Safety Data Sheet

Product name: T 1777



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Date of issue: 15 January 2005 Date of revision: 18 September 2015

1. Product and company identification

Product name : T 1777 (Surfacing Veil)

Company : Freudenberg Performance Materials L.P.

3500 Industrial Dr. Durham, NC 27704

Telephone : (919) 620-3900 Fax : (919) 620-3992

www.freudenberg-pm.com

2. Possible hazards

EMERGENCY OVERVIEW: No hazardous product under normal conditions

POTENTIAL HEALTH EFFECTS:

Acute Eye: No known effects, not tested.
Acute Skin: No known effects, not tested.
Acute Inhalation: No known effects, not tested.
Acute Ingestion: No known effects, not tested.

Special hazard reference: Thermal composition and/or (partially) melting state

can present hazards, see pt. 10

3. Composition / information on ingredients

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

agents, defoamer, etc.)

Finishings: None

Further information: None

4. First-aid measures

EYES: no specific measures to be taken.

SKIN EXPOSURE: no specific measures to be taken **INHALATION:** no specific measures to be taken.

INGESTION: no specific measures to be taken.

NOTES TO PHYSICIAN: no specific measures to be taken

5. Firefighting measures

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FLASH POINT: 350-400°C (for PET)

EXPLOSIVE LIMITS (EL): N/A

Lower EL: N/A Upper EL: N/A

EXTINGUISHING MEDIA: All common extinguishing media (e.g. water, CO2, sand)

PERSONAL PROTECTIVE EQUIPMENT: Self-contained breathing apparatus is recommended.

SPECIAL PROCEDURES: Ref. to formation of flammable and toxic combustion products,

as well as skin contact with molten material, see pt. 10.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known. Product will burn under fire condi-

tions.

HAZARDOUS DECOMPOSITION MATERIALS (UNDER FIRE CONDITIONS): None.

6. Measures if released unintentionally

Personal precautions: No specific measures to be taken

Environmental precautions: No specific measure to be taken

Methods for cleaning up: No specific measure to be taken

Further information: None

7. Handling and storage

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

explosion: None Known

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 under and direct color rediction)

densed water and direct solar radiation).

8. Expose controls and personal protective equipment

Technical protective measure : 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..

Exposure control limits at work stations : No Specified Control Limits

Personal protective equipment

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Respiratory protection : To avoid breathing dust, use Respirator

Hand protection : To avoid skin contact, wear rubber gloves or, cotton gloves
Eye protection : To avoid eye contact, wear safety glasses with side shields
Skin protection : avoidance of intense skin contact is recommended, otherwise no

specific measures to be taken.

General safety and hygiene measures : Precautions similar to handling of chemicals are recommend

9. Physical and chemical properties

Appearance : Solid Color : White

Odor : No specific odor

Changes in physical state

Boiling point/Boiling range (°C) : Some parts may evaporate above 85°C

Melting point (°C) : not tested

Freezing temperature (°C) : Can stiffen and freeze below 0 deg C

Flash point (°C): Not Tested Ignition temperature (°C): Not Tested Auto ignition: Not applicable Explosion hazard: Not applicable Explosion limits: (Vol.-%): Not applicable Vapour pressure(mbar): Not applicable

Density (g/cm^3) : not tested

Bulk density (kg/m^3) :

Solubility in water : Insoluble in water

Solubility in other solvents : Insoluble in most organic solvents

pH-value : Not applicable

Viscosity : Not applicable Solid State

10. Stability and reactivity

CHEMICAL STABILITY: Stable at normal temperatures and storage conditions.

HAZARDOUS POLYMERIZATION: None known. Should not occur.

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

CHEMICAL INCOMPATIBILITY: Avoid strong acids and bases. Avoid oxidizing agents.

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.

11. Toxicological information

Acute toxicity : Not tested
Specific symptoms in animal experiments: Not tested
Irritation effects : Not tested

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Sensitization : Not tested Subacute to chronic toxicity : Not tested

Carcinogenicity, mutagenicity,

teratogenicity : Not tested Information from practical experience : Not tested

Additional information : Under thermal-chemical decomposition resp. in case of fire

toxic substances may be generated, see pt. 10.

12. Ecological information

Biodegradability : Not tested **Ecotoxicity** : Not tested

Further ecological information : In event of fire, unburned residues as well as contaminated ex-

tinguishing media must be disposed of in compliance with ex-

isting regulations.

13. Disposal considerations

Product : Product can be disposed of as a non-Hazardous solid waste.

Disposal code number

AVV-Code : 040222

14. Transport information

Not classified as dangerous in terms of transport regulations.

15. Regulatory information

Labeling according to EC-regulation : Not regulated (Nonwoven material).

national directives : Not regulated (Nonwoven material).

16. Other information

The information contained herein is based on the present state of knowledge and does not therefore guarantee certain properties. The safety data 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.

09/18/2015 Rev2: Updated Company Name

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