

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Polypropylene Filament "Pylon"

Manufacturer's Name: MRC Pylon Co., Ltd.

Department: Technology Department

Address: 7-10,2-chome, hikochou, izumi-shi, Osaka-fu, 594-0076,JAPAN

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DATE PREPARED: 3 0 J a n . 2 0 0 7

MSDS NO.: 1 5 3

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name : Polypropylene homopolymer

Formula : $(CH_2CHCH_3)_n$

CAS Number:9003-07-0

Substance:

Finishing Oil:0-2.5wt% (Based on Dry Fiber)

Pigment:0-2.0wt% (Based on Dry Fiber)

Stabilizer:0-4.0wt% (Based on Dry Fiber)

3. HAZARD IDENTIFICATION

There are no known Physical or Health Hazards associated with this Product.

4. FIRST AID MEASURES

EYE CONTACT:

Flush immediately with large amounts of water for at least 15 minutes.

Get medical attention.

SKIN CONTACT: Not applicable

INGESTION: Immediately vomit

INHALATION: Immediately blow nose and rinse mouth.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Usual extinguishing such as CO₂, Dry chemical, Water spray can be used.

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should protect themselves from thermal decomposition products such as Acrolein and oxides of carbon and nitrogen etc.

Wear approved self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE EXPLOSION HAZARDS:

Processing on high-speed equipment can generate sufficient "fines" to present a dust explosion hazard. If fiber is ignited, an exothermic reaction can occur in the presence of oxygen with evolution of hazardous materials.

6. ACCIDENTAL RELEASE MEASURES

Vacuum or sweep up the material and place in container for disposal.

7. HANDLING AND STORAGE

HANDLING:

When handling package, use lifter and be careful to load sifting. Keep the filament at normal temperature and normal humidity when the filaments are use.

STORAGE:

Take care not to drop the package. Keep away from high temp and high humidity. Store out of direct sunlight or direct water.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Do not open the package without protection glove.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Filament

Color : Various color (Solution dyeing)

Odor: odorless

Flash Point: 400°C

Boiling Point: Not Applicable

Vapor Pressure: Not Applicable

Melting Point: 150~170°C

Decomposition Point: Above ca. 320°C

Specific Gravity: 0.91g/cm³

Solubility in Water: Insoluble

Solubility in Solvent: unknown

10. STABILITY AND REACTIVITY

STABILITY: Stable in Normal Conditions.

HAZARDOUS DECOMPOSITION PRODUCT:

Not Applicable in Normal Conditions

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY: Not Applicable

LOCAL EFFECT:

Skin Causticity: Not Applicable

Skin or Eye Irritation: Not Applicable

CARCINOGEN: Not Applicable

12. ECOLOGICAL INFORMATION

Biodegradability: Stable at room temperature.

13. DISPOSAL CONSIDERATION

Burn in approved incinerator with all applicable law and regulations.

14. TRANSPORT INFORMATION

Not classified as a hazardous material for transporting.

Keep away a high temperature/ high humidity and low temperature/ dew condensation

Keep away from ignition sources.

Keep dry and pay attention to load sifting.

15. REGULATORY INFORMATION

Not Applicable

<NOTES>

The information contained herein is based on current knowledge and experience. We don't suggest or guarantee that any hazards listed herein are the only ones which exist. Final determination as to the suitability of any material shall be made on user's sole responsibility. Users should review any recommendations in the specific context of intended use to determine whether they are appropriate. Users must meet all applicable safety and health standards.