Material Safety Data Sheet [1]

MSDS No: 020 Iss. 25

Dated: 25th September 2023 Supercedes: Iss 24 March 2023

SECTION 1 - IDENTIFICATION OF THE PREPARATION(S) AND THE COMPANY

Product names / codes:

TFP Optiveil™ / Optimat® PAN Carbon Veil or Mats: 20301A, B, C, E, G & H, 20303A & G, 20311A, B & C, 20321B, 20324A, 20352A, B, C, D, E, F & H, 20354B, 20356A, 20371A, 20374A, 20332A, L00008-034

TFP Optiveil™ Development PAN Carbon Veils: T2702-00
T2767
T2667-00, 01 & 02
T2725-00 & 02
T2787-00, 01 & 02
T2789-00, 01 & 02
T2661-38 & 42

Intended Use:
Professional use only.

Company: Suter Kunststoffe AG, Aefligenstrasse 3, CH-3312 Fraubrunnen

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SECTION 2 - HAZARDS IDENTIFICATION

There is no Hazard Statement applicable to the non-woven products (articles) covered by this MSDS.

Cutting through the material and surface scuffing may release airborne carbon fibres and dust which may be mechanical irritants to the skin and eyes and irritant to the upper respiratory system.

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1) Under the European chemicals Regulation 1907/2006 REACH the TFP non-woven products listed in Section 1 above are considered to be articles – see Chapter 2, Art. 3 - Definitions, Para 3. These materials do not contain any substances of very high concern or substances intended to be released under normal foreseeable conditions of use.

Under Regulation 1907/2006 REACH Safety Data Sheets are only required for hazardous substances and mixtures / preparations; TFP Ltd is not therefore legally obliged to supply Safety Data Sheets for its non-woven products.

Despite this Technical Fibre Products Ltd has decided to provide its customers with information regarding the safe use and handling of the products listed above by means of this Material Safety Data Sheet.

Cutting through the material may create small amounts of respirable fibre particulates of carbon

As with any airborne dust, pre-existing upper respiratory and lung diseases may be aggravated.

Airborne Carbon fibres or dust may result in shorts and the malfunction of electrical equipment.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Composition: Article

Substance	CAS / EC No.	% By Weight	Classification and Labelling Regulation EC 1272/2008	Classification and Labelling Directive 67/548/EEC
PAN Carbon Fibre [1]	308063-67-4 / 231-153-3	80 - 95	Article -Not Classified	Non-Hazardous
Polymeric Binder	N/A - polymer	5.0 – 20	Not Classified	Not Classified

1) Carbon Fibre made from Polyacrylonitrile fibre

SECTION 4 - FIRST AID MEASURES

Skin: Rinse affected areas with water and wash gently with soap. Do not use detergent.

Eyes: Flush eyes with large quantities of water. Have eye bath readily available in areas where eye contact may occur. Seek medical attention if irritation continues.

Ingestion: Drink plenty of water. Seek medical advice.

Inhalation: Remove to fresh air, drink water and clear throat and blow nose to evacuate fibre/dust. Seek medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Use extinguishing agent suitable for type of surrounding combustible materials.

Unusual Fire & Explosion Hazards:

When burnt these products will release airborne carbon fibres which may result in shorts or malfunction of electrical equipment.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Do not allow dust or fibres to be wind blown.
Unwanted scrap material should be collected and stored in sealed bags.

Do not use compressed air to remove dust or fibres from clothing or equipment

Collect dust and fibre deposits using a vacuum cleaner fitted with HEPA exhaust air filtration.
The collected deposits and used vacuum bags should be sealed into poly bags before disposal.

If sweeping is required the area should be thoroughly damped down with water before sweeping starts to ensure that fibres and dust do not become airborne during sweeping

SECTION 7 - HANDLING AND STORAGE

Handling: Keep airborne dust and fibre fly to a minimum.

Storage: Store dry and cool.
Keep in original wrapping until required for use.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Applicable Workplace Exposure Limits from HSE EH40/2005 (Fourth Edition Jan 2020):

Fine Carbon Dust: 3.5 mg/m^3 (8 hr TWA) and 7 mg/m^3 (STEL)

Respiratory Protection: Use local exhaust ventilation (extraction) where available to maintain airborne carbon dust levels below the occupational exposure limit.
If airborne carbon dust levels exceed the occupational exposure limit wear disposable dust masks to EN149:2001 - FFP2minimum.

Hand Protection: The use of disposable vinyl gloves is recommended.

Eye Protection: Wear goggles or safety glasses with side shields.

Skin Protection: Wear overalls that are loose fitting at the neck and wrists.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black Tissue, veil or mat.

Density: 60 -110 kg/m^3

Flammability: The material will burn for a short period until the polymeric binder is burnt out.

SECTION 10 - STABILITY AND REACTIVITY

Stability/Conditions to avoid: Stable

Materials to avoid: Strong oxidising agents.

Hazardous decomposition products: Combustion products are H_2O, CO, CO_2 and hydrocarbons.

Hazardous Polymerisation: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

PAN carbon fibre:

The carbon fibre in these products is non-hazardous

Loose carbon fibres or dust produced by cutting or mechanical processing of the product may cause temporary irritation of the eyes, skin and throat due to mechanical effects. Prolonged or repeated skin contact may result in mechanical dermatitis.

The carbon fibres in these products have mean diameters greater than 5.0 µm and are not classified as respirable fibres.
Carbon fibres do not fibrillate during mechanical processing.

Cutting or mechanical processing of the products may create small amounts of respirable fibre particulates of carbon.

Polymeric Binder:

The polymeric binder in these products is considered to be non-hazardous

SECTION 12 - ECOLOGICAL INFORMATION

The polymeric binder in these products will slowly bio-degrade over time releasing the carbon fibres
The fibre content will remain inert.

SECTION 13 - DISPOSAL CONSIDERATIONS

Wastes are not classified as a hazardous waste and may be disposed of at a normal licensed industrial waste site. Local Environmental Regulations should be considered.

Waste should be bagged or suitably contained for disposal to prevent dust or fibre being wind blown during disposal.

Incineration of waste should only be done in incinerators fitted with exhaust gas filtration or scrubbers to prevent the release of airborne carbon fibres and dust which may result in shorts and malfunction of electrical equipment

SECTION 14 - TRANSPORT INFORMATION

Not regulated for Transport.
Ensure that dust or fibres are not wind blown during transportation.

SECTION 15 - REGULATORY INFORMATION

Product Hazard classification according to Directive 67/548/EEC

Not classified

Product Hazard Classification according to Regulation CE 1272 / 2008.

Article not-classified

SECTION 16 - OTHER INFORMATION:

Notes:
May 2020: Revised and re-issued
March 2021: Addition of development variants – T2789-00, 01 & 02
October 2021: Addition of development variants T2787-00, 01 & 02
April 2022: Addition of 20352D
June 2022: Addition of T2661-38 & 42
September 2022: Removal of 20304A as now withdrawn
December 2022: Addition of 20301H, after removal of MSDS 143
February 2023: Addition of 20352E & 20311C
March 2023: Addition of 20301E
September 2023: Addition of 20352F & H

This information only concerns the above named product(s) and may not be valid if used with other product(s) or for uses other than those described in Section 1. This information is, to our best knowledge, correct and complete, but no guarantee can be given. It remains the responsibility of the user to make sure that the information is appropriate and complete for their particular use of the product.