufacturer Information

**DURFOAM INSULATION & PACKAGING CO..** For emergency and general information 8:30 a.m. to 18:00 Monday - Friday  
+90 224 484 25 06 telephone number available.

## 1 - Identification of Substance

**Product Name:** XLPE FOAM- Chemically crosslinked polyethylene foam mattresses, sheets and pipes

**Chemical Name:** Polyethylene

**Business Name:** Polyethylene foam

**Chemical Type:** Plastic

**Chemical Formula:** N.A.

## 2 - Composition/Ingredient Data

|   |                     |       |
|---|---------------------|-------|
| Low density Polyethylene (LDPE)   | CAS No. 09 002-88-4 | 50%   |
| Dicumylperoxide - DCP   | CAS No. 80-43-3     | <10%  |
| Blowing agent Azodicarbonamide - ADCA                                       | CAS No. 123-77-3    | < 30% |
| *Organic bromate substance with antimony trioxide and synergic disperdents. | CAS No. 1309-64-4   | >4 %  |
| **Pigment MB  |                     | <1 %  |

\*Upon request of customer

\*\*Except than natural materials

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

## 3 - Hazards identification

Most important hazards: Contains Antimony trioxide ( If matieral is Flame Retardant ). ACGIH consider Antimony trioxide as A2. However for encapsulated or bound preparations (e.g. polymers / Elastomers / extruded form) the exposure path and therefore the risk is eliminated. According to Article 10 or Annex V.B.9. (EU Dangerous Substance Directive, 67/548/EEC, Annex VI, 9.3.) such preparations "do not present a danger to human health by inhalation, ingestion or contact with the skin or to the aquatic environment in the form in which they are placed on the market".

This product is not considered hazardous

## 4 - First aid measures

**Ingestion:** If material has been ingested, seek medical advice.

**Skin Contact:** There is no risk and no need to work with gloves.

**Eye Contact:** Rinse eyes with water. In case of an uncomfortable sensation, consult a doctor or ophthalmologist.

## 5 - Fire fighting measures

Suitable extinguishing media: CO2, H2O, Foam, Dry Chemical Powder

During a fire it is advisable to cool the material with water. Material that was not ignited should, if possible, be removed from the vicinity of the fire to a safe area. Care must be taken not to stand underneath burning material, dripping of burning molten material may occur.

Smoke may contain toxic substances; it is therefore advisable to wear a mask.

Even after the flames have been extinguished, the material should be cooled with water, in order to prevent a renewed outbreak of the fire due to selfignition.

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## 6 - Accidental release measures

|                                   |  |
|-----------------------------------|--|
| <b>Personal Precautions:</b>      | See Section 8  |
| <b>Environmental Precautions:</b> | None necessary   |
| <b>Methods for Cleaning Up:</b>   | Can be cleaned by any acceptable method: Dust and fragments may be vacuumed, swept or blown away by use of air pressure. |

## 7 - Handling and storage

|                  |  |
|------------------|--|
| <b>Handling:</b> | No Restrictions  |
| <b>Storage:</b>  | It is advisable to store in a ventilated warehouse on pallets raised off the ground.<br>The material should be packed in perforated polyethylene sheeting for ventilation. The material skin must not be stored outside, particularly in the rain or in the sun. |

## 8 - Exposure controls and personal protection

| Chemical name     | CAS No.   | TLV/TWA  |       |
|-------------------|-----------|--|-------|
| Antimony trioxide | 1309-64-4 | 0.5 [mg/m <sup>3</sup> ]                         | ACGIH |
| Deca-BDE          | 1163-19-5 | TLV not determined<br>TWA 5 [mg/m <sup>3</sup> ] | IAHA  |

### Engineering measures to reduce exposure:

If dust or vapor condition is above the recommended level, use local extraction apparatus (likely only in the case of a fire).

### Personal Protection Equipment:

|                                  |   |
|----------------------------------|---|
| <b>Respiratory Protection:</b>   | Not necessary.  |
| <b>Hand Protection:</b>          | Not necessary.  |
| <b>Eye Protection:</b>           | Not necessary.  |
| <b>Skin and Body Protection:</b> | There is no need for any protective measures.   |
| <b>Hygiene</b>                   | Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. |

## 9 - Physical and chemical properties

|                                    |                             |  |                                       |                            |
|------------------------------------|-----------------------------|--|---------------------------------------|----------------------------|
| <b>State:</b> Foam PE              | <b>Colour:</b> Various      | <b>Density:</b> 25-250 kg/m <sup>3</sup> | <b>Odour:</b> None                    | <b>Melting Point:</b> N/A  |
| <b>Boiling Point:</b> N/A          | <b>Vapour Pressure:</b> N/A | <b>Auto Ignition Temp:</b> N/A           | <b>Flashpoint:</b> N/A                | <b>Explosion Risk:</b> N/A |
| <b>Decomposition Temp:</b> >300 °C |                             | <b>Danger of explosion:</b> N/A          | <b>Solubility in water:</b> Insoluble |                            |

## 10 - Stability and reactivity

|  |   |
|--|---|
| <b>Stability:</b>                        | (x) Stable ( ) Unstable                       |
| <b>Conditions to avoid:</b>              | Temperatures over 1500C                       |
| <b>Hazardous Decomposition products:</b> | CO <sub>x</sub> , Hydrocarbons, Trace Ammonia |
| <b>Hazardous Polymerization:</b>         | ( ) may occur (x) will not occur              |

## 11 - Toxicological information

|                    |  |
|--------------------|--|
| <b>Skin:</b>       | No toxicity  |
| <b>Eye:</b>        | Dust may cause irritation                                    |
| <b>Ingestion:</b>  | Uncomfortable if swallowed in large quantities               |
| <b>Inhalation:</b> | A high concentration of dust and fragments may cause nausea. |

## 12 - Ecological information

PE is regarded as biologically inert  
The waste can be buried at an appropriate site or burned in a furnace The foam can also be ground down for the production of recycled foams.

## 13 - Disposal considerations

|                                    |  |
|------------------------------------|--|
| <b>Waste from residues/unused:</b> | Dispose of in accordance with local regulations. |
| <b>Contaminated Packaging:</b>     | Dispose of in accordance with local regulations. |

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## 14 - Transport information

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Not classified as hazardous for land, maritime and air transport.

## 15 - Regulatory information

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Classification according to European directive on classification of hazardous preparations 91/155/EEC

## 16 - Other Information

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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.

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