



MATERIAL SAFETY DATA SHEET

[1] MANUFACTURER / SUPPLIER

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[2] PRODUCT

Product Name : TWISTED YARNS

Chemical Name : Polypropylene

[3] HAZARDOUS IDENTIFICATION

TWISTED YARNS are not classified as toxic, harmful, irritant or corrosive product as it's a Polypropylene Homopolymer.

Eye contact : Particulate may scratch eye surfaces or cause mechanical irritation.

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 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 or being processed may cause nose and breathing tract irritation.

[4] 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 : In case of adverse exposure to hot material, immediately immerse in or flush the affected area with large amount of cold water to dissipate heat. Cover with clean cotton sheeting and get prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing. As the damaged flesh can be easily torn.

Ingestion : Not applicable

Inhalation : In case of adverse exposure to vapours formed at elevated temperatures, immediately remove the affected victim from exposure. Administrator artificial respiration, if breathing is stopped. Keep at rest, call for prompt medical attention.

[5] FIRE FIGHTING MEASURES

Flashpoint : > 300 °C

Auto ignition temperature : > 400 °C

Ignition conditions : TWISTED YARNS are combustible substance but under normal house keeping 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 or 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 Fire : 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.

Equipments for firefighters : Complete fire fighting clothing, self-contained breathing apparatus. In case these are not available, fire extinguishing has to be done from a safe distance.

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

[6] ACCIDENTAL RELEASE MEASURES

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

[7] HANDLING AND STORAGE

Store **TWISTED YARNS** 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.

[8] EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eyes and Hands Protection : Safety glasses for handling at ambient temperature. Thermal resistant gloves, arm protection and goggles or 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 or Tapes should not get entangled in Hair or Body etc and can cause scratches & cuts.

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

[9] STABILITY AND REACTIVITY

Chemical Stability : Stable
Decomposition Products : Via incomplete combustion only
Polymerization : Will not occur
Conditions to avoid : Excessive temperatures, sparks or open flames

[10] PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear / Colour
Odour : No odour
Boiling Point (°F) : N/A
Specific Gravity : 0.90 to 0.96
Melting Point : 160 °C
Water Absorption : Nil
Evaporation Rate : N/A
Vapour Pressure (mm Hg) : N/A
Vapour Density (Air=1) : N/A

[11] TOXICOLOGICAL INFORMATION

Local Effects : Unknown Sensibility
Chronic Toxicity : Unknown
Cancer Hazard : Not established
ROHS Hazard : None

[12] ECOLOGICAL INFORMATION

TWISTED YARNS are not Bio - Degradable. It is recyclable.

[13] DISPOSAL CONSIDERATIONS

Wastes Disposal : **TWISTED YARNS** 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.

Land Disposal : **TWISTED YARNS** are 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.

[14] TRANSPORT INFORMATION *NOT REGULATED

TWISTED YARNS are not dangerous to transport in all mode of transports.

[15] WARRANTY

If the goods are stored as per storage condition, then products expiry will be 1 Year only.

[16] DISCLAIMER

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 and we confirm that our product is adhering to REACH and ROHS standards.