



In accordance with 453/2010 and 1272/2008. (All references to EU regulations and directives are abbreviated into only the numeric term).

SECTION 1: Identification of the Substance/ Mixture and of the Company Undertaking

1.1. Product identifier

Trade name **iPASSIVE PEF Backing Rod**
Chemical name **Plastics**

1.2. Details of the supplier of the material safety data sheet

Company iPASSIVE Fire, B:Hive Building,
Smales Farm, 74 Taharoto Rd,
Takapuna, Auckland 0622
Telephone +64 9 869 5150
E-mail info@passivefire.com
Website ipassivefire.com

1.3. Emergency telephone number

Acute cases: Call 09 869 5150, request poison information.

SECTION 2: Composition

LDPE Low Density Polyethylene Granules
Hydrocarbon Gas
Glycerol Monostearate
Tracel

SECTION 3: Physiological and Health Hazards

3.1. Description of hazards

Eyes

Dust may cause irritation or corneal injury due to mechanical action. Fumes released during hot operation may cause irritation

Skin

May cause some irritation but extremely rare

Ingestion

May be harmful if swallowed

Inhalation

Fumes generated during hot operation may cause irritation to upper respiratory tract and lungs.

SECTION 4: First Aid Measures

4.1. Description of first aid measures

Upon breathing in

Remove to fresh air. If not breathing administer artificial respiration. Seek medical advice/attention.

Upon eye contact

Flush with plenty of water to remove dust.

Upon skin contact

Wash with soap and water.

Upon ingestion

Not a likely route of exposure but induce vomiting if large quantities are consumed.

SECTION 5: Extinguishing Data

Water, Carbon dioxide and/or dry chemical

5.1. Fire and Explosion Hazards

Trace amounts of residual blowing agent may be present in foam.

5.2. Special Fire Fighting Procedures

Firefighters should be equipped with positive pressure self contained breathing apparatus in enclosed areas.

5.3. NFPA Hazard Code

Health	0
Flammability	1
Reactivity	0
Special Hazard	None

SECTION 6: Handling and Storage

6.1. Conditions for safe handling

Handle as general inert material.

6.2. Storage Temperature

Max 160°F (71°C)

6.3. Conditions for safe storage

Do not store in air tight containers as product may generate heat.

Do not store near sources of ignition or near heating equipment. Product burns readily when exposed to hot ignition.

During fabrication processes that cut large numbers of interior foam cells, there will be a release of localized amounts of residual blowing agent, provide adequate ventilation to prevent concentration of blowing agent.

SECTION 7: Physical and Chemical Properties

7.1. Information on basic physical and chemical properties

a. Appearance	White or Coloured, non cross linked, closed cell PE Foam
b. Odour	None
c. Specific Gravity	N.E.
d. Melting Point	230°F (110°C)
e. Water Resistance	Insoluble
f. Bulk Density	30-40 kg/m ³



SECTION 8: Stability and Reactivity

8.1. Stability

Inert, very stable.

8.2. Polymerization

Absent.

8.3. Conditions to avoid

Flames, very high temperatures and long exposure to intense UV light.

8.4. Incompatible materials

Long contact strong oxidants.

8.5. Hazardous decomposition products

None.

SECTION 9: Ecological Information

9.1. Environmental

Inert to environment.

9.2. Biodegradation

Not expected to exhibit any significant biodegradation.

SECTION 10: Disposal Considerations

10.1. Disposal methods

Reuse, recycle, incinerate or dispose in approved landfill. Follow all regulatory requirements for disposal.

SECTION 11: Transport Information

Large quantities of foam must be transported in ventilated vehicles. Exercise caution when opening vehicles due to presence of residual blowing agent in product. Avoid all sources of ignition, sparks, tobacco products, open flame torches etc. near the vehicle or foam.

11.1. DOT

Not regulated.

11.2. IMO

Not regulated.

11.3. IATA/ICAO:

Not regulated.