

H45FRB - Fire Retardant Polyethylene

Safety data information

1. Description

Product Name: H45FRB

Chemical Family: Chemically Cross-linked Polyethylene/EVA Foam

Supplier: Premier Sealant Systems Ltd

2. Composition

2.1. Product type - Chemically Cross-linked Polyethylene & EVA Foam

2.2 An Article is defined as an “object which during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition” (REACH art. 3 No. 3)

H45FRB foam is an article, and therefore an MSDS is not required. (REACH article 31)

2.3 H45FRB foam do not contain an SVHC candidate list substance, or other substance listed under REACH article 57, in concentration of 0.1% (w/w) or above.

3. Handling & storage

3.1 Handling – No restrictions.

3.2 Storage –

It is advisable to store in a ventilated warehouse on pallets raised off the ground. Avoid UV radiation.

Foam should be packed in perforated polyethylene sheets for ventilation.

The material must not be stored outside, particularly in the rain or in the sun. Shrink wraps are not advisable.

3.3 Physical and chemical properties:

State: Foam PE

Density: 25-200kg/m³

Boiling Point: N/A

Flashpoint: N/A

Color: off white

Melting Point: N/A

Vapor Pressure: N/A

Explosion Risk: N/A

Odor: None

Decomposition Temp: >300oC

Auto Ignition Temp: N/A

Water Solubility: None

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3.4 Stability and conditions

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

4. Hazard identification

There are no known hazardous decomposition compounds.

5. 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.

6. Firefighting 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.
Hazardous gasses that may be generated: Carbon dioxide, carbon monoxide, hydro bromic acid, nitrogen monoxide, nitrogen dioxide.

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 self-ignition.

7. Accidental Release Measures

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.

8. Personal protection and exposure

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).

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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. Disposal

9.1 Ecological and recycling information

Details for elimination:

The waste can be buried at an appropriate site or burned in a furnace. The foam can also be ground down/fed for the production of recycled foams.

Performance in Ecological Sub System:

PE is regarded as biologically inert.

9.2 Waste from residues/unused:

Dispose of in accordance with local regulations.

Contaminated Packaging:

Dispose of in accordance with local regulations.

10. Regulations

Classification according to European directive on classification of hazardous preparations 91/155/EEC, and REACH regulation article 33 (Information Obligation by the supplier).

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