

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

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Date of issue: 03.10.2013	Date of revision: 29.11.2016	Version: 2
1. Product- and company identification		
Product name	: T 1722 HC, T 1723 HC, T 1724 HC, T 1725 HC	
Company	: Freudenberg Performance Materials SE & Co. KG D-69465 Weinheim	
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2. Possible hazards		
Special hazard reference	No hazardous product under normal conditions. 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>		
Chemical nature (product)		
Description	: Chemically bonded nonwoven, containing polyester fibres, an acrylic binder and expanded microspheres.	
May contain	: Process auxiliaries (i.e. spin finishes, defoamer, etc.).	
Further information	: On the basis of the regulations of hazardous substances, the product is not subject to identification.	
4. First-aid measures		
General advice	: No special measures required.	
Inhalation	: Not applicable.	
Skin contact	: No special measures required.	
Eye contact	: No special measures required.	
Ingestion	: No special measures required.	
Information for the doctor	:	
5. Fire fighting measures		
Suitable extinguishing media	: All common extinguishing media (e.g. water, CO ₂ , sand).	
Unsuitable extinguishing media	: None.	
Exposure hazards	: Under certain fire conditions, traces of other toxic gases cannot be excluded.	
Protective equipment for fire fighters	: Protective respirator.	
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	
Personal precautions	: Not required.
Environmental precautions	: Not required.
Methods for cleaning	: Collect product by mechanical means.
Further information	: None.
7. Handling and storage	
Handling	: In case of dust use vacuum cleaner and ensure appropriate work-space ventilation.
Protection against fire and explosion	: No special measures required.
Storage	: Normal requirements, storage under cool, dry and light-protected conditions.
8. Expose controls and personal protection No specific measures	
Technical protective measure	: None.
Exposure control limits	: None.
Personal protective equipment	
Respiratory protection	: None.
Hand protection	: Wear gloves to protect against mechanical risks according to EN 388.
Eye protection	: None.
Skin protection	: None.
General safety and hygiene measures	
Measures	: Obey reasonable safety precautions and practise good housekeeping.
9. Physical and chemical properties	
Appearance	: Sheet or tape.
Colour	: White.
Odour	: Odourless.
Changes in physical state	
Boiling point/Boiling range	(°C) : Not applicable
Melting point	(°C) : 250 – 260°C (PET).
Freezing temperature	(°C) : Not applicable.
Flash point	(°C) : 350 – 400°C (PET).
Ignition temperature	(°C) : 420°C (PET)
Auto ignition	: Not applicable
Explosion hazard	: Not applicable
Explosion limits	(Vol.-%) : Not applicable
Vapour pressure	(mbar) : Not applicable
Density	(g/cm ³) : 22 g/m ²
Bulk density	(kg/m ³) : Not applicable
Solubility in water	: Insoluble
Solubility in other solvents	: Insoluble in most solvents
pH-value	: Not applicable
Viscosity	: Not applicable
Additional information	: None

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10. Stability and reactivity	
Conditions to avoid	: Under thermal decomposition flammable and toxic fumes can be generated.
Substances to avoid	: Strong alkalis, strong (oxidizing) acids.
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 by skin as it may adhere and cause burns.
11. Toxicological information	
Acute toxicity	: ... not applicable / not known.
Specific symptoms in animal experiments	: ... not applicable / not known.
Irritation effects	: ... not applicable / not known.
Sensitization	: ... not applicable / not known.
Subacute to chronic toxicity	: ... not applicable / not known.
Carcinogenicity, mutagenicity, teratogenicity	: ... not applicable / not known.
Information from practical experience	: None.
Additional information	: No toxic reaction known under normal conditions.
Note	: Under decomposition conditions; toxic fumes and contaminated water, see § 10.
12. Ecological information	
Biodegradability	: Not biologically degradable.
Ecotoxicity	: No ecotoxic effects if normal transport, storage and proper use.
Further ecological information	: For transportation, storage, normal use, no toxicological effect is known. Possible water pollution, if components are washed out.
13. Disposal considerations	
Product	: Nonwovens can be disposed of as non-hazardous solid waste, under compliance with the local regulations.
Disposal code number	:
AVV-Code	: 040222
14. Transport information	
Not classified as dangerous in the terms of transport regulations.	

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15. Regulatory information

Labelling according to EC-regulation : The product / is not required to be labelled according to EC regulations.

National directives : If properly used the product is not subject to any special national disposition.

16. Other information

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.