



MATERIAL SAFETY DATA SHEET (MSDS)

Concrete Fiber

Product Name: Concrete Fiber

Product Type: Polypropylene Fiber for Concrete Reinforcement

Recommended Use: Concrete and mortar reinforcement

Supplier: Basekim Company

1. Hazard Identification

Polypropylene concrete fiber is generally not classified as hazardous under normal conditions of use.

Important hazards:

- Loose fibers or dust may cause mild eye and respiratory irritation.
- Molten material may cause thermal burns.
- Product is combustible when exposed to sufficient heat or flame.
- Loose fibers may create a slipping hazard.

Signal Word: Not required

2. Composition

Component	Typical Content
Polypropylene Polymer	>95%
Stabilizers / Processing Additives	<5%

Exact formulation is grade-dependent.

3. First-Aid Measures

Inhalation: Move to fresh air. Seek medical attention if irritation continues.

Eye Contact: Rinse carefully with clean water for at least 15 minutes.

Skin Contact: Wash with soap and water.

Ingestion: Rinse mouth. Seek medical advice if discomfort occurs.



Molten Material: Cool affected skin with clean running water and obtain medical attention.

4. Firefighting Measures

Suitable extinguishing media:

- Water spray
- Foam
- Dry chemical powder
- Carbon dioxide

Burning may produce carbon monoxide, carbon dioxide and irritating smoke.

5. Accidental Release

- Collect or sweep spilled fibers.
- Avoid generating airborne dust.
- Keep walking surfaces clean.
- Prevent unnecessary release into drains and waterways.

6. Handling and Storage

- Handle in a ventilated area.
- Avoid excessive dust generation.
- Keep away from flames and ignition sources.
- Store in a cool, dry location.
- Protect packaging from moisture and contamination.
- Keep bags closed until use.

7. Personal Protection

Eyes: Safety glasses.

Hands: Protective work gloves.

Respiratory: Dust mask or suitable particulate protection when excessive dust is generated.

Body: Normal protective work clothing.



8. Physical Properties

Property	Typical Information
Appearance	Fine synthetic fibers
Colour	White / translucent
Material	Polypropylene
Odour	Odourless
Density	Approximately 0.90–0.92 g/cm ³
Water Solubility	Insoluble
Flammability	Combustible
Corrosion	Non-corrosive

9. Stability and Reactivity

Stable under normal conditions.

Avoid excessive heat, open flames and strong oxidising agents.

10. Toxicological Information

Low toxicity under normal use.

Loose fibers or dust may cause temporary eye, skin or respiratory irritation.

11. Environmental Information

Polypropylene is not readily biodegradable.

Prevent unnecessary release of loose fibers into the environment and waterways.

12. Disposal

Recycle where possible.

Dispose of waste according to applicable local regulations.

Do not burn in an open fire.



13. Transport Information

Generally not classified as dangerous goods for road, sea or air transport.

14. Important Notice

This MSDS applies to polypropylene concrete fiber. Steel, glass and other synthetic concrete fibers require separate safety information.

Final composition and product classification must be confirmed by the manufacturer.