

# Select Products - Material Safety Data Sheet

Date prepared: 17 January 2005

Date revised: 27 May 2013

**Product Name:** Flexible Thermal Blankets  
**Product Code(s):** SEL6200, SEL6201

## 1. Identification of the Substance/Preparation and the Company/Undertaking

Substance or preparation trade name: Select Flexible Thermal Blanket

Unique reference numbers(s): SEL6200, SEL6201

Company name & address: Select Products Division, The Select Group of Companies Ltd, Loribon House, Aspen Way, Yalberton Industrial Estate, Paignton, Devon TQ4 7QR England.

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Test	Standard*	Contents
1. Material		Needle felt made of 100% Sigrafil fibre
2. Segrafil: oxidized fibre (carbonized) for textile use	Industry standard: PANOX	Polyacrylnitril-fibre (PAN): voroxydized, thermally stabile.
3. Characteristics		Non burn, softening, melting, does not drop, physically safe.
4. Weight	DIN EN 12127	500 +- 40 G/M2
5. Thickness	DIN EN ISO 9073-2	5,0 +- 1,0mm
6. Stabilization		Mechanically pierced
7. Burn resistance	DIN 75200	B < 100 MM/m
8. Burn rating class S-a Temperature range	DIN EN 532/533 DIN 66083	S -a (higher LO1-value) ca. 600 C; 1100 C short term.

Application: PAN-fibres are specially made for technical textiles, for thermic and acoustical insulation.

Tolerance subject to change

\* according to the present standards

## 2. Composition

Substance: Additives: Titaniumdioxide, Dyes where applicable <1

% content: Polymer 98-99%.

CAS Number: 25 038-59-9

Chemical Name: Polyethylenterephthalate

Fibertype: Polyester (PES)

Appearance: Staple, Filament

Trade mark or synonyms: Polyester

### 2.1. Special Ingredients

#### 2.2.1. Finish

The fiber product itself is not toxic. It can contain up to 1% of finish.

Consult the manufacturer if the product is to be used for special applications such as in the food industry, or for hygiene, or in the medical or surgical sectors. To date, proper use of this fiber product has not been associated with any detrimental effects on health.

Finish is applied to most fibers and yams as a processing aid. The finish, spooling oils and sizes can generally be removed in an aqueous medium if so required.

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2.2.2 Solvent - None

## 3. Hazards Identification

The product is neither cancerogenic, mutagenic or teratogenic.

## 4. First aid measures

Skin contact: Wash with soap and water. In case of irritation see physician.  
Eye contact: In case of eye contact, rinse with plenty of water. In case of persistent Irritation see physician.  
Ingestion: No special measures necessary  
Inhalation: Inhalation hazards of this product are negligible pending possible Imposition of threshold limit values. Therefore no special precautionary Measures are necessary.  
Inhalation of fiberfly, dust and finish composition products should be Avoided by hood suction or fresh air ventilation. In case of coughing or Other symptoms the person should seek fresh air and – if necessary – see a physician.

## 5. Fire fighting measures

### **Suitable extinguishing media:**

All usual extinguishing media can be used. Do not use water, If fire is caused by an electrical short circuit.  
Use selfcontaining breathing apparatus for fire fighting in closed rooms.

### **Special hazards in fire:**

Fiber dust and fly could represent a fire hazard at sufficient Concentrations. Remove ignition sources. Beware of electrostatic charges.

### **Hazardous decomposition products:**

Carbonmonoxide, carbondioxide and low-molecular-weight organic Compounds depending on temperature and air supply.

### **Burning behaviour:**

Combustion temperature: not applicable, product will burn in a fire.  
Autoignition temperature: 515 C DIN 51794  
Thermal decomposition: > 300 C

## 6. Accidental release measures

**Spills:** In case of accidental spills refer to section 5 "Fire Fighting Measures" and Section 7 "Handling and Storage"

## 7. Handling and storage

All packages, cartons or bales must be stored in line with applicable Procedures and requirements.

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## 8. Exposure Controls

Engineering measures: Avoid accumulation of fiberfly, dust and finish decomposition products by sufficient air supply and proper house keeping.

Eye protection: Appropriate safety measures e.g. while cutting bale or carton straps.

Skin protection: Fibers that are processed at high speeds could cause abrasions or cuts. Appropriate protective measures are recommended.

Personal protection equipment: Limits to exposure - None

## 9. Physical and chemical properties

Appearance: Form: staple fiber, tow. Colour: White or dyed.

Odour: None

Melting point: 250-260C

Specific density: 1,3 – 1,4 g/cm<sup>3</sup>

Solubility in water: not soluble

Solvents: None

Autoignition temperature: see 5.1

Decomposition: see 5.1

## 10. Stability and reactivity

Conditions to avoid: Temperatures above 300 C will decompose the material if oxygen is Present (see also 5.1 and 10.4)

Materials to avoid: Polyester will be decomposed by strong oxidation agents as well as strong Acids and caustic.

Decomposition: Hazardous decomposition products see 5.1

Polymerization: Not applicable

## 11. Toxicological information

See 2.2.1.

## 12. Ecological information

The fiber product is not associated with any ecological problems.

The finish may vapourise or decompose at temperatures above 130 C

If subsequent processing involves the use of water, the waste water should be given the appropriate in a purifying plant, in line with local regulations.

## Ecochemical information

Under usual soil conditions Polyester is stable and does not Decompose.

## 13. Disposal Considerations

If recycling is not possible, Polyester can be disposed of in a suitable refuse Installation or incinerated subject to local regulation.

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## 14. Transport information

GGVSee/IMDG-Code: UN-Nr. ICAO/iata-dgr  
GGVE/GGVS: RID/ADR: ADNR:

## 15. Regulatory information

see 14

## 16. Other Information

This safety data sheet for synthetic fibers uses the format and listing sequence the EC-Material Safety Data Sheet for chemical compounds and preparations. It is intended to provide information about the physical properties, safety aspects, toxicological data and ecological characteristics which are relevant for the use of synthetic fibers in textile and industrial applications, and to recommend safe procedures for handling, storage and transport. Furthermore, it should also serve to provide industrial users of synthetic fibers with the appropriate information to protect both man and the environment. It was not designed with the private enduser in mind. It is recommended that supplementary information be requested in an unusual application of synthetic fibers is intended.

The information given here is the best available to the author of this document on the data of issue. It does not constitute a contractual description of the product properties.

Previous documents used:

Jutec GmbH Technical Data Sheet Rev:03 - 05.05.05 Sigrafil needle felt black F0000000

Jutec data sheet for synthetic fibres 15.12.04

## FOR COMPANY USE

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