

MATERIAL SAFETY DATA SHEET
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In accordance with Article (UE) N° 453/2010 du 20 may 2010
Date 21/03/2011

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier :

FLOORLINER™ – FLOORLINER™ BASIC

1.2 Relevant indentified uses of the substance :

Protection and covering nonwoven.

Uses advised against :

None.

1.3 Details of the supplier :

Producer: LANDOLT AG
Bahnhofstrasse 35
CH-8752 Näfels

1.4 Emergency telephone number :

Phone Nr.: +41 55 61 85 100 Fax: +41 55 61 85 103 E-Mail: info@landolt.com

2. Hazards identification

2.1 Classification of the substance or mixture:

2.2 Label elements :

2.3 Other hazards :

Do not contain dangerous substances.

The product in not concerned by the European REACH regulation.

3. Composition/Information on ingredients

3.1 Substances :

Needle punched nonwoven made of polyester fibers with an adhesive coating OPTICOAT™ and covered with a polyethylene film: 180 g/m² or 130 g/m² (Basic)

Components:

<i>Nonwoven</i>	<i>made of polyester fibers</i>	<i>Nr-CAS 25038-59-9</i>
<i>Film</i>	<i>polyethylene</i>	<i>Nr-CAS 9002-88-4</i>
<i>Opticoat</i>	<i>acrylate resin</i>	<i>Nr CAS 80-62-6 / 108-05-4 / 64-19-7 / 75-07-0 / 107-13-1 / 67-56-1</i>

Additive in the fibers: Titanium dioxide < 0.5 %

Opticoat™ is an impregnation done with a water based mixture of ethyl-acrylate, n-butylacrylate and a co-polymer styrene-butadiene that is cross link. These polymers are not considered dangerous according to the European legislation 88/379/EG.

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4. First aid measures

4.1 Description of first aid measures:

4.2 Most important symptoms and effects, both acute and delayed :

4.3 Indication of any immediate medical attention and special treatment needed:

Not applicable.

5. Firefighting measures

5.1 Extinguishing media :

All usual extinguishing media can be used.

5.2 Special hazards arising from the substance or mixture :

Hazardous burning / decomposition products: Oxides of Carbon (CO, CO₂), cyanhydric acid HCN and other toxic low-molecular-weight organic compounds (e.g. aldehydes, organic acids, polymer fragments) depending on temperature and air supply.

5.3 Advice for firefighters :

Products introduced in form of rolls that can continue calcining.

Use self-contained breathing apparatus.

Collect and dispose of residues and contaminated fire water separately and according to local / national legislation. Do not allow them to enter drains and waterways or the soil.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures :

6.2 Environmental precautions :

6.3 Methods and material for containment and cleaning up :

6.4 Reference to other sections :

Due to the presentation of the product in form of rolls: Not applicable.

7. Handling and storage

7.1 Precautions for safe handling :

The presentation of the product is in form of rolls: no danger during handling.

7.2 Conditions for safe storage, including any incompatibilities :

The nonwoven is combustible material: apply general rules for protection against fires.

7.3 Specific end use(s) :

None.

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8. Exposure controls/personal protection

- 8.1 Control parameters :
8.2 Exposure controls :

Not applicable.

9. Physical and chemical properties

- 9.1 Information on basic physical and chemical properties :

Appearance:	Nonwoven packaging in rolls
Flash point:	Not applicable
Ignition point:	~ 400 °C
Decomposition temperature:	at 250 °C
Melting point:	~ 165 °C
Specific gravity:	polyester fibers ~ 1,4 g/cm ³ PE Film ~ 0,95 g/cm ³
Solubility in water:	insoluble

- 9.2 Other information :

None.

10. Stability and reactivity

- 10.1 Reactivity :

None.

- 10.2 Chemical stability :

The product is stable until 400°C – starts to melt at 165°C.

- 10.3 Possibility of hazardous reactions :

None.

- 10.4 Conditions to avoid :

Combustible product.

- 10.5 Incompatible materials :

None.

- 10.6 Hazardous decomposition products :

Hazardous burning / decomposition products: Oxides of Carbon (CO, CO₂), cyanhydric acid HCN and other toxic low-molecular-weight organic compounds (e.g. aldehydes, organic acids, polymer fragments) depending on temperature and air supply.

11. Toxicological information

- 11.1 Information on toxicological effects:

To date, proper use of this product has not been associated with a special hazard or any detrimental effects on health.

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12. Ecological information

12.1 Toxicity :

None.

12.2 Persistence and degradability :

Not available.

12.3 Bioaccumulative potential :

Due to the consistency of the product: not applicable.

12.4 Mobility in soil :

Due to the consistency of the product: not applicable.

12.5 Results of PBT and vPvB assessment :

Not available.

12.6 Other adverse effects :

Not available.

The product is exempt from toxic heavy metals (lead – chromium VI, cadmium, quicksilver), of polyvinyl chloride PVC, chlorofluorocarbon CFC and plasticizer, of ethers, isocyanates and solvents, formaldehyde.

13. Disposal considerations

13.1 Waste treatment methods :

The product can be disposed of in a suitable refuse installation or incinerated subject to local regulations. Packaging is not contaminated.

14. Transport information

14.1 UN number

14.2 UN proper shipping name

14.3 Transport hazard classe(s)

14.4 Packing group

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Transport in bulk

Not restricted.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture :

15.2 Chemical safety assessment

Not restricted.

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None

The information contained in this safety data sheet reflects in good faith the state of our knowledge at the time of the revision. The information is intended to enable you to make safe use of the designated product. These data supplement, but do not replace, the technical data for the product. The safety data sheet does not release the user from acknowledging and complying with the rules applicable to his activities. No liability will be accepted.