



The miracles of science™

Tyvek®

Spunbonded Polyethylene

Date of issue : 28.10.04
Revision : 06

1 Chemical Product and Company Identification

Material Identification

Commercial Generic Product name: TYVEK®

A precise identification is composed by four figures and one letter. For further information, please contact the manufacturer or the distributor.

Company Identification

Manufacturer/Distributor

Du Pont de Nemours (Luxembourg) s.à.r.l.
 L - 2984 Luxembourg
 Grand Duchy of Luxembourg

Phone Number: +(352) 3666 5723
 Fax Number: +(352) 3666 5021

2 Composition/Information on Ingredients

Nonwoven spunbonded sheet.

Nature of the fibres	: Polyethylene (CAS nbr. 9002-88-4)
Web surface treatment	: Some products contain an antistatic treatment on surface < 1%
Binder	: none
Other major components	: Some products contain an UV – stabilisation < 1%
Chemicals (in relevant concentrations) that are in the list of dangerous substances	: none

3 Hazards Identification

No hazardous product under normal conditions.

N.B. Accidental thermal decomposition or melting state can present hazards.

4 First Aid Measures

Under normal conditions,

- Inhalation** → No specific measure to be taken
- Eyes** → No specific measure to be taken
- Skin** → No specific measure to be taken
- Ingestion** → No specific measure to be taken

5 Fire Fighting Measures

Suitable extinguishing media:

Water spray (except when fire is of electrical origin), Foam, Dry powder of CO₂, Powder.

Extinguishing media not to be used: none

Special exposure hazard: none

For flammable and toxic fumes as well as skin contact with molten materials see §10

Special protective clothing for fire-fighter:

A self-contained breathing apparatus and suitable protective equipment should be worn to fight fire.

6 Accidental Release Measures

Not applicable.

7 Handling and Storage

Normal requirements.

The TYVEK[®] products whose identification ends by –B or –C haven't received an antistatic treatment. Therefore, in case of handling with important friction, special precautions have to be taken to prevent people from any possible electrical shock.

8 Exposure Controls / Personal Protection

No specific measures.

Because the surface of the TYVEK[®] sheet presents a low coefficient of friction, special precautions have to be taken to prevent from slipping and/or falling of persons or goods.

9 Physical and Chemical Properties

Appearance	:	Nonwoven sheet
Colour	:	white *)
Odour	:	none
pH	:	not applicable
Boiling Point (Deg C)	:	not applicable
Melting Point (Deg C)	:	ca. 135°C
Decomposition temperature	:	above 200°C in the presence of oxygen
Flash Point (Deg C), open cup	:	not applicable for nonwovens
Flammability	:	not easily flammable
Auto ignition Temp (Deg C)	:	330 – 350°C
Vapour pressure	:	not applicable
Density (g/cm³, 20 Deg C)	:	ca. 0.955
Solubility (water)	:	when used: the antistatic treatment on surface is soluble in water

*) Some TYVEK® products could be died or structured. For further information, please contact the manufacturer or the distributor.

10 Stability and reactivity

Conditions to avoid

Under thermal decomposition flammable and toxic fumes can be generated.

Above 200°C may be released: toxic and flammable gases, carbon monoxide. The generation of cleavage and oxidation products is subject of 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 enter in contact with the skin to which it can adhere and cause burns.

11 Toxicological Information

No toxic reaction known under normal conditions, not classified as harmful.

Note: under decomposition conditions: toxic fumes and contaminated water (see §10)

12 Ecological Information

For transportation, storage, normal use, no ecological effects known.
No water pollution.

13 Disposal Considerations

The preferred way for disposal is through recycling or thermal valorisation (incineration); avoid landfilling.

14 Transportation Information

Not regulated, not a dangerous good as defined by the following regulations:

Sea transportation:	IMO / IMDG
Air transportation:	ICAO / IATA
Road, Rail transportation:	ADR / RID

15 Regulatory Information

Not regulated.

16 Other Information

The data in this MSDS was prepared for the TYVEK[®] nonwoven sheet.

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, an MSDS for nonwovens is not legally requested but must be considered as information. It is inspired from the EC recommendation for MSDS (Commission Directive 93/112/EC of 10 Dec.93, amending directive 91/155/EEC).

DuPont has developed the information contained in this Material Safety Data Sheet on the express request of its customers and to the best of its knowledge. Therefore, DuPont does not assume any liability with respect to the correctness and/or completeness of the information provided by this MSDS. 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.

For additional information on installation and use, please contact your distributor or the manufacturer.