

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT : CARBON FIBRE TISSUE

COMPANY : Deluxe Materials Limited, Unit 13 Cufau de Business Park,
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2. HAZARDS IDENTIFICATION

HAZARD

Cutting through the material and surface scuffing may release small amounts of airborne carbon fibres and dust which are mechanical irritants to skin, eyes and upper respiratory system.

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

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

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical C Chemical Constitution:

% By Weight CAS / EINECS No

Pitch or PAN based Carbon Fibre 75 - 97 7440-44-0 / 231-153-3

Polymeric binder 3.0 – 25 N/A

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 if symptoms persist.

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

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Use extinguishing agent suitable for type of surrounding combustible materials.

Unusual Fire & Explosion Hazards:

Incineration of product may result in release of airborne Carbon fibres leading to shorts in electrical equipment.

6. ACCIDENTAL RELEASE MEASURES

Do not allow dust or fibres to be wind blown.

Unwanted product should be collected and stored in sealed bags.

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

Dust or fibre deposits should be collected using a suitable vacuum cleaner 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 commences to prevent dust or fibre becoming airborne during sweeping.

7. HANDLING AND STORAGE

Handling: Keep dust generation to a minimum.

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

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Applicable Occupational Exposure Limits: from HSE EH40 / 2005 and Supplement Oct 2007:

Fine Carbon Dust: 3.5 mg/m³ (8 hr TWA) and 7 mg/m³ (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 - FFP2 minimum.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black Tissue, veil or mat.

Density: 60 -110 kg/m³

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

10. STABILITY AND REACTIVITY

Stability/Conditions to avoid: Stable

Materials to avoid: Strong oxidising agents.

products: Co **Hazardous decomposition products:** Combustion products are H₂O, CO₂ CO₂ and hydrocarbons.

Hazardous Polymerisation: Will not occur.

11. TOXICOLOGICAL INFORMATION

Carbon fibre is non-toxic

Skin contact with carbon fibres or dust produced by cutting or mechanical processing of the product may cause temporary irritation to the eyes skin and respiratory system due to mechanical effects.

Prolonged or repeated skin contact may result in mechanical dermatitis

The carbon fibres have mean diameters > 6.0 µm and are not classified as respirable fibres; the fibres do not fibrillate during mechanical processing.

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

12. ECOLOGICAL INFORMATION

The fibre content will remain inert.

The polymeric binder may bio-degrade releasing the carbon fibres

13. DISPOSAL CONSIDERATIONS

Waste is not classified as a hazardous waste and may be disposed of at a normal licensed industrial waste site. Local regulations should be considered.

Waste should be bagged or suitably contained for disposal to prevent any dusts 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 fibres and dust

14. TRANSPORT INFORMATION

Not regulated for Transport.

Ensure that dust is not wind blown during transportation

15. REGULATORY INFORMATION

These products are not subject to regulation

16. OTHER INFORMATION

Notes: Revised January 2009

Sections 2 - Hazards Info ; note added regarding respirable fibre particulates

Section 11 - Toxicology note added regarding respirable fibre particulates of carbon

Plus minor changes

This information only concerns the above named product(s) and may not be valid if used with other product(s) or in any process. 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.

If you have purchased this product for supply to a third party for use at work, it is your duty to take all necessary steps to ensure that any person handling or using the product is provided with the information on this sheet.

If you are an employer, it is your duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken