



# **KALYANI POLYMERS PVT LTD**



## **MATERIAL SAFETY DATA SHEET**

Version: 03

Revised: 01/08/2020

### **01. PRODUCT AND COMPANY INFORMATION**

Product Name: **FIBERCRETE**

Chemical Name: **Polypropylene**

Company Information:

**M/s Kalyani Polymers Pvt Ltd**

No. 46/1, 11KM Off Kanakapura Road

Doddakallasandra,

Bangalore – 560062

Karnataka, India.

Ph: +91 80 40991198/26661303

### **02. HAZARDOUS IDENTIFICATION**

**FIBERCRETE** is not classified as toxic, harmful, irritant or corrosive product as it's a Polypropylene Homopolymer.

**Eye contact:** The product may contain small particles that may cause eyes irritation, due to the mechanical action. Gaseous emissions released while burning or processing, may cause eyes irritation/redness.

**Skin contact:** The product may contain small particles that may cause irritation. The contact with burnt Fibers causes thermal burns.

**Ingestion:** The product presents minimal toxicity. No hazard anticipated from swallowing incidental small amounts, however accidental consumption should be reported to a medical facility.

**Inhalation:** In normal concentrations, polymer dust induces no health effects, except nose and throat mechanical irritation. Excessive exposure at high concentrations may cause coughing and breathing difficulties. The product is not volatile at room temperature. Gaseous emissions released while burning / being processed may cause nose and breathing tract irritation.

### **03. FIRST AID MEASURES**

**Eye contact:** Flush with plenty of water for several minutes. Remove large particles. In case the irritation persists, get medical attention.

**Skin contact:** Powder- flush with water and soap for several minutes. In case the irritation persists, get medical attention. Molten polymer – if molten material comes in contact with the skin, cool under ice water or a running stream of water, in any case not with ice. Cover the affected area with clean cotton sheet or gauze. Do not attempt to remove the material from skin; it could result severe tissue damage. Get medical attention.

**Ingestion:** not applicable

**Inhalation:** In case typical symptoms occur, remove the victim to fresh air. Get medical attention if symptoms persist.

## 04. FIRE FIGHTING MEASURES

**Flashpoint:** > 300°C

**Auto ignition temperature:** > 400 °C

**Ignition conditions:** **FIBERCRETE** is a combustible substance but under normal housekeeping conditions there is no risk of ignition. In contact with a flame it becomes soft, flows, ignites and burns with a light flame till exhausting (if it isn't stabilized with a flame retardant agent). In foliated form it ignites easily. Static electricity accumulated during handling/storage, may constitute an ignition source in case a high dust concentration exists.

**Toxic combustion products:** Carbon mono and dioxide, other oxidation organic compounds. In case of burning without sufficient oxygen, a black, dense smoke is released also due to paper tube center.

**Extinguishing media:** Small fire: dry chemicals, water, and carbon dioxide. Large fires: large quantities of water spray.

**Fire fighting procedures:** Keep people away. Isolate fire area and deny unnecessary access. Cool the area with water to localize the fire. Soak with water to cool and to avoid re-ignition.

**Protective equipment for fire fighters:** Complete fire fighting clothing, self-contained breathing apparatus. In case these are not available, fire extinguishing has to be done from a safe distance or a protected location.

**Explosion hazard:** The product which is delivered has no explosive character.

## 05. ACCIDENTAL RELEASE MEASURES

Spill and Leak Procedures: Broken pieces, cuttings, or other debris should be swept or vacuumed.

## 06. STORAGE

Store **FIBERCRETE** in dark, dry and well-ventilated area, away from all heat and ignition sources (sparks, open flames or hot surfaces, welding operations), combustible materials or incompatible substances (strong oxidants agents as perchloric acid, nitric acid and fluorine) **Temperature in the storage area shall not exceed 50 C.** While storing the products handle it carefully to avoid miss handling accidents.

## 07. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Eyes and hands protection:** Safety glasses for handling at ambient temperature. Thermal resistant gloves, arm protection and goggles/face shield in case of possible contact with melting product.

**Skin and body protection:** In case of polymer handling or processing at elevated temperatures or in a molten state, adequate protective equipment will be used over the skin, to prevent contact. The Yarns /Tapes should not get entangled in Hair / Body etc and can cause scratches & cuts.

**Respiratory protection:** For most conditions, no special respiratory protection is necessary.

## 08. PHYSICAL AND CHEMICAL PROPERTIES

Material:	Polypropylene
Color:	Natural
Specific Gravity:	0.91
Dispersion Chemical Coating:	2 ± 0.5 %
Melting Point:	165 Deg C
Acid & Alkali Resistance:	Excellent
Water Absorption:	Negligible
Electrical Conductivity:	Low

## 09. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Incompatibilities:	None reasonably foreseeable
Decomposition Products:	Via incomplete combustion only (see Section III)
Polymerization:	Will not occur
Conditions to avoid:	Excessive temperatures, sparks or open flames.

## 10. TOXICOLOGICAL INFORMATION

Local effects: Unknown Sensibility

Chronic toxicity: Unknown Cancer

Hazard: Not established

ROHS Hazard: None

## 11. ECOLOGICAL INFORMATION

**FIBERCRETE** is not bio degradable. It is recyclable.

## 12. DISPOSAL CONSIDERATIONS

**Wastes Disposal:** **FIBERCRETE** wastes are recyclable materials. It is preferably that production rejects and production wastes are recycled instead of being disposed. Disposal of any wastes should observe all national and local valid regulations.

**In case it is Land filled:** **FIBERCRETE** is inert, does not degrade quickly, form a strong and permanent soil base and does not release gases or other compounds known to pollute water resources.

## 13. OTHER INFORMATION

The information presented in this MSDS was obtained from sources which KPPL believes are reliable; however, the information is provided without any representation or warranty, expressed or implied, regarding accuracy or correctness.

This level of Personal Protective Equipment would be required only if the product is used in a manner that could generate particulates, for example, dust (See Section 2). If not, then no Personal Protective Equipment would be required.

## 14. WARRANTY

If the goods are stored as per point 6 (Storage), then products expiry will be 1 Year only.

### **DISCLAIMER:**

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