

1. Identification of the preparations and company

Product details:

The products consist of a reinforcing net of polyester multifilament laminated to a blown film of LDPE and a coating layer of LDPE with flame retardant additives. Monarflex standard eyelets are made from LLDPE polyethylene.

The products are delivered in rolls, on a cardboard core and packed in a clear PE foil for protection. Rolls are either stacked on a wooden pallet or cross-stacked.

Trade names:

Flame retardant reinforced polyethylene products
<i>MONARFLEX® Super T Plus Flamesafe</i>
<i>MONARFLEX® Super Light Flamesafe</i>
<i>MONARFLEX® Light Flamesafe</i>
<i>MONARFLEX® Stripe Flamesafe</i>

Manufacturer:

Monarflex a/s
Marielundvej 39-43
DK-2730 Herlev
Denmark

2.0 Composition/information on ingredients

The product is composed by polyethylene - CAS No. 9002-88-4 - reinforced with PET polyester yarn – CAS No. 25038-59-9 - and an organic bromine compound and antimony trioxide – CAS No. 130964-4. Concentration of antimony is less than 4%. It contains no substances classified as hazardous, in concentrations which should be taken into account according to EC directives.

3. Hazard identification

Non hazardous

4. First aid measures

General information:

After inhalation:

No special measures required

In case of exposure to fumes released from heated material, remove person to fresh air and seek medical attention.

After skin contact:

Harmless under normal conditions. Under combustion hot drips may drip and burn the skin. Flush skin with cold water and summon medical attention.

After eye contact:

No effect

After ingestion:

Unlikely

5. Fire-fighting measures

Suitable extinguishing media: Water, foam or dry chemicals

6. Accidental release measures

None

7. Handling and storage

No special precautions regarding handling. Store rolls in a non-heated and dry location and keep out of direct sunlight

8. Exposure controls/personal protection

None

9. Physical and chemical properties

This product does not contain any volatile solvents and therefore there is no associated flashpoint. Combustion of this product will produce carbon dioxide, water and soot. Ignition temperature > 300 °C. At temperatures above 300 °C, organic compounds like carbon monoxide, hydrocarbons, aldehydes and ketones are released. At temperatures above 400 °C, hydrogen bromide and antimony oxybromides are released.

10. Stability and reactivity

The product is chemically stable and shows very low reactivity at ambient temperatures.

11. Toxicological information

All component material are essentially non-volatile and of low toxicity. The major components can be regarded as essentially harmless under normal circumstances. Heating above 320 °C and combustion leads to formation of volatile antimony bromide, antimony oxybromine and hydrogen bromide. These compounds are toxic and corrosive.

12. Ecological information

Due to the chemical nature of the ingredients, the product is not ecotoxic and not readily biodegradable. Please note that unintended use of disposal (see section 16) may release harmful compounds to the environment.

13. Disposal considerations

Can be disposed off as landfill waste. Incineration of a flame retardant sheeting should only be done under carefully controlled conditions with cleaning of the smoke gas – preferably by acid neutralisation – and controlled disposal of the (toxic) gas cleaning residues. Regulations may vary in different countries.

14. Transport information

Not classified as hazardous for transport purposes

15. Regulatory information

None

16. Other information

The flame retardant additives in the product are carefully selected for low migration and high purity. However, prolonged exposure to certain chemicals – which is an unintended use of the product – may lead to extraction of some of the additives. This Safety Data Sheet does not disengage the user of his duty to know and apply any law and regulation that may be relevant.