

Material Safety Data Sheet (IXPE)

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: IXPE FOAM- Physically 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 (phr)

Low density Polyethylene (LDPE)	CAS No. 09 002-88-4	100
Blowing agent Azodicarbonamide - ADCA	CAS No. 123-77-3	< 30
Ethylene Vinyl Acetate (EVA)	CAS No. 24937-78-8	< 5
MB ZnO	CAS No. 1314-13-2	< 2
MB Zn-St	CAS No. 557-05-1	< 2
MB Ca-st	CAS No. 1592-23-0	< 2
Antioxidant	CAS No. 793-24-8	< 2
DBDPE*	CAS No. 84852-53-9	< 18
Sb2O3*	CAS No. 1309-64-4	< 8

Pigment MB**

*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 material 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.

6 - Accidental release measures

Personal Precautions:	See Section 8
Environmental Precautions:	None necessary
Methods for Cleaning Up:	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

Handling:	No Restrictions
Storage:	It is advisable to store in a ventilated warehouse on pallets raised off the ground. 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 ³]	ACGIH
Deca-BDE	1163-19-5	TLV not determined TWA 5 [mg/m ³]	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:

Respiratory Protection:	Not necessary.
Hand Protection:	Not necessary.
Eye Protection:	Not necessary.
Skin and Body Protection:	There is no need for any protective measures.
Hygiene	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

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

10 - Stability and reactivity

Stability:	(x) Stable () Unstable
Conditions to avoid:	Temperatures over 1500C
Hazardous Decomposition products:	COx, Hydrocarbons, Trace Ammonia
Hazardous Polymerization:	() may occur (x) will not occur

11 - Toxicological information

Skin:	No toxicity
Eye:	Dust may cause irritation
Ingestion:	Uncomfortable if swallowed in large quantities
Inhalation:	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

Waste from residues/unused:	Dispose of in accordance with local regulations.
Contaminated Packaging:	Dispose of in accordance with local regulations.

14 - Transport information

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

15 - Regulatory information

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

16 - Other Information

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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