



Safety Data Sheet
Thermaflex Flexalen Foam

1 Identification of

1.1 Product Thermaflex Flexalen Foam

1.2 Company Production plant NL Thermaflex Isolatie bv
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Safety responsible: Gerrit-Jan Baars

1.3 Emergency phone number Do call Thermaflex Isolatie bv
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Maikel Renders



2. Product description

Thermaflex Flexalen Foam is produced in a continuous extrusion process. ThermoFlex Flexalen Foam is based on polyolefin polymers and physically foamed with an organic foaming agent. The foaming agent is known as non depleting substance to the ozone layer.

3. Hazards identification

Polyolefin foam will burn when provided with an adequate amount of heat and oxygen; therefore do not expose the material to any flame or other source of ignition or heat. Subject to reasonable care and cleanliness there are no obvious problems associated with the handling of polyolefin foams.

4. First aid measures

After contact to skin or eyes: No special measures. See 11 Toxicological information

In case of fire: if smoke gases are inhaled, which contain mainly carbon dioxide (CO₂) and carbon monoxide (CO): Fresh air, coffee and possibly artificial respiration (call immediately a doctor) are the recommended measures.

If headache, nausea or vomiting occur, contact a doctor.

If body skin is burned through contact with molten foam: Cool burned parts with water, but do not remove the foam from the skin. If skin burn grad 2 or 3 is reached: call immediately a doctor.

5. Fire fighting measures

Fire extinguishing mediums are:
Water spray, extinguishing foam, CO₂-extinguisher.
Use respirator/oxygen masks in enclosed areas.

Avoid dense smoke and do not inhale the smoke gases from combustion. During a fire, irritating and toxic gases may be generated by thermal decomposition or combustion.
Use safety glasses and protect skin/body with protective clothing against molten ThermoFlex Flexalen Foam.



6. Accidental release measures

Not applicable. No special precautions are necessary. This product is a non-hazardous waste when spilled or disposed

7. Handling and storage

7.1 Handling

Practice reasonable care as a normal safety precaution. Fabrication areas should be well ventilated to carry away fumes, vapors and dust. Operatives should be assured of a supply of fresh air. The working environment should be kept clean and free of dust.

7.2 Storage

Practice reasonable care and cleanliness; provide adequate distance between stacks as a safety precaution. Do not expose to any source of flame, ignition or heat. Recommended storage is inside due to UV light and heat sensitivity.

8. Exposure controls/personal protection

Breathing protection: Use special personal breathing respirator/mask or filter, in special fabrication areas (see 7.1 Handling) that are not well ventilated, in order to protect from fumes, vapors and dust.

Hand protection: Wear gloves (cotton, wool or leather), when working in fabrication areas utilising heat processes, to prevent from possible thermal injury from hot foam.

Eye protection: Use goggles or face masks, when working in fabrication areas utilising heat processes, to prevent possible contact with hot foam and thermal injury.

Body protection: Wear clothes and shoes, to protect the full bodyskin, especially when working in fabrication areas utilising heat processes, to prevent possible thermal injury (burns).



9. Physical and chemical properties

Appearance: semi rigid closed cell, polyolefin plastic foam web, available in a wide variety of types.
 Odour: odourless
 Autoflammability: >300 °C
 Thermal decomposition: >160 °C
 Explosive properties: none
 Apparent density: 30-35 kg/m³
 Solubility in:
 water: insoluble
 organic solv.: insoluble, partly soluble, swelling; depending on solvent type.

10 Stability and reactivity

Avoid any temperature >160 °C over a period >10 min.
 Avoid any contact with strong oxidizing chemicals.

Dangerous decomposition products: decomposition gases/vapours in heat fabrication processes combustion gases in case of fire.

11. Toxicological information

Toxicologically harmless.
 Polyolefin foams are among the most inert polymer foams and constitute no hazards in terms of normal handling and skin contact.

12. Ecological information

Environmentally harmless:
 - insoluble in water: no contamination
 - insoluble in most solvents
 - degradable only by UV light
 ThermoFlex Flexalen Foam is produced (H)CFC free.

13. Recycling & Disposal Considerations

Recycling: 100% recyclable to be used in own products
 Disposal: When disposing of any wastes, observe all applicable national and local regulations.

14. Transport information

No restriction and non dangerous material in relation to transportation regulations according to regulations ADR/RID, IMO and IATA

15. Other information

For additional product information contact ThermoFlex Isolatie BV.