



SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME(S): FC-3KTAPE (ALL SIZES) Carbon Fiber Sizing Type “4”
PRODUCT USE: Industrial, Commercial
DISTRIBUTOR: Northern Composites LLC 102 Tide Mill Road, Hampton, NH 03842

FOR MORE INFORMATION CALL:
 (Monday-Friday, 9:00am-5:00pm)
 Quality Assurance Department: (603) 926-1910

IN CASE OF EMERGENCY CALL:
 (800) 424-9300 CHEMTREC

2. HAZARDS IDENTIFICATION

Classification: This product as sold is NOT classified as a hazardous chemical as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200, and is considered an “article” under same.
GHS Label Elements: Product as sold is not classified as a hazardous chemical or material.
Precautionary Statement: Carbon Fiber is electrically conductive and can cause short-circuiting of electrical components. Airborne carbon fiber can also disturb electrical equipment
Hazards Not Otherwise Classified: This product in its supplied form as an “article” is not expected to create any hazards. Short fiber, for example particles or fly, can cause transient skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Carbon Fiber (type 4 carbon fiber yarn)

Ingredient	CAS No.	%
Carbon Fiber	7440-44-0	>94%
Sizing Agent	Proprietary	<2%

4. FIRST AID MEASURES

Description of Necessary First Aid Measures: Product is not expected to present hazards in the supplied form. If the consumer changes the form of the product, these first aid measures may be applicable on an as needed basis. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice.

Inhalation: If symptoms occur go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists. Wash/Rinse inside of mouth with water.
Skin Contact: If transient skin irritation occurs, remove contaminated clothing and wash affected area with soap and water, do not rub or scratch as this may cause carbon fibers to become embedded in the skin. Wash clothing separately.
Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. For an additional 5 to 10 minutes, obtain medical attention, if irritation is still present.
Ingestion: Rinse mouth. Do not induce vomiting. Get medical advice/attention.

Most Important Symptoms/Effects, Acute and Delayed:

Potential Acute Health Effects:

Inhalation: Nuisance dust may cause temporary but reversible respiratory problems.
Skin Contact: Fiber contact may cause slight itching and irritation.
Eye Contact: Abrasive action may cause damage to the outer surface of the eye. Avoid wearing contact lenses if airborne carbon fiber/particle fly is particularly heavy.
Ingestion: Not a likely route of entry due to physical nature of material.

Over-Exposure Signs/Symptoms:

Inhalation: None known
Skin Contact: None known
Eye Contact: None known
Ingestion: None known

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary

Notes to Physician: None
Specific Treatments: None Required

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire, foam, CO2, water spray, and dry chemical powder.
Hazardous Thermal Decomposition Products: When heated to decomposition, may emit toxic fumes.
Precautions for Fire-Fighters: Do not enter fire area without proper protective equipment, including respiratory protection. Keep personnel removed and upwind of fire.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Hazardous reactions will not occur under normal conditions.
OTHER INFORMATION: NA

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: No special measures needed, general PPE should be worn to protect against skin and eye contamination.
Methods and Materials for Containment and Cleaning Up: No Special measures needed, material is a solid and can be swept up and placed in an appropriate container for disposal.
ENVIRONMENTAL PRECAUTIONS: Do not allow to enter ground water, sewage or drains

7. HANDLING AND STORAGE

Precautions for Safe Handling:	Contact with carbon fiber can cause transient skin irritation. Hold the paper tube when handling bobbins to limit contact. To limit exposure wear cloth/leather gloves and cover exposed areas with normal work clothing. Additional protection may be needed if particle limits are excessive.
Conditions for Safe Storage:	Store in a dry, cool and well-ventilated place. Keep/Store away from extremely high or low temperatures, ignition sources, direct sunlight, and incompatible materials. Low humidity is recommended.
Incompatibilities:	Strong oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection:	Not normally required. Use a NIOSH-approved respirator or self-contained breathing apparatus whenever ventilation is insufficient.
Eye Protection:	Safety goggles to prevent dust and fly from contamination the eyes.
Skin/Hand Protection:	Adequate gloves and clothing are recommended to avoid skin contamination.
Other Protective Clothing or Equipment:	Local extract ventilation is recommended where dust and fly are generated by cutting or processing. Filter in ventilation is requested to prevent dust and fly from being discharged into open air.
Work Hygienic Practices:	Practice safe work habits. Wash hands before handling food
Exposure Limits:	See Table below.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid: black fiber
Color:	black
Odor:	No data available
Odor Threshold:	No data available
pH:	Not applicable
Melting Point:	Not applicable
Boiling Point:	No data available
Flash Point:	No data available
Evaporation Rate:	No data available
Flammability:	No data available
Explosive Limits:	No data available
Vapor Pressure:	No data available
Vapor Density:	No data available
Specific Gravity:	1.6-2.0
Solubility:	Insoluble
Auto-Ignition Temperature:	No data available
Decomposition Temperature:	No data available

10. STABILITY AND REACTIVITY

Reactivity:	Hazardous reactions will not occur under normal conditions.
Chemical Stability:	Stable under recommended handling and storage conditions (see Section 7).
Possibility of Hazardous Reactions:	Oxidation can progress slowly and become red-hot when exposed to high temperatures greater than 240C in air.
Conditions to Avoid:	Keep from sources of electricity.
Incompatible Materials:	Strong oxidizers
Hazardous Decomposition Products:	No data available.
Hazardous Polymerization:	Will not occur

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:	In once component of the sizing agent, Bisphenol A epoxy resin, the mutagenic effect on a microbe is recognized.
Immediate (acute) effects:	Contact with fly or dust can cause skin and eye irritation.
Delayed effects:	No delayed or chronic effects have been identified.
Carcinogenic status:	No silicosis case has been reported on inhalation test with mouse.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	No additional information available
PERSISTENCE AND DEGRADABILITY:	Not established
BIOACCUMULATIVE POTENTIAL:	Not established
MOBILITY IN SOIL:	No additional information available
OTHER ADVERSE EFFECTS:	Do not allow to enter ground water, sewage or drains. Avoid release to the general environment.

13. DISPOSAL CONSIDERATIONS

Waste disposal method:	Dispose of waste material in accordance with all local, regional, national, and international regulations. This product must be treated as industrial waste, separated from public waste. This product should not be incinerated. Carbon Fiber can not be incinerated well by a general incinerator, and the fibrous fragments, which may be generated by insufficient incineration, may cause the short-circuiting of electrical equipment.
RCRA Classification:	If discarded in its manufactured form, this product is not expected to be a characteristic or specifically listed hazardous waste under RCRA. However, it is the responsibility of the user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste.

RCRA: Resource Conservation and Recovery Act

14. TRANSPORT INFORMATION

US DOT HAZARD CLASS (CFR 49):	Not regulated
US DOT ID NUMBER:	Not applicable.
TRANSPORTATION OF DANGEROUS GOODS:	Not applicable.
IATA:	Not applicable.
INTERNATIONAL MARITIME DANGEROUS GOODS:	Not applicable.

Not classified as dangerous goods according to the national and international regulations on the transport of dangerous goods. For additional information on shipping regulations affecting this material, contact the information number found on the first page.

15. REGULATORY INFORMATION

TSCA Status: All ingredients are TSCA listed or exempt.
WHMIS: Not Regulated.

16. OTHER INFORMATION

CURRENT ISSUE DATE: August 21, 2019
PREVIOUS ISSUE DATE: N/A

CHANGES TO MSDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:

OTHER INFORMATION:

OSHA: Occupational Safety and Health Administration.
ACGIH: American Conference of Governmental Industrial Hygienists.
NIOSH: National Institute for Occupational Safety and Health.
RCRA: Resource Conservation and Recovery Act
TSCA: Toxic Substances Control Act
WHMIS: The Workplace Hazardous Materials Information System, CANADA

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