

MATERIAL SAFETY DATA SHEET

●PRODUCT : POLYESTER NONWOVENS

2002. 6. 7

KOLON INDUSTRIES, INC.

0. Introduction

The MSDS is a means of transferring essential hazard information (Including information on transport, handling, storage and emergency actions) from the supplier of a nonwovens product to the recipient of the product. As nonwovens are generally not hazardous, MSDS is not regally requested but must be considered as information.

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. Therefor, 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.

1. Identification of the product and the company

1.1 Identification of the product

100% polyester nonwovens
-C series, K series

1.2 Company identification

Name : Kolon Industries, Inc.

Address : Kolon Tower 1-23, Byulyang-dong, Kwacheon-City, Kyunggi-Do, Korea
(Kwacheon P.O. Box 2)

Phone & fax numbers : (82-2) 3677-3860, (82-2) 3677-3819

2. Composition

Identification of the type of nonwoven product

Nonwoven Spunweb, thermal bonding

Nature of the fiber(s) PET and CoPET

Additives: None

Chemicals (in relevant concentration) that are in the list of dangerous substances :

No

3. Hazards identification

Nonwovens : No hazardous product under normal conditions

Accidental thermal decomposition or melting state can present hazards

4. First-aid measures

4.1 Inhalation : no specific measure to be taken

4.2 Skin contact : If burned by contact with molten material cool as quickly as possible'

Burns should be treated as thermal burns, Product is a polymer of low toxicity, therefore, there is no urgent need to remove it from skin because of concern about toxicity.

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 : regular dry chemical, carbon dioxide, water, regular foam

Large fires : use regular foam or flood with fine water spray

5.2 Fire fighting : move container from fire area if it can be done without risk.

Use extinguishing agents appropriate for surrounding fire.

Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

5.3 Extinguishing-media not to be used : None

5.4 Special exposure hazard : for flammable and toxic fumes as well as skin contact with

melten materials see also pt 10

5.5 Special protective clothing for fire-fighter : None

6. Accidental release measures

Not applicable

7. Handling and storage

Normal requirements

- Storage and handle in accordance with all current regulations and standards keep separated from incompatible substances

8. Exposure controls / personal protection

No specific measures

9. Physical and chemical properties

Physical state : solid

Appearance (the colour of the product as supplied) : white

PH : not applicable

Odor : not applicable

Boiling point/boiling range : not applicable

Melting point/melting range : approx. 225 - 239 °C (CoPET), approx. 253-267 °C (PET)

Decomposition temperature : greater 300 °C

Flash point : not applicable

Flammability : not easily flammable

Explosive properties : not applicable

Oxidizing properties : not applicable

Vapor pressure : not applicable

Vapor density : not applicable

Relative density : not applicable

Solubility : - water solubility : Insoluble

- soluble : chloral hydrate, phenol, phenol/tetrachloroethane(1:1), nitrobenzenes, hot dimethyl sulfoxide, hot m-cresol, o-chlorophenol, trifluoroacetic acid

Coefficient of water/oil distribution : not available
Partition coefficient : - n-octanol/water : not applicable

10. Stability and reactivity

Stable at normal temperatures and pressure.

Condition 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 it can
adhere and can cause burns.

11. Toxicological information

No toxic reaction known under normal conditions

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

12. Ecological information

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

13. Disposal considerations

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

14. Transport information

No specific request

15. Regulatory information

None

16. Other information

None