

Material Safety Data Sheet

according to Directive EC 1907/2006

Revision: 10-12-13

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Product: Lantor ® Soric XF, SF, TF, LRC, XXF

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 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, MSDS for nonwovens is not legally requested but must be considered as information. It is inspired from the EC recommendation for MSDS EC 1907/2006.

1. Identification of the product and the company

1.1. Identification of the product(s)

Product name: Lantor Soric XXF
Product Code: XXF015, XXF020

Product name: Lantor Soric XF
Product Code: XF1002, XF1003, XF1004, XF1005, XF1006

Product name: Lantor Soric SF
Product Code: SF1002, SF1003

Product name: Lantor Soric TF
Product Code: TF1015, TF1002, TF1003

Product name: Lantor Soric LRC
Product Code: LRC115, LRC102, LRC103

1.2. Intended use of the product

Liner / core material in FRP-applications.

1.3. Company identification

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

Name : Lantor BV/Lantor®
Address : P.O. Box 45, NL-3900 AA Veenendaal, The Netherlands
Phone number : +31(0) 318 537111
Fax number : +31(0) 318 537399

Department/person responsible for the product safety:

Name : Lantor B.V. Composites
Address : P.O. Box 45, NL-3900 AA Veenendaal, The Netherlands
Phone number : +31(0) 318 537111
Fax number : +31(0) 318 537420

2. Hazards identification

No hazardous product under normal conditions.

Accidental thermal decomposition or melting state can present hazards.

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3. Composition / Information on ingredients

Identification of the type of nonwoven product:

- 3.1. *Nonwoven*
Carded web, chemically bonded.
- 3.2. *Nature of the fibre(s)*
Polyester (PES)
- 3.3. *Web surface treatment - Concentration above 1%*
Cured acrylic binder.
- 3.4. *Binder*
Acrylic binder.
- 3.5. *Additives*

Copolymer	CAS nr 38742-70-0
Iso-pentane	CAS nr 78-78-4
- 3.6. *Other major components - Concentration above 1% - None*
None.
- 3.7. *Chemicals (in relevant concentration) that are in the list of dangerous substances.*
None.

4. First aid measures

- 4.1. *Inhalation*
By inhalation of microspheres, move person to fresh air.
- 4.2. *Skin contact*
No specific measure to be taken.
- 4.3. *Eyes contact*
Eyes should be flushed out with water.
- 4.4. *Ingestion*
Unlikely. In case of ingestion, get medical help.

5. Fire fighting measures

- 5.1. *Suitable extinguishing media*
Water, water/foam, CO₂.
- 5.2. *Extinguishing-media not to be used*
Water in case short-circuiting is the cause of the fire.
- 5.3. *Special exposure hazard*
For flammable and toxic fumes as well as skin contact with molten materials see section 10.
- 5.4. *Special protective clothing for fire-fighter*
No special requirement.

6. Accidental release measures

Not applicable.

7. Handling and storage

Keep Lantor Soric ® in the original package. Store in a cool and well ventilated area. The temperature should be above 0 °C but must not exceed +30 °C.

8. Exposure controls / personal protection

General room ventilation is recommended.

9. Physical and chemical properties

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

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Odour	:	Neutral
pH	:	not applicable
Boiling point/boiling range	:	not applicable
Melting point/melting range	:	250 – 265 °C (PES fibres)
Decomposition temperature	:	450 °C
Flash point	:	not applicable
Flammability	:	not easily flammable (see section 10)
Autoflammability (temperature)	:	> 450 °C
Explosive properties	:	not applicable
Oxidizing properties	:	not applicable
Vapour pressure	:	not applicable
Relative density	:	not applicable
Solubility: - water solubility	:	insoluble in water
- fat solubility	:	not applicable
Partition coefficient: n.octanol/water	:	not applicable

10. **Stability and reactivity**

The material is chemically stable.

Under thermal decomposition flammable and toxic fumes can be generated. 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 cause burns.

11. **Toxicological information**

Acute toxicity: None

Local effect: None

Chronic short and long term toxicity: None

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

12. **Ecological information**

There is no indication that this material is a risk to the environment. This material is water insoluble.

13. **Disposal considerations**

As on hazardous solid waste, nonwovens can be disposed of, depending on local legislation, through recycling, incineration or landfill.

14. **Transport information**

Not classified as hazardous for transport.

Keep the material dry during transport.

15. **Regulatory information**

None.

16. **Other information**

None.