



FIBREZONE

Material Safety Data Sheet Polypropylene Fibre

FIBREZONE

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Ahmedabad – 380009.

1 - IDENTIFICATION

Product Name: Polypropylene Fibre

HIMS	
HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

2 - COMPOSITION / INFORMATION ON INGREDIENTS

Substance	CAS No.	EC No.	Concentration By Weight
Polypropylene	9003-07-0	204-062-1	>99%

3 - HAZARD IDENTIFICATION

Product is not considered to be hazardous under normal processing conditions.

Health Standard 29 CFR 1910 Subpart Z and United Nations GHS Parts 2, 3, and 4.

4 - FIRST AID MEASURES

Routes of Exposure:

Inhalation: Inhalation of Fibres or Fibre dust may cause respiratory irritation. Move to fresh air if effects occur. Consult a physician if persistent coughing or other symptoms develop.

Skin: If molten material contacts the skin, immediately flush with large amounts of water to cool the affected tissues and polymer. Do not attempt to peel the polymer from skin. Obtain immediately emergency medical attention if burn is deep or extensive.

Skin Absorption: A single prolonged skin exposure is not likely to result in the material being absorbed through the skin in harmful amounts.

Eyes: Fibres or Fibre dust may cause irritation or scratch the surface of the eyes.
Flush with water to remove particles; remove contact lenses if present part eyelids with fingers to ensure complete flushing. Consult a physician if persistent irritation or other symptoms develop.

Ingestion: No adverse effects are believed to occur from swallowing a small amount. Consult a physician if symptoms develop or if a large amount is swallowed. Contaminated clothing does not need to be removed.
Personal protective equipment is not required for first-aid responders.

5 - FIRE FIGHTING MEASURES

Flash Point: >330OC

Flammable Limits: >360OC

Extinguishing Media: Water, foam, Co₂, dry chemical powder.

Hazardous Combustion Products: May include, but are not limited to, Co and Co₂.

Unusual Fire & Explosion Hazards: None known.

Special Fire Fighting Procedures: Avoid excessive inhalation of smoke or potential Thermal decomposition products. Keep product cool by spraying with water. If outdoors, fight fire from an upwind position.

Special Protective Equipment: Due to potential decomposition of the polymer, Firefighters should be equipped with positive pressure self-contained breathing apparatus (SCBA) and standard protective fire fighting clothing (helmet, eye protection, overalls, boots, and gloves) when fighting all indoor fires and any significant outdoor fires.

Additional information: Heat value 8000 – 11000 kcal/kg.

6 - ACCIDENTAL RELEASE MEASURES

Spill & Leak procedure: Sweep up spilled material for use or disposal. Good housekeeping must be maintained to avoid potential slipping problem.

Caution: Keep walking surface free of spilled material to avoid slipping hazard. Avoid the use of air jets.

7 - HANDLING & STORAGE

- Safe Handling:** No special requirements necessary, if handled at room temperature.
- Safe Storage:** Avoid over stacking to prevent collapse or breakage of the package. Do Not store near flame or incompatible substances. Store the bags in areas protected with automatic sprinklers. Storage temperature should be below 600C, avoid direct sunlight, and do not use where there is gas exhaust of NO₂, SO₂, etc.
- Other Precautions:** None

8 - PERSONAL PROTECTION / EXPOSURE CONTROLS

- Exposure Guidelines:** Fibre dust should be considered a nuisance dust, i.e. particulates (not otherwise classified): ACGIH Threshold Limit
- Value:** 10 mg/m³ total dust; 3-mg/m³ respirable dust OSHA
- Permissible Exposure Limit:** 15 mg/m³ total dust; 5-mg/m³ respirable dust
- Engineering Controls:** Local exhaust recommended reducing exposure to Fibre dust.
- Personal Protective Equipment:** For operations where inhalation exposure can occur, a NIOSH approved dust mask/respirator is recommended.
- Eye:** For operations where eye contact can occur, eye Protection such as goggles or safety glasses is recommended.
- Hand:** Protective gloves not required.
- Skin/Other:** Not required.
- Work/Hygienic Practices:** Maintain good housekeeping to control dust accumulations. Avoid the use of air jets to blow off equipment; use vacuums instead.

9 – PHYSICAL & CHEMICAL PROPERTIES

- Color :** Translucent to White
- Flash Point :** >329OC
- Solubility :** Insoluble
- Partition Coefficient :** No data available
- Odor :** Slight Waxy Odor

Auto-Ignition Temp :	>357OC
Vapor Pressure :	Does not apply
Melting Point/Range :	130-167OC
Density :	0.89-0.94 g/cm ³
Danger of explosion :	Product is not explosive.
Additional Information :	Soluble in boiling, aromatic chlorinated solvents

10 - STABILITY & REACTIVITY

Chemical Stability:	Stable under normal use conditions for shock, vibration, pressure of temperature.
Hazardous Polymerization:	Not likely to occur.
Chemical stability-Conditions to Avoid:	Avoid strong oxidizing agents, avoid processing over 300OC.
Dangerous products of decomposition:	None anticipated under normal or recommended handling and storage conditions. At elevated temperature the material will begin to decompose producing fumes that can contain CO ₂ , CO, Ketones & Aldehydes.

11 - TOXICOLOGICAL INFORMATION

Acute Toxicity:

Primary irritant effect:

- on the skin: No irritant effect.
- on the eye: No irritant effect.
- Sensitization: No sensitizing effect known.

Medical Conditions Aggravated by Exposure:	Some individuals, e.g. with asthma or bronchitis, are likely to be intolerant of high concentrations of airborne Fibres or Fibre dust when processing.
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12 – ECOLOGICAL INFORMATION

Information about elimination

Other information: The product is not biodegradable.

13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dispose of in accordance with all applicable governmental regulations for nonhazardous solid waste. Disposal via septic or sewage systems is not recommended. Recycling of corrugated Packaging is encouraged where possible. Other packaging may be disposed of with product. Standard disposal containers are acceptable.

14 – TRANSPORT INFORMATION

Proper Shipping Name: Polypropylene Staple Fibres

Additional information: Not regulated as a dangerous goods for transportation.

HTC Number: 5503.40

15 – REGULATORY INFORMATION

National regulations, other regulations, limitations & prohibitive regulations:

Polypropylene fibre manufactured by FIBREZONE shall meet the requirement stipulated in IS: 10910 on “Specification for Polypropylene and its copolymer for safe use in contact with foodstuff, Pharmaceuticals & Drinking Water”.

Additives incorporated in this grade conform to the positive list of constituents as prescribed in IS: 10909.

The product & additives incorporated in it also comply with FDA: CFR Title 21.177.1520 Olefin Polymer.

16 – OTHER INFORMATION

The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in on junctions with the product. They are not to be interpreted as a warranty for specific product characteristics. FIBREZONE takes no responsibility for inappropriate use, processing and handling by purchasers and users of the product.

