

0. Introduction

Material Safety Data Sheet according to regulation (EG) Nr. 1907/2006
(modified by regulation (EU) Nr. 453/2010)

1. Identification of the product and the company

1.1 Product Identification

Product name:	Water blocking nonwoven Type GTSB
Description:	semi-conductive water blocking nonwoven

1.2 Company Identification

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

Name:	GarnTec GmbH	
Address:	Staatsstrasse 5, D-67468 Neidenfels	
Phone & Fax numbers:	+49 (0) 6325 9556-0	+49 (0) 6325 9556-10

- Department responsible for the product safety:

Department:	Technical Department	
Phone & Fax numbers:	+49 (0) 6325 9556-25	+49 (0) 6325 9556-10
E-mail:	Betz@garntec.de	

2. Hazards Identification

2.1 No hazardous product under normal conditions.

2.2 Additional hazards for humans and environment: under normal handling you will not have hazards for humans and environment.

3. Composition

Identification of the type of product

3.1 Description:	<u>Swelling substance:</u> synthetic, modified polyacrylate <u>Carrier:</u> Polyester nonwoven, chemical or thermal bind, carbon black
3.2 Other major components:	None
3.3 Dangerous ingredients:	None

4. First-aid measures

no special measures

5. Fire-fighting measures

5.1 Suitable extinguishing media	Water, Foam, Powder, CO2
5.2 Special protective	No special measures

6. Measures of accidental release

6.1 Personal precautions	No measures
6.2 Environmental protection	No measures
6.3 Methods for cleaning / recording	No measures
6.4 Other components	No measures
6.5 Additional information	Keep away from ignition source, do not smoke, avoid from flames

7. Handling and storage

7.1 Information on safe Handling:	No special measures on correct handling
7.2 Information on fire/explosion – protection	No special measures
7.3 Requirements for storage rooms/ containers	The storage must be dry
7.4 Information on storage conditions	No special measures
7.5 Requirements for storage rooms	Sensitive to frost and wetness, the temperature may not be lower than 15°C and higher than 35°C and the relative humidity should be lower than 55 %
7.6 Storage class	-

8. Personal protection

Personal protection equipment:

8.1 Several safety and hygiene instructions	Not required
8.2 Respiratory protection	Not required
8.3 Hand protections	Not required
8.4 Gloves material	Not required
8.5 Penetrating time of the gloves material	Not required
8.6 Eye protection	Not required
8.4 Body protection	Not required

9. Physical and chemical properties:

9.1 Form	solid
9.2 Appearance /the colour of the product as supplied	black
9.3 Odour (short description if perceptible):	odourless
9.4 State change: Melting	250 – 260 °C
9.5 Flashpoint	Not required
9.6 Self flammability	Not self flammable
9.7 Explosion hazard	Not explosive
9.8 Density at 20°C	Not required
9.9 Solubility in/Mixture with water	Not required
9.10 pH at 20°C	Not required

10. Stability and Reactivity

10.1 Thermal decomposition	No decomposition if properly used
10.2 Dangerous reactions	Unknown
10.3 Dangerous decomposition products	Above 300 °C may be released: toxic and flammable gases.

11. Toxicological information

The product is not toxic

12. Ecological information

12.1 Statements to the Elimination:

Other notes:

Not biodegradable

chemical oxygen:

Not identified

13. Notes for waste disposal

13.1 Product:

Recommendation

The nonwoven could be depolluted with regular waste. Under attention of the local official regulations the nonwoven could be burned together with the garbage.

14. Transport information

The material must be transported in dry and odourless trucks or containers

15. Legislative information

15.1 Labelling according EWG-directives

Unknown

15.2 National rules:

Unknown

15.3 Water thread class:

Unknown

16. Other information

The details are based of our actual skills. The details do not assure the property and do not represent contractual law regulation.