

MATERIAL SAFETY DATA SHEET

(MSDS)

MSDS for Polyester Nonwovens

0. Introduction

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 MSDS/RV7/002b). 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 is not legally requested but must be considered as information. It is based on the EEC recommendation for MSDS (Commission directive 91/155/EEC of 1991, March 5th).

The information contained in this Material Safety Data Sheet has been developed by the Company on the express request of its customer and to the best of its knowledge. Therefore, the Company does 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. This Material Safety Data Sheet (MSDS) complies with the European Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP), as well as the United States OSHA Hazard Communication Standard (29 CFR 1910.1200).

1. Identification of the product and the company

- 1.1 Identification of the product
Polyester spunbond nonwoven.

2. Composition

Identification of the type of nonwoven product
Nonwoven.....: Thermal bonded.
Fibres nature.....: Polyester (PET)
(polyethyleneterephthalate)
CAS number.....: 25038-59-9
(CAS number of the polyester raw material used to produce nonwoven product)
Web surface treatment - Concentration above 1%...: No.
Binder.....: No.
Additives.....: Yes, may contain color pigments if
the product is in color. White color may
contain TiO₂.
Other major components.....: No.
Chemicals (in relevant concentration) that are in list of dangerous substances: No.

3. Hazards identification

Under normal conditions of use and handling, this product is not expected to create any health or safety hazards.

Accidental thermal decomposition or melting state can present hazards.

4. First-aid measures

Under normal condition

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

5. Fire-fighting measures

5.1. Suitable extinguishing media.....: Use water spray, dry chemical or CO₂ extinguisher. No special procedures are expected to be necessary for this product. Normal fire fighting procedures should be followed to avoid inhalation of smoke and gases.

5.2. Extinguishing media not to be used.....: None (do not use water if electrical equipment are present).

5.3 Special exposure hazard.....: For flammable and toxic fumes as well as skin contact with molten materials see § 10.

5.4. Special protective clothing for fire-fighter.....: None. It is recommended that fire-fighters should wear full protective clothing including self-contained breathing apparatus.

6. Accidental release measures

Not applicable.

7. Handling and storage

Normal requirements. Keep in a dry and closed area with the original packing. The packages have to be handled so that they can not break and to be arranged as to prevent them from falling.

8. Exposure controls / personal protection

No specific measures.

9. Physical and chemical properties

Aspect.....	: Solid, in rolls or sheets
Appearance (the colour of the product as supplied):	Normally white if not a specific color is mentioned.
Odour.....	: Practically odorless
Ph.....	: Not applicable
Boiling point/boiling range.....	: Not applicable
Melting point/melting range.....	: Approx. 265°C (509°F)
Flash point.....	: Not applicable
Flammability.....	: Not easily flammable (see § 10)
Explosive properties.....	: Not applicable
Oxidizing properties.....	: Not applicable
Vapour pressure.....	: Not applicable
Specific weight.....	: Variable. 1.30÷1.45 g/cm ³
Static electricity.....	: The product can develop and/or accumulate static electricity, (i.e. by rubbing or friction)
Solubility.....	: Water insoluble - fat insoluble
Partition coefficient.....	: Not applicable

10. Stability and reactivity

Conditions to avoid.....: Polyester can burn if exposed to flame. Molten polymer generates small amounts of volatile degradation products (off-gases), one of which is acetaldehyde. Acetaldehyde vapors form explosive mixtures with air that can spontaneously ignite (auto ignite) at temperatures above 175°C (347°F). Combustion products will be comprised of compounds of carbon, hydrogen, and oxygen. The exact composition will depend on the conditions of combustion.

Above 200°C may be released.....: Toxic and flammable gases, carbon monoxide. 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. Molten material should not be allowed to be in contact with the skin to which can adhere and cause burns.

11. Toxicological information

No toxic reaction known under normal conditions. Particularly, no case of coetaneous sensitisation or of mutagenic / carcinogenic activity is known.

Under decomposition conditions, toxic fumes and contaminated water see § 10.

12. Ecological information

For transportation, storage and normal use no toxicological effect known. No PBT (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative) substances are present in this product in concentrations meeting REACH criteria.

13. Disposal considerations

As non-hazardous solid waste, depending on local registration, nonwovens can be disposed of through recycling, incineration, landfill.

14. Transport information

Not classified as dangerous for transport.

15. Regulatory information

Not classified as dangerous in compliance with European regulation regarding classifying, packaging and labeling of hazardous substances and products. This product is classified and labeled in accordance with the EU Regulation (EC) No 1272/2008 (CLP) and meets the requirements of the US OSHA Hazard Communication Standard (29 CFR 1910.1200). It complies with Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH).

16. Other information

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The information herein is presented in good faith and believed to be accurate as of the effective date given. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure that its activities comply with Federal, State or provincial, and local laws.

Prepared by: Quality Control and Product Safety Department