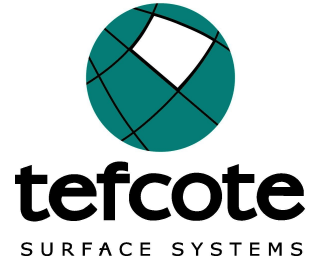


# MATERIAL SAFETY DATA SHEET

## TEFCOTE STANDARD MATRIX T 1777



### Technical Safety Information Sheet for Nonwovens on a voluntary basis (TSIS)

according to **EC 1907/2006**

for **product(s)** : Tefcote Standard Matrix **T 1777**

Date of issue : **19.02.2008** Date of revision : **19.02.2008**

#### 1. Product and company identification

Product : Tefcote Standard Matrix **T 1777**

Company : **Tefcote Surface Systems**

E-mail address: [office@tefcote.co.uk](mailto:office@tefcote.co.uk)

**2. Possible hazards** *No hazardous product under normal conditions.*

Special hazards information : **Accidental thermal decomposition and/or (partially) melting state can present hazards, see pt. 10.**

#### 3. Composition / information on ingredients

*This document provides safety-related information created on a voluntary basis. As nonwovens are generally not hazardous materials, a Material Safety Data Sheet (MSDS) is not legally requested or obligatory for such products.*

*The TSIS is an alternative means of transferring essential hazard information (including information on handling, storage, transport and actions in case of emergency) from the supplier of the nonwoven product to the recipient. The information content is based on the EC regulation for MSDS (EC 1907/2006).*

*The information of this TSIS has been developed by the supplier on express request of its customer and to the best of today's knowledge. The supplier does not assume any liability with respect to the correctness and / or completeness of this information. The TSIS does not release the customer from a possible duty to check all safety relevant properties of the nonwoven referring to official information on the local obligations.*

##### **Chemical characterization (product)**

Description : *Wet-laid nonwoven, chemically bonded*

Main components : *Fibre type(s) : C-glass*

Binder type(s) : *Polyacrylate*

Side components, additives : *Fibre additives (e.g. spin finishes, delustrants, etc.)*

Process auxiliaries (e.g. dispersing agents, defoamer, etc.)

Finishings : *None*

Further information : *None*

#### 4. First-aid measures *Under normal conditions ...*

After inhalation : *... not applicable*

After skin contact : *... no specific measures to be taken*

After eye contact : *... no specific measures to be taken*

After ingestion : *... no specific measures to be taken*

Information for the doctor : *... no specific measures to be taken*

#### 5. Fire-fighting measures

Suitable extinguishing media : *All common extinguishing media (e.g. water, CO2, sand)*

Unsuitable extinguishing media : *None*

Special hazards due to combustion products or emerging gases : *Ref. to formation of flammable and toxic combustion products, as well as skin contact with molten material, see pt. 10.*

*Ref. to disposal of unburned residues and contaminated extinguishing media, see pt. 12.*

Special protective equipment : **In event of fire it is advisable to wear a self-contained breathing apparatus.**

Further information : *None*

## 6. Accidental release measures

Personal precautions : *No specific measures to be taken*

Environmental precautions : *No specific measures to be taken*

Procedure for cleaning / absorption : *No specific measures to be taken*

## 7. Handling and storage

Handling : *Ref. to exposure controls and personal protection in case of mechanical-thermal treatment / processing, see pt. 8, otherwise no specific measures to be taken.*

Protection against fire and explosion : *No specific measures to be taken*

Storage : **Storage under cool, dry and light-protected conditions is recommended** (storage temperature max. 40°C, avoidance of high relative air humidity, formation of condensed water and direct solar radiation).

## 8. Exposure controls and personal protection

Technical protective measures : ***During mechanical-thermal processing (e.g. grinding, cutting, laminating), irritant (fibre) dusts and traces of irritant volatile components may possibly be released. In these cases vacuum equipment should be present or at least proper ventilation should be implemented.***

Components with workplace-related

exposure limits (to be monitored) : *None*

**Personal protective equipment** *If (fibre) dusts are released in higher extent during mechanicalthermal processing, ...*

Respiratory protection : *... the use of a respirator is recommended, ...*

Hand protection : *... wearing of protective gloves or at least the application of a barrier cream is recommended, ...*

Eye protection : *... wearing of safety glasses is recommended, ...*

Skin protection : *... avoidance of intense skin contact is recommended, ...*

*... otherwise no specific measures to be taken.*

**General safety and hygiene measures**

Measures : *Precautions similar to handling of chemicals are recommended.*

## 9. Physical and chemical properties

Colour : *White*

Odour : *Odourless*

Boiling point resp. range (°C) : *Not applicable*

Melting point resp. range (°C) : *Decomposition / Dissimilation (at least partially) above ca. 250°C*

Flash point / Ignition temperature (°C) : *Not easily inflammable / Not tested*

Autoignition : *Not tested*

Explosion hazard / Explosion limits : *Not liable to explode / Not applicable*

Vapour pressure (mbar) : *Not applicable*

Density (g/cm<sup>3</sup>) : *ca. 0,1*

Solubility in water : *Not tested (Product contains traces of water-soluble ingredients)*

Solubility in other solvents : *Binder system is "soluble" / "softening" in styrene (resp. in common styrene containing resins for manufacturing of FRP parts)*

pH value : *Not applicable*

Viscosity : *Not applicable*

Further information : *None*

## 10. Stability and reactivity

Conditions to avoid : ***Product may (at least partially) melt and / or decompose at temperatures above ca. 250°C. Decomposition is enhanced resp. accelerated in case of contact with below mentioned substances to avoid.***

Substances to avoid : ***Strong alkalis, strong (oxidizing) acids***

Hazardous decomposition products : ***Under thermal-chemical decomposition resp. in case of fire flammable and toxic fumes may be generated (as e.g. carbon monoxide (CO)). Type and amount of decomposition and oxidation products are subjected to specific (fire) conditions.***

Further information : ***(Partially) molten product must not come in contact with the skin, because it may stick and cause strong burns.***

## **11. Toxicological information** *Under normal conditions ...*

Acute toxicity : ... *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*

Experience from practise : *None*

Further information : ***Under thermal-chemical decomposition resp. in case of fire toxic substances may be generated, see pt. 10.***

## **12. Ecological information**

Biodegradability : ***Not biodegradable***

Ecotoxicity : *No ecotoxic effects are to be expected for regular transportation, storage and duly use.*

Further ecological information : ***In event of fire, unburned residues as well as contaminated extinguishing media must be disposed of in compliance with existing regulations.***

## **13. Disposal considerations**

General information : *Product can be disposed off as non hazardous solid waste in compliance with existing regulations (e.g. by incineration or landfill).*

Disposal code no. / AVV-Code : ***040222***

## **14. Transport information**

*Product is under normal conditions no hazardous good according to existing transport regulations.*

## **15. Regulatory information**

Labelling according to EC regulations : *Product needs not be labelled according to existing EC regulations.*

## **16. Other information**

*None*

***All information mentioned above is based on the present state of our knowledge and experience. The TSIS describes the product with regard to general safety requirements. The information does not guarantee certain properties. Recipients of the product must take their own responsibility for observing existing (local) laws and regulations.***

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