

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

<p><i>Identification of the product</i> Product Name / Product Type Use Type of use</p> <p><i>Manufacturer/supplier identification</i> Company Address</p> <p>Telephone No. Telefax No. E-mail address Emergency telephone No.</p>	<p>Enka®-Channel 50 and 100 Polymer processing industry Flow medium for resin infusion</p> <p>Bonar b.v. Westervoortsedijk 73, P.O. Box 9600 6800 TC, The Netherlands +31.85.7441 300 +31.85.7441 310 info@bonar.com +49.6022.812887</p>
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2. Hazards identification

<p>Classification</p> <p>Overview in an emergency</p> <p>Environmental risks</p> <p>Acute result for health - Eyes, Skin, Inhalation, Ingestion</p> <p>Chronically result for health - Eyes, Skin</p>	<p>Not classified as a hazard product related to directive EC 67/548 or EC 1999/45. No hazardous product under normal conditions.</p> <p>Accidental thermal decomposition or melting state can present hazards.</p> <p>No</p> <p>No</p> <p>No</p>
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3. Composition/Information on ingredients

Chemical characterisation and Hazardous ingredients:

Two-dimensional open structured matting made from PP monofilaments, covered by a nonwoven, spunlaid bonded fleece made from PET and PA fibers. Contains no Hazardous Ingredients (EC) 1907/2006.

Chemical Safety Report is not required.

Ingredients	Percentage %	CAS-no.	EINECS-no.	EC-no.	EC-Index-no.	Classification
PP	60	n.a.	n.a.	n.a.	n.a.	n.a.
PET	28	n.a.	n.a.	n.a.	n.a.	n.a.
PA	12	n.a.	n.a.	n.a.	n.a.	n.a.

4. First aid measures

Eye Contact
Skin Contact
Ingestion
Inhalation
Supplementary medical treatment

No specific measures to be taken.
No specific measures to be taken.
No specific measures to be taken.
No specific measures to be taken.
No

5. Fire-fighting measures

Flammable Properties
Special exposure hazard
Extinguishing Media
Unsuitable Extinguishing Media
Special Fire Fighting Protective equipment
Other information

Not classified as flammable.
For flammable and toxic fumes as well as skin with molten materials, see part 10.
Water fog, foam, carbon dioxide, dry chemical.
None known.
A self contained breathing apparatus and suitable protective clothing must be worn in fire conditions.
Combustible.

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6. Accidental release measures	
Personal precautions Environmental precautions Methods for Cleaning up	None. None. No specific cleaning methods.
7. Handling and storage	
Handling Storage	No specific requirements. No specific requirements.
8. Exposure controls/personal protection	
Personal protective equipment: Hand protection: Inhalation protection: Eye protection: Hygiene measures:	No specific measures. No specific measures. No specific measures. No specific measures. No specific measures.
9. Physical and chemical properties	
Form Colour Odour pH -value Melting point Boiling point/boiling range Autoignition temperature Flash point Flammability (solid, gas) Autoflammability Explosion limits - Lower - Upper Oxidizing properties Vapour pressure Relative density Solubility in water Viscosity Partition coefficient: n.octanol/water	Solid. Grey, black. Odourless. Not applicable. Approx. 155-170 °C (PP), approx. 254 °C (PET), approx. 214 °C (PA) Not applicable. Not applicable. Not easily (see point 10). Approx. 350 °C. Not applicable. Not applicable. Not applicable. Not applicable. Insoluble. Solid. Not applicable.

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10. Stability and reactivity

- Stable under normal conditions.
- Under thermal decomposition flammable and toxic fumes can be generated.
- Above 300 °C toxic and flammable gases, carbon monoxide may be released. 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 in contact with the skin to which it can adhere causing burning wounds.

11. Toxicological information

Acute oral toxic LD₅₀ (oral rate)
Skin contact, Eye contact,
Ingestion
Long Term Exposure

Not determined.

No toxicological reactions/effects known under normal conditions.

No toxicological reactions/effects known under normal conditions.

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

12. Ecological information

Environmental damage of this product is not known.

13. Disposal considerations

Methods of Disposal

As non hazardous solid waste, depending on local legislation, nonwoven can be disposed towards:

- Landfill
- Recycling
- Incineration

Uncleaned packaging

Not applicable.

14. Transport information

- Not specific request. Not classified in ADR - RID – ADN – ADNR – IMDG – ICAO/IATA

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15. Regulatory information

Chemical Safety Report	Not required.
Labelling according to EC directives	Not required.
Risk information (Hazard)	Not applicable.
Safety information (Precaution)	Not applicable.

16. Other information

This document provides a Material Safety Data Sheet (MSDS) for Nonwovens and is established in according to Regulation (EG) No.1907/2006.

The purpose of the MSDS is to 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.

Nonwovens are generally not hazardous. The MSDS is established to be in compliance with Regulation (EG) No. 1907/2006. Also the information contained in this Material Safety Data Sheet has been developed by the company on the express request of its customers and to the best of its knowledge. Therefore, 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 information on the local obligations.

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization (ICAO)

GHS: Global Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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