FREUDENBERG
PERFORMANCE MATERIALS

FREUDENBERG
INNOVATING TOGETHER

Product Safety Information
TERBOND

18/01/2017 **Rev. 2**

0. Introduction

On June 1st 2007, the new rules for the management of chemicals, called REACH (Registration, Evaluation, and Authorization of Chemicals), became effective.

These rules repealed the directives 91/115EC, 93/112EC and 2001/58EC concerning the drafting of the "Material Safety Data Sheet" and they are the only reference tool for the management of chemicals within the European Community.

According to REACH regulation our product is classified as ARTICLE and consequently it does not require the "Material Safety Data Sheet" expected for hazardous substances.

This document is not legally required but it has to be considered as an additional and qualifying information about our product.

1. Identification of the product and the company

1.1 Identification of the product

TERBOND

1.2 Company identification

-Company/Plant where information on the product safety is available

Name: *Politex S.a.s. di Freudenberg Politex S.r.l.*

Address: *S.P. Novedratese, 17/a - 22060 Novedrate (Italy)*

Phone & fax numbers: *+39 031 793.111* *+39 031 793.202*

2. Composition

Identification of the type of nonwoven product

Nonwoven:	☐ *wadding*	☒ *felt*	
	☒ *chemical bonded*	☐ *thermal bonded*	☒ *mechanical bonded*
	☒ *spun web*	☐ *carded web*	
Fibres nature:	☒ *PET*	☐ *CoPET*	
	☒ *recycled*	☐ *virgin*	

Web surface treatment - Concentration above 1%:	☒ *no* ☐ *yes (.....)*
Binder:	☐ *no* ☒ *yes (15÷25% vinyl-acrilic, styrene-acrilic, melamine and/or ureic resins)*
Additives:	☐ *no* ☒ *yes (colour pigments)*
Other major components:	☒ *no* ☐ *yes (.....)*
Chemicals (in relevant concentration) that are in the list of dangerous substances:	☒ *no* ☐ *yes (.....)*

Notes: *The resins, in aqueous solution, are dried at 220÷240°C and are chemically stable after solidification.*

3. Hazards identification

Nonwoven: *no hazardous product under normal conditions.*

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 CO_2 extinguisher*
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*

6. Accidental release measures

Not applicable.

7. Handling and storage

Normal requirements. 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):	☒ *white* ☒ *green* ☐ .....
Odour:	*practically odourless*
pH:	*not applicable*
Boiling point/boiling range:	*not applicable*
Melting point/melting range:	☐ *approx. 195°C (CoPET)*
	☒ *approx. 260°C (PET)*
	☐ *approx 1.200°C (glass fibre)*
Decomposition temperature:	*> 380°C (PET fibre, tech. liter.)*
Flash point:	*not applicable*
Flammability:	*not easily flammable (see § 10)*
Autoflammability:	*508°C (autoign. temp. PET)*
Explosive properties:	*not applicable*
Oxidizing properties:	*not applicable*
Vapour pressure:	*not applicable*
Specific weight:	☒ 1.3÷1.4 g/cm^3 (PET)
	☒ 2.6 g/ cm^3 (glass fibre)

Static electricity:	*the product can develop and/or accumulate static electricity, i.e. by rubbing or friction*
Solubility:	*water insoluble - fat insoluble soluble in o-chlorophenol, dichloroacetic acid, phenol/ tetrachloroethane, esafluoro-isopropanol (PET fibre)*
Partition coefficient (n-octanol/water):	*not applicable*

10. Stability and reactivity

Conditions to avoid:

Under thermal decomposition flammable and toxic fumes can be generated.

Above 300°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 cutaneous sensitization or of mutagenic / carcinogenic activity is known.

Note: under decomposition conditions, toxic fumes and contaminated water see § 10.

12. Ecological information

For transportation, storage and normal use no toxicological effect known.

Possible water pollution, if components washed out.

13. Disposal considerations

As non-hazardous solid waste, depending on local legislation, 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 Italian and European regulation regarding classifying, packaging and labelling of hazardous substances and products.