

## TECHNICAL DATA SHEET

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Die in diesem Produktdatenblatt genannten Spezifikationen dienen nur zur Produktbeschreibung und beziehen sich auf den Zeitpunkt unmittelbar nach der Produktion bzw. Import des Produktes. Sie entsprechen den Angaben des Herstellers. Eine rechtsverbindliche Zusicherung bestimmter Eigenschaften oder der Eignung für einen bestimmten Einsatzzweck kann hieraus nicht abgeleitet werden. Durch unsachgemäßen Transport und / oder unsachgemäße Lagerung können sich Änderungen ergeben. Die Angaben in diesem Produktdatenblatt entbinden den Verarbeiter nicht von eigener Prüfung der Eigenschaften des Produktes und dessen Eignung für die vorgesehene Verwendung.

## Technical Safety Information Sheet on a voluntary basis (TSIS) according to EC 1907/2006

Date of issue: 16/12/2016		Date of revision: 16/12/2016	
1. Product- and company identification:		Fabric made of micro-filaments:	
Distributor:		Trade name : Resko Schutzvlies Art-Nr. 2219100	
		<b>Deffner &amp; Johann GmbH</b>	
		Mühlackerstr. 13	
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	:		
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	:		
	:		
2. Possible hazards		No hazardous product under normal conditions.	
Special hazard reference		Accidental thermal decomposition or melting state may cause hazards	
3. Composition / information on ingredients			
<p>This document provides Material Safety Information (TSIS) for nonwovens on a voluntary basis. The TSIS is a means of forwarding essential hazard information (including information on transport, handling, storage and emergency actions) from the supplier of a nonwoven product to the recipient of this product. As nonwovens are generally not hazardous, TSIS is not legally requested but must be considered as information. It is based on the EC recommendation for MSDS (EC 1907/2006).</p> <p><i>The information contained in this Material Safety Information Sheet has been compiled to the best of our knowledge upon the explicit request of the customer. Therefore, the manufacturer does not assume any liability with respect to the correctness and/or completeness of the information provided by this Material Safety Information Sheet. The customer in particular shall not be released from his duty to check all safety-relevant properties of the delivered nonwovens, and to comply with the local official regulations.</i></p>			
<b>Chemical nature (product)</b>			
Description	:	Nonwovens made of Polyethylene Terephthalate (PET) and Polyamide being hydro entangled	
May contain	:	Polyethylene Terephthalate (PET) and Polyamide	
Further information	:	Hydrophilic and antistatic substances	
4. First-aid measures			
General advice	:	Under normal condition ...	
Inhalation	:	no specific measures to be taken	
Skin contact	:	no specific measures to be taken	
Eye contact	:	no specific measures to be taken	
Ingestion	:	no specific measures to be taken	
Information for the doctor	:	/	
5. Fire fighting measures			
Suitable extinguishing means	:	Pulverized water / Foam / Carbon dioxide / Dry powder	
Unsuitable extinguishing means	:	NA	
Exposure hazards	:	Burning may release toxic combustion gases: Carbon oxide, Carbon dioxide, gas generated from the decomposition of Polyamide and Polyethylene Terephthalate (PET).	
Protective equipment for fire fighters	:	Use full protective clothing against chemicals and self-contained breathing apparatus.	
Further information	:	For flammable and toxic fumes as well as skin contact with molten materials see § 10	

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6. Accidental release measures	Not applicable
Personal precautions	:
Environmental precautions	:
Methods for cleaning	:
Further information	:
7. Handling and storage	Normal requirements
Handling	:
Protection against fire and explosion	:
Storage	: Vertical storage in an appropriate manner in order to avoid the rolls of Nonwovens could start rolling (risk of crushing the fabric) Humidity protection Protection against direct sunrays
8. Expose controls and personal protection	No specific measures
Technical protective measure	:
Exposure control limits	:
<b>Personal protective equipment</b>	
Respiratory protection	:
Hand protection	:
Eye protection	:
Skin protection	:
<b>General safety and hygiene measures</b>	
Measures	:
9. Physical and chemical properties	
Appearance	: Substrate formed by Polyamide and Polyethylene Terephthalate (PET) filaments of solid nonwoven
Colour	: white or according to customers specifications
Odour	: Not applicable
<b>Changes in physical state</b>	
Boiling point/Boiling range	(°C) : Not applicable
Melting point	(°C) : 220°C
Freezing temperature	(°C) :
Flash point	(°C) : Not applicable
Ignition temperature	(°C) : > 400°C
Auto ignition	:
Explosion hazard	: Not applicable
Explosion limits	(Vol.-%) : Not applicable
Vapour pressure	(mbar) : Not applicable
Density	(g/cm <sup>3</sup> ) : 180 to 250Kg /m <sup>3</sup>
Bulk density	(kg/m <sup>3</sup> ) : Not applicable
Solubility in water	: Not applicable
Solubility in other solvents	: partially in an acid medium
pH-value	: Not applicable
Viscosity	:
Additional information	:
10. Stability and reactivity	
Conditions to avoid	: Under thermal decomposition flammable and toxic fumes may be generated.
Substances to avoid	:
Hazardous decomposition products	: Above 300°C toxic and flammable gases like carbon monoxide can be released. The generation of decomposition and oxidation products is subject to fire conditions. Non burned residues and water contaminated after fire fighting should be disposed of in compliance with official regulations.
Additional information	: Molten material should not be contact with skin as it may adhere and cause burns.

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<b>11. Toxicological information</b>	
Acute toxicity	: /
Specific symptoms in animal experiments:	/
Irritation effects	: /
Sensitization	: /
Subacute to chronic toxicity	: /
Carcinogenicity, mutagenicity, teratogenicity	: /
Information from practical experience	: /
Additional information	: No toxic reaction known under normal conditions.
Note	: Under decomposition conditions; toxic fumes and contaminated water, see § 10.
<b>12. Ecological information</b>	
Biodegradability	:
Ecotoxicity	:
Further ecological information	: For transportation, storage, normal use, no toxicological effect is known. Possible water pollution, if components are washed out.
<b>13. Disposal considerations</b>	
Product	: Nonwovens can be disposed of as non-hazardous solid waste, under compliance with the local regulations. The possibility of recycling has to be checked
Disposal code number	:
AVV-Code	: 040222
<b>14. Transport information</b>	
Not classified as dangerous in the terms of transport regulations.	
<b>15. Regulatory information</b>	
Labelling according to EC-regulation	: The product / is not required to be labelled according to EC regulations.
National directives	:
<b>16. Other information</b>	
The information contained herein is based on the present state of knowledge and does not therefore guarantee certain properties. The technical safety information sheet only describes the products in aspect to their safety requirements. Recipients of our products must take on responsibility for observing existing laws and regulations.	