

Safety Data Sheet



1. IDENTIFICATION OF THE SUBSTANCE

Product Name APETlite
Description Flat Sheet
Manufacturer Foamalite Ltd, Cloone, Lough Gowna, Co. Cavan, IRELAND
Telephone +353-436-683-525
Fax +353-436-683-523

2. HAZARDS IDENTIFICATION

Not classified as dangerous according to EC-directives.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Typical composition %
Polyethylene Terephthalate	024938-04-3	100

4. FIRST AID MEASURES

Inhalation Move to fresh air in case of accidental inhalation of fumes from overheating or combustion during further processing of the sheet.
Consult a physician after significant exposure.

Skin Contact Cool skin rapidly with cold water after contact with molten polymer.
Do not peel polymer from the skin.
Obtain medical attention.

Eye Contact Wash with plenty of water

Ingestion Not expected.

5. FIRE FIGHTING MEASURES

Extinguishing Media Waterspray, dry chemicals, sand, CO₂

Special fire fighting precautions Wear self-contained breathing apparatus and appropriate protective clothing
Structural firefighters protective clothing will only provide limited protection.

Thermal decomposition products Acetaldehyde is the dominant, volatile product that is formed during thermal decomposition of PET. When heated to decomposition it emits acrid smoke and irritating fumes.

Hazardous Combustion Products Carbon Dioxide, Carbon Monoxide

Fire or Explosion Containers may explode when heated

Unusual Fire & Explosion Hazards Powdered material may form explosive dust-air mixture.

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6. ACCIDENTAL RELEASE MEASURES

Clean up by vacuuming or wet sweeping to minimize dust exposure (during further processing)

7. HANDLING AND STORAGE

Personal precaution measures	No special precautionary measures required under normal use.
Prevention of fire and explosion	Keep away from oxidizing materials. Minimize dust generation and accumulation during further processing.
Storage	Dry storage, protect from direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection	None required under normal use. In the case of respirable dust or fumes wear self-contained breathing apparatus.
Eye protection	Safety glasses if machining or further processing
Hand protection	Not required
Hygiene Measures	Follow standard workplace hygiene measures.
General precaution for all plastics and elastomers	Do not breathe fumes from hot polymer

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical	Solid sheet
Colour	Colourless or when required according colour additive
Odour	Odourless
Density	1.33g/cm ³
Melting point	240-265°C
Flashpoint	440°C
Autoignition Temperature	500°C
Solubility in water	Insoluble

10. STABILITY AND REACTIVITY

Materials to avoid	Strong oxidising agents
Hazardous Decomposition Products	Acetaldehydes
Hazardous Reactions	Stable under normal conditions

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	No data available
Skin Irritation	None known

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12. ECOLOGICAL INFORMATION

This product has no known eco-toxicological effects. Water in-soluble, non-toxic solid.

13. DISPOSAL CONSIDERATIONS

This product can be recycled. Where possible, recycling is preferred to disposal or incineration. Disposal should be carried out in compliance with local/national laws.

14. TRANSPORT INFORMATION

ICAO (Air) Not classified as Dangerous

IMDG (Sea) Not classified as Dangerous

ADR/RID (Road/Rail) Not classified as Dangerous

15. REGULATORY INFORMATION

This product is non-hazardous in accordance with Directive 1999/45/EC

16. OTHER INFORMATION

Recommended Restrictions Do not use in medical applications involving permanent implantation in the human body.

All above information is based on current knowledge and experience. The data does not imply any warranty from the manufacturer towards third parties. Users should consider the above data as a guideline and gather additional information, to make independent decisions regarding the proper use, disposal, safety towards other parties and the protection of the environment.