Product Name: Flexible Thermal Blankets
Product Code(s): SEL6200, 6201 AND 6202

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

Substance or preparation trade name: Select Flexible Thermal Blanket
Unique reference numbers(s): SEL6200, 6201 & 6202
Company name & address: Select Products Division, The Select Group of Companies Ltd, Loribon House, Aspen Way, Yalberton Industrial Estate, Paignton, Devon TQ4 7QR England.
Tel: +44 (0)1803 540154 Fax: +44 (0)1803 540157 web: www.selectselect.net

<table>
<thead>
<tr>
<th>Test</th>
<th>Standard*</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Material</td>
<td></td>
<td>Needle felt made of 100% Sigrafil fibre</td>
</tr>
<tr>
<td>(carbonized) for textile use</td>
<td>standard:</td>
<td>PANOX</td>
</tr>
<tr>
<td>3. Characteristics</td>
<td></td>
<td>Non burn, softening, melting, does not drop. physically safe.</td>
</tr>
<tr>
<td>4. Weight</td>
<td>DIN EN</td>
<td>500 +- 40 G/M2</td>
</tr>
<tr>
<td>5. Thickness</td>
<td>DIN EN</td>
<td>5.0 +- 1.0mm</td>
</tr>
<tr>
<td>6. Stabilization</td>
<td></td>
<td>Mechanically pierced</td>
</tr>
<tr>
<td>7. Burn resistance</td>
<td>DIN EN</td>
<td>B &lt; 100 MM/m</td>
</tr>
<tr>
<td>8. Burn rating class S-a</td>
<td>DIN EN</td>
<td>S-a (higher LO1-value)</td>
</tr>
<tr>
<td>Temperature range</td>
<td>532/533</td>
<td>ca. 600°C; 1100°C short term.</td>
</tr>
<tr>
<td></td>
<td>66083</td>
<td></td>
</tr>
</tbody>
</table>

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: Titanium dioxide, 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.
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 

Hazardous decomposition products:
Carbon monoxide, 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.
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 scraps.

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**


Odour: None

Melting point: 250-260°C

Specific density: 1.3 – 1.4 g/cm³

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.
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

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