

## Manufacturer's Material Safety Data Sheet

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Carbon Fiber  
**Product Code:** DPCF516 woven fabric and DPCM600/5 needled felt  
**Product Use:** Tolerate high temperatures, insulation, fireproof

#### Supplier Information

**Company Name:** DARCO INDUSTRIES  
**Address:** 20 Dobra Road, Yangebup 6164  
**Tel:** 08 9418 8826  
**Fax:** N/A  
**Email:** [sales2@darco.com.au](mailto:sales2@darco.com.au)  
**Emergency Telephone:** 0402002359

### 2. HAZARDS IDENTIFICATION

#### Emergency Overview

Contains no ingredients now known to be hazardous. The normal cutting of the fiber, either with scissors or razor blade is suspected of generating small amounts of possibly respirable fibers. We believe that such fiber cutting should be done in a ventilated hood facility.

**Primary Entry Routes:** Eye, skin, inhalation

#### Potential Health Effects:

**Eye:** Dust may cause eye irritation  
**Skin Contact:** Dust may cause skin irritation.  
**Skin Absorption:** Not expected to be a major route of entry.  
**Ingestion:** Not known  
**Inhalation:** Small carbon fibers or dust are suspected as being possible inhalation hazards.  
**Chronic effects:** A review of the literature does not show obvious long term hazard.  
**Carcinogenicity:** No component known to be present in this product and is at > 0.1% is presently listed as a carcinogen by IARC or OSHA unless otherwise noted.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Preparation:** Preparation

Ingredients Name	Content/%	CAS No.	Classification
Carbon fiber	88-94	7782-42-5	-

## Manufacturer's Material Safety Data Sheet

Additives	6-12	Mixture	-
-----------	------	---------	---

**Note:** See Section 8 of MSDS for exposure limit data for these ingredients.

This MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of the product.

### 4. FIRST AID MEASURES

**Eyes:** In case of contact, immediately flush eyes with copious amounts of flowing water for at least 15 minutes, retracting eye lids often. Get medical attention immediately. Contact lenses should not be worn when working with this product.

**Skin:** Wash skin thoroughly with mild soap and water. Flush with warm water for 15 minutes.

**Inhalation:** If large amounts of the dust are inhaled, move the exposed person to fresh air at once. If symptoms persist contact physician.

**Ingestion:** Not known

### 5. FIRE FIGHTING MEASURES

**Flammability classification:** Not classified.

**Flash Point/Method:** > 1500 Deg. C.

**Auto-Ignition Temperature:** Not determined

**Flammable Limits: Lower:** Not applicable

**Upper:** Not applicable

**Extinguishing Media:** Non-burning

**Special Conditions to Avoid:** None known

**Hazardous products of Combustion:** None known

**Unusual Fire Hazards:** None known

**Firefighting procedures/instructions:**

Treat the surrounding fire; this product is non-burning.

**Properties that could increase fire or explosion hazard:**

None known.

### 6. ACCIDENTAL RELEASE MEASURES

**Spill /Leak Procedures:** Prevent the spread of fiber dust and avoid dust generation conditions. Vacuum clean dusts and fiber. If sweeping is necessary, use a dust suppressant. Those involved in the cleanup of fiber should use appropriate personal protective equipment. See Section 8.

**Containment:** N/A

## Manufacturer's Material Safety Data Sheet

**Regulatory Requirements:** Follow applicable regulations.

### 7. HANDLING AND STORAGE

**Handling Precautions:** Handle properly to prevent the spread of fiber dust.

**Storage Requirements:** Store in proper containers to prevent the spread of dusts and fibers. Low humidity levels will increase the spread of dusts and fibers.

**Regulatory Requirements:** Keep airborne dusts and fiber concentrations below regulatory levels.

### 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

**Engineering Controls:** None

**Exposure Limits**

No data

**Personal Protective Equipment**

**Eye/Face Protection:**

ANSI 87.1 approved safety glasses with side shield when sharpening these rods, either with razor blade or carbon rod sharpener or plain wood file.

**Skin Protection:**

No particular protection needed when handling this material on an occasional basis. For converting bulk rolls of the fiber into smaller packs, we recommend the wearing of some kind of gloves, for example, latex gloves.

**Respiratory Protection:**

For the occasional cutting of a fiber, special protection is not needed, provided it is done in a chemical fume hood with exhaust.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Fiber

**Appearance and Odor:** Black

**Odor Threshold:** N/A

**Vapor Pressure:** None

**Vapor Density (Air=1):** N/A

**Formula Weight:** 12

**Density:** 1.8

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 7-30 g

**pH:** 6-8 (In water)

**Water Solubility:** Not soluble

**Other Solubility's:** N/A

## Manufacturer's Material Safety Data Sheet

**Boiling Point:** N/A

**Freezing/Melting Point :** > 1500 Deg. C.

**Viscosity:** N/A

**Refractive Index:** N/A

**Surface Tension:** N/A

**% Volatile:** 0%

**Evaporation Rate:** N/A

### 10. STABILITY AND REACTIVITY

**Stability:** This carbon fiber is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** None

**Conditions to Avoid:** None

**Hazardous Decomposition Products:** Thermal oxidative decomposition of carbon fiber can produce oxides of carbon, CO, CO<sub>2</sub>, and hydrocarbons.

### 11. TOXICOLOGICAL INFORMATION

**Toxicity Data:**

No data

**Eye Effects:** May cause eye irritation.

**Skin Effects, Contact:** Concentrate may cause skin irritation

**Skin Effects, Absorption:**

No absorption or acute effects expected. However the dust might cause some mild irritation of the skin.

**Acute Oral Effects (Ingestion):** None known

**Acute Inhalation Effects:** None known.

**Chronic Effects:**

A review of the literature does not show obvious long term hazard.

**Carcinogenicity:**

No component known to be present in this product at > 0.1% is presently listed as a carcinogen by IARC, NTP, or OSHA unless otherwise noted in Section 16.

### 12. ECOLOGICAL INFORMATION

Carbon fiber, cleaned or finished is considered to be an inert solid waste and will not cause harm to the environment if spilled or released. This product is not manufactured with, or does not contain and Ozone Depleting Chemicals.

## Manufacturer's Material Safety Data Sheet

### 13. DISPOSAL CONSIDERATIONS

**Disposal:** All recovered material should be packaged, transported and disposed of (or reclaimed) using good engineering practices. Disposal method must be in compliance with local, state, and federal regulations regarding health, air and water pollution.

**Disposal Regulatory Requirements:** N/A

**Container Cleaning and Disposal:** N/A

### 14. TRANSPORT INFORMATION

The preparation is not classified as dangerous.

**Proper shipping name:** NA

**Hazard class:** Not regulated

**Packing group:** NA

**Identification number:** NA

Before transport, check container to ensure it is sealed. During transport, check and make sure there are no leakage and falling over. Road transport must follow regulated transport route. Do not stay in area of high population density.

### 15. REGULATORY INFORMATION

**European Labeling in Accordance with EC Directives**

**Hazard Symbols:** -

**Risk Phrases:** -

**Safety Phrases:** -

**Inventory**

All components of this product are listed on the Toxic Substance Control Act (TSCA) Section 8(b) Chemical Inventory.

**SARA Section 302 Extremely Hazardous Substances:** Not listed anywhere.

**SARA 311/312**

**Acute:** No

**Chronic:** No

**Fire:** No

**Reactivity:** No

**Sudden release of pressure:** No

**SARA Section 313 Toxic Chemicals:** No "313 chemicals" contained in this product.

## Manufacturer's Material Safety Data Sheet

### 16. OTHER INFORMATION

**Issue Date:** 2017-10-30

This information and these recommendations are offered in good faith and believed to be correct as of the date hereof. Information and recommendations are supplied upon the condition that the recipients will make their own decision as to safety and suitability for their purposes. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made with respect to the product or the information and recommendations. We make no representation as to completeness or accuracy. In no event we shall be responsible for damages of any nature whatsoever resulting from the use or reliance upon the information and recommendations.

\* \* \* END OF MSDS \* \* \*