

Date December 2004

Material Safety Data Sheet

1 Identification of the product and the company

1.1 Identification of the product

6110150	6110230
6110180	6110250
6110200	

1.2 Company identification

Name	Hanotex BV
Address	Handelswei 10-12 8501 XJ Joure, The Netherlands P.O.Box 106 8500 AC Joure, The Netherlands
Phone	+31 513 412034
Fax	+31 513 413015
E-mail	info@hanotex.nl
Internet	www.hanotex.nl

2 Composition

2.1 Chemical characteristics Needle-punched and resin-bonded polyester fibres from polyester chips.

Hazardous substances as defined by the law 28/05/74 number 256 and subsequent modifications and additions (DM 28/01/92 appendix 3 paragraph 2) are not present in concentrations superior to 0,1% in the case of toxic or very toxic substances, and superior to 1% in the case of harmful, corrosive or irritant substances.

3 Hazards identification

3.1 Skin contact	May cause irritations on particular sensitive persons
3.2 Eyes contact	No known effects
3.3 Ingestion	No known effects
3.4 Inhalation	Inhalation of dust may cause throat irritation
3.5 Danger for environment	None

4 First-aid measures

4.1 Skin contact	In case of irritation, wash with water
4.2 Eyes contact	No known effects
4.3 Ingestion	No known effects
4.4 Inhalation	Move affected person away from the contaminated area

Note: in case of chronic symptoms, consult a doctor.

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5 Fire fighting measures

- | | | |
|-----|---------------------------------------|--|
| 5.1 | Appropriate firefighting measures | Carbon dioxide, water and extinguishing powder and foam |
| 5.2 | Non appropriate firefighting measures | None |
| 5.3 | Hazardous combustion product | Carbon monoxide (CO)
Carbon dioxide (CO ₂)
Low molecular weight organic decomposition products
(aldehydes, acids, acrylic monomers) |
| 5.4 | Specific protection measures | Wear self-contained breathing apparatus and a protective suit |

6 Accidental release measures

Not applicable

7 Handling and storage

- | | | |
|-----|--------------|---|
| 7.1 | Manipulation | No precaution is necessary during proper use |
| 7.2 | Storage | Store in a dry area. Keep away from heat and sources of ignition.
Smoke alarm to be installed. |

8 Exposure controls / personal protection

Specific parameters of control

Component	Exposure limits (TLV/TLWA)	Exposure limits (TLV-STEL)
Total dust	10 mg/mc	-

- | | | |
|-----|-------------------------------|---|
| 8.1 | Respiratory system protection | In case of dust, use a mask during handling |
| 8.2 | Hands protection | Use gloves during handling |
| 8.3 | Eyes protection | None requested |
| 8.4 | Skin protection | Not applicable |

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9 Physical and Chemical properties

9.1	Physical state	Solid
9.2	Colour	Coloured
9.3	Odour	No odour extraneous to the kind of product
9.4	PH	Not applicable
9.5	Boiling point	Not applicable
9.6	Melting point (polyester)	230°C - 260°C
9.7	Flash point	Not applicable
9.8	Inflammability	Burn when put near a flame
9.9	Autoignation temp.	Not autoinflammable
9.10	Explosive properties	Not explosive
9.11	Combustible properties	Not combustible
9.12	Vapour pressure	Not applicable
9.13	Relative density	Not applicable
9.14	Solubility in water	Not soluble
9.15	Solubility in solvents	Soluble in boiling m-cresol, in boiling Phenol at 85%, in boiling Sodium Hydroxide at 45% and partially soluble in Cyclohexanone at 120°C.

10 Stability and reactivity

10.1	Conditions to be avoided	No particular conditions (such as pressure temperature, light and shocks) needs to be avoided. Contact with acid, base and oxidiser to be avoided.
10.2	Hazardous decomposition products	The product does not decompose spontaneously

11 Toxicological information

Unknown toxicological effects deriving from handling and exposure to the material.
Exposure to dust might cause temporary throat irritation.
Prolonged skin contact might cause irritation on particularly sensitive persons.

12 Ecological information

Not listed as a hazardous substance (in accordance with the Regulation issued by the European Community Committee).

13 Waste disposal remarks

The product cannot be dispersed in the environment.

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14 Transport information

14.1	On road/railway transport (ADR/RID)	Not applicable
14.2	Sea transport (IMDG)	Not applicable
14.3	Air transport (IATA)	Not applicable

15 Regulatory information

No particular classification, labelling and packaging is required according to EEC regulations.

16 Other information

This Material Safety Date Sheet was drawn up according to what is prescribed by the EEC Directive 91/155. The data have been taken from the safety sheet of the compounds and from the N.I.SAX "Dangerous Properties of Industrial Materials". Further information, as soon as available, will be submitted without delay.

The information contained in this Material Safety Data Sheet has been developed by the manufacturer to the best of its knowledge. Therefore, the manufacturer and the company do not assume any liability with respect to the correctness and/or completeness of the information provided by this Material Safety Data Sheet. The customer in particular shall not be released from his duty to check all safety relevant properties of the delivered nonwovens and to refer to the official texts for full information on the local obligations.