

Date July 2008

Material Safety Data Sheet

1 Identification of the product and the company

1.1 Identification of the product

GSM90 GSM110

1.2 Company identification

Name	Hanotex BV
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2 Composition

2.1 Nonwoven	Spunlaid, thermal bonded
2.2 Nature of the fibre(s)	PET and PA
2.3 Surface treatment concentration > 1%	Yes approx. 1,5% tufting finish (water soluble and biodegradable oil)
2.4 Other major components	Not applicable

3 Hazards identification

3.1 Nonwoven	No hazardous product under normal conditions Accidental thermal decomposition or melting state can present hazards.
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4 First-aid measures - Under normal conditions

4.1 Inhalation	No specific measure to be taken
4.2 Skin contact	No specific measure to be taken
4.3 Eyes contact	No specific measure to be taken
4.4 Ingestion	No specific measure to be taken

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5 Fire fighting measures

5.1	Suitable extinguishing media	Water spray, dry chemical or CO ₂ extinguisher
5.2	Extinguishing media not to be used	None
5.3	Special exposure hazard	For flammable and toxic fumes as well as skin with molten materials, see pt.10
5.4	Special protective clothing for fire fighter	None

6 Accidental release measures

Not applicable

7 Handling and storage

Normal requirements

8 Exposure controls / personal protection

No specific measures

9 Physical and Chemical properties

9.1	Appearance (the colour of the product supplied)	grey, white or black
9.2	Odour	not applicable
9.3	PH	not applicable
9.4	Boiling point/boiling range	not applicable
9.5	Melting point/melting range	approx. 220°C (PA), approx. 258°C (PET)
9.6	Flash point	not applicable
9.7	Flammability (solid/gas)	not easily (see pt.10)
9.8	Autoflammability	approx. 350°C (PA), approx. 508°C (PET)
9.9	Explosive properties	not applicable
9.10	Oxidizing properties	not applicable
9.11	Vapour pressure	not applicable
9.12	Relative density	not applicable
9.13	Solubility: - water solubility	insoluble
9.14	Partition coefficient: n.octanol/water	not applicable

10 Stability and reactivity - conditions to avoid

- 10.1 Under thermal decomposition flammable and toxic fumes can be generated.
- 10.2 Above 300°C toxic and flammable gases, carbon monoxide may be released. The generation of cleavage and oxidation products is subject to fire conditions. Non burned residues and contaminated water after fire fighting should be disposed of in compliance with official regulations.
- 10.3 Molten material should not be allowed to be in contact with the skin to which it can adhere causing burns.
- 10.4 Avoid heating above 180°C because of degradation of the tufting finish.

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11 Toxicological information

11.1 No known toxic reaction under normal conditions.

11.2 Note: Under decomposition conditions; toxic fumes and contaminated water, see pt.10.

12 Ecological information

12.1 For transportation, storage, normal use, no known toxicological effects.

13 Disposal considerations

13.1 As non hazardous solid waste, depending on local legislation, nonwoven can be disposed of through:

- Landfill
- Recycling
- Incineration

14 Transport information

No specific request

15 Regulatory information

None

16 Other information

This document provides a Material Safety Data Sheet (MSDS) for nonwovens on a voluntary basis according to EDANA recommendations (Guidelines/Instructions relating to MSDS for nonwovens 10/GV8/422). The MSDS is a means of transferring essential hazard information (including information on transport, handling, storage and emergency actions) from the supplier of a nonwoven product to the recipient of the product. As nonwovens are generally not hazardous, MSDS for nonwovens is not legally requested but must be considered as information. It is inspired from the EC recommendations for MSDS (Commission directive 93/112/EC of 10 December 1993).

The information contained in this Material Safety Data Sheet has been developed by the manufacturer on the express request of its customers and 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.