



Material Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chemical Product Carbon Fiber Filled Nylon 12 filament

MSDS No. F092026

Date 04.28.2023

2. INFORMATION ON INGREDIENTS

Chemical Name	Nylon 12	Carbon Fiber	Other
CAS NO.	24937-16-4	7440-44-0	
Content	≥80%	≤15%	≤5%

Impurities Contributing to Hazard None

3. HAZARDS IDENTIFICATION

Adverse Human Health Effects None

Environmental Effects None

Physical and Chemical Hazards None

Special Hazards None

4. FIRST AID MEASURES

Inhalation In case of gases evolving from molten resin, brings the affected person to fresh air. Call a physician immediately in case of discomfort.



Skin Contact In case of contact with molten material, immediately wash the skin with plenty of cold water. See a physician for removal of adhering material.

Eye Contact

If molten material contacts the eye, rinse immediately with plenty of water for at least 15 minutes. Call a physician immediately.

Ingestion Induce vomiting with medical advice. Rinse your mouth with water. Seek medical advice if discomfort occurs.

5. FIRE-FIGHTING MEASURES

Extinguishing Media	Water, Foam, Dry chemical powder
Fire and Explosion Hazards	None
Special Fire-Fighting Procedure	Minimize dust generation and accumulation
Special Protective Equipment	Wear self-contained breathing apparatus and full protective clothing

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate personal protective equipment.
Environmental Precautions	Prevent entry into surface water or drainage systems.
Methods for Cleaning up	Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling	Avoid contact with molten material. Use personal protective equipment.
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Storage

Keep cool. Protect from water, moisture and direct sunlight. Avoid all sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls

Provide appropriate exhaust ventilation at places where dust is formed.

Personal Protective Equipment

Skin Protection

Wear protective clothing when handling hot molten products.

Hand Protection

Wear protective gloves when handling hot molten products.

Eye Protection

Wear protective glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Monofilament

Density

1.05g/cm³

Melting Point

183

Melting Temperature

200°C-250°C

Solubility

Insoluble in water



10. STABILITY AND REACTIVITY

Chemical Stability

Stable under recommended storage conditions.

Reactivity

None expected under conditions of normal use.

11. TOXICOLOGICAL INFORMATION

Irritation

Fumes generated from decomposing resin may be irritant to eyes.

12. ECOLOGICAL INFORMATION

Persistence and degradability

Product is not biodegradables.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

Not regulated

15. REGULATORY INFORMATION

Not available

16. OTHER INFORMATION

The data given above is believed accurate and for reference only.