

Zhongfu Shenyong Carbon Fiber Co., Ltd.

No. 6, Yunqiao Road, Dapu Industrial Zone, Lianyungang City, Jiangsu Province, ChinaTel: 86-518-86070008Fax: 86-518-86070007

Material Safety Data Sheet

1. Product and Company Information

Product Name: Carbon Fiber

Carbon filament types: 3K, 12K, 24K

Manufacturer's Name: Zhongfu Shenyong Carbon Fiber Co., Ltd.

Address: No. 6, Yunqiao Road, Dapu Industrial Zone,
Lianyungang City, Jiangsu Province, ChinaTelephone:
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2. Ingredients

Component composition %

Carbon fiber (polyacrylonitrile
PAN based) 96%, sizing agent 4%

CAS No.: 7440-44-0

3. Hazard Identification

Potential health impacts:

Inhalation: Dust may cause irritation.

Skin: May cause skin irritation. Mechanical irritation may occur if carbon fibers wear or embed into the skin.

Eyes: Fragments of this product may cause mechanical irritation to the eyes. Chemical irritation may also occur and this product may cause respiratory irritation.

Intake: Unknown

Chronic effects/Carcinogenicity: Not regulated as a carcinogen.

Environmental impact: Carbon fiber is conductive and can cause short circuits in electrical equipment.

4. First aid measures

Inhalation: Move to fresh air and rinse the inside of the mouth with water. If you feel dizzy or unbalanced, seek medical attention promptly. Skin contact: No special measures required.

Eye contact: Rinse with plenty of water. If irritation persists, consult a doctor.

Intake: Consult a doctor.

5. Fire prevention measures

Special fire-fighting procedures: In any fire, wear a self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear. Extinguish fires from a safe distance or within a protected area. Fire hoses with nozzles can be used to control the fire, but care must be taken not to spread the flames. Water may not always be effective against large fires.

Fire extinguishing medium: This material is not expected to burn in a fire. If this product is present in a fire, extinguish the fire as you would for flammable materials.

6. Measures for Unexpected Leakage

Personnel handling measures: No special measures required.

Environmental impact measures: No special measures required. 7. Handling and storage

Handling: Direct contact with carbon fiber may cause temporary skin irritation. Hold the paper tube when handling the spool.

Exposure control for handlers: Not applicable

Fire and explosion prevention measures: Not applicable

Storage: Store in a cool and dry place. Wash hands with soap and water after handling. During handling activities, appropriate protective clothing as described in Section 8 should be worn.

8. Exposure Control / Personal Protection

8.1 Ventilation Requirements

Local exhaust for fiber dust only

8.2 Personal Protective Equipment

Eye/face protection: Safety goggles and dust masks

Skin protection: Protective clothing, rubber gloves (covering the whole body) Respiratory protection: Dust mask

9. Physical and Chemical Properties

Appearance: Black fine filament (fiber)

Density (g/cm³): Approximately 1.8

Boiling point: Not applicable

Melting point: Not applicable

Steam density: N/A

Volatility: Not applicable

10. Physical Hazards (Stability and Reactivity) Chemical Stability: Stable

Conditions to avoid: Incompatible with strong oxidizing agents: None

Hazardous polymerization: Will not occur

Hazardous decomposition products: None

11. Toxicological Information

Irritation: Combustion gases irritate the eyes and skin.

Toxicity: Unknown

12. Ecological Information

Biodegradability: Non-biodegradable

Bioaccumulation: Unknown

Water toxicity: Unknown

13. Disposal Considerations

Waste treatment methods

Dispose of fibers in accordance with applicable government regulations for non-hazardous solid waste.

14. Transportation Information

Avoid water ingress and improper handling to prevent damage to the container.

15. Regulatory Information

This product does not fall into the category of toxic chemicals or dangerous goods. No special warning labels are required.

TSCA (USA) No.: Carbon Fiber 7440-44-0
EINECS No.: Not Applicable

WHMIS (Canada): Not
Applicable CAS: 7440-44-0

OSHA: Not applicable

SARA, Section 313, Toxic Chemicals: None

16. Other Information

Not applicable