



MATERIAL SAFETY DATA SHEET

Product: Monofilament produced from polyester PET resin

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAMES: IP-120, IP-320, PI-1029, PX-111-5, PX-132, PX-140, PX-141, PX-200, PX-224, PX-301, PX-334, PX-325, PX-351, PX-1015, PX-1021, WP-4, WP-89, WP-104, WP-120, WP-200, WP-220, WP-320, WP-804, WP-807, ITP-120.

PRODUCT USE: For fabrication into paper machine cloth and other industrial products

MANUFACTURER: Jarden Applied Materials
6111 Shakespeare Road
Columbia, South Carolina 29223
Telephone: 803-754-7011
FAX: 803-754-7991

EMERGENCY PHONE NUMBER: 1-800-535-5035 INFOTRAC

2. COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME: | Weight (%) | CAS NUMBER |
|----------------------------|-------------------|-------------------|
| polyethylene terephthalate | > 99 | 25038-59-9 |
| titanium dioxide | < 1 | 13463-67-7 |

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Synthetic plastic fiber with slight characteristic odor. Fiber is not considered hazardous at ambient conditions.

Potential Health Effects:

Eyes: Product fines can cause mechanical irritation; eyes should be washed out immediately with water

Skin: Mechanical irritation may occur from particles

Inhalation: If large amounts of dust are inhaled, move to fresh air. Get medical attention if symptoms persist

Ingestion: Not likely to be hazardous

Ingredients found on one of the OSHA/WHIMS designated carcinogen lists are provided below:

INGREDIENT NAME:

NTP STATUS

None

IARC STATUS

None

OSHA LIST

None

ACGIH STATUS

None

4. FIRST AID MEASURES

Skin: Not likely to be hazardous

Eyes: If irritated, flush with plenty of water; Seek medical attention if condition persists

Inhalation: Remove to fresh air; seek medical attention if condition persists

Ingestion: Material is not expected to be absorbed from gastrointestinal tract

Advice to physician: This product is essentially inert and non toxic. .

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

| | |
|---|--|
| Flash Point: | Non volatile; combustible solid |
| Flash Point Method: | Not applicable |
| Auto-ignition Temperature: | Not determined |
| Upper Flame Limit (volume % in air): | Not applicable |
| Lower Flame Limit (volume % in air): | Not applicable |
| Flame Propagation Rate (solids): | Not applicable |
| OSHA Flammability Class: | Not applicable; solid material |
| Extinguishing Media: | Use water spray, dry chemical, foam, or carbon dioxide |

Fire fighters should wear self contained breathing apparatus (SCBA)..

6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR OTHER RELEASE (always wear recommended personal protective equipment): Sweep or vacuum material and place in container for proper disposal.

No special precautionary measures should be needed under anticipated conditions of use.

7. HANDLING AND STORAGE

Normal Handling (Always wear recommended personal protective equipment): Avoid processing material above recommended thermal processing temperature. Read product technical data sheet before use, or contact technical service representative for specific advice. Avoid inhalation and/or skin contact with product dust. Avoid dust in contact with eyes.

Use local exhaust ventilation at all emission points. Wash thoroughly after handling.

Storage Recommendations: To maintain product quality, store in cool, dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Good manufacturing practice and good industrial hygiene practice recommend the use of local exhaust ventilation at process emission points.

Personal Protective Equipment:

Skin Protection: Wear gloves when handling fiber. Wash hands after use.

Eye Protection: Wear safety glasses with side shields as a minimum.

Respiratory Protection: If dusty conditions exist, use a mechanical filter respiratory approved by NIOSH.

Additional recommendations:

Exposure Guidelines: Operators performing grinding and machining of product should be reviewed to assure particulate levels are kept below recommended standards.

| <u>Ingredient Name:</u> | <u>ACGIH TLV</u> | <u>OSHA PEL</u> | <u>AEL (DuPont)</u> |
|--------------------------------|-------------------------|------------------------|----------------------------------|
| Total dust | Not established | Not established | 10 mg/m ³ , 8 Hr. TWA |
| Respirable dust | | | 5 mg/m ³ , 8 Hr. TWA |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-----------------------------|-----------------|
| Appearance: | Filament |
| Physical State: | Solid |
| Odor: | None |
| Specific Gravity: | 1.3- 1.4 |
| Solubility in Water: | Insoluble |
| pH: | Not Applicable |
| Boiling Point: | Not Applicable |
| Melting Point: | 215 - 275 deg C |
| Vapor Pressure: | negligible |
| Evaporation Rate: | Not Applicable |
| % Volatile: | Not applicable |
| Flash Point: | Not Applicable |
| Color: | White |

10. STABILITY AND REACTIVITY

Normally Stable (Conditions to Avoid): Product is stable under ordinary conditions of use and storage. Avoid exposure to open flame or temperatures exceeding optimum operating temperatures. Consult technical service personnel for recommended processing conditions.

Incompatibilities: None known

Hazardous Decomposition Products: formaldehyde, ethanol, methanol, acetic acid, and acetone

Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

Immediate (Acute) Effects: Low hazard for usual industrial handling

Delayed (Subchronic and Chronic) Effects: No specific information available

Other Data: Not listed as a carcinogen

12. ECOLOGICAL INFORMATION

No ecotoxicological information is available for this product. These products are not considered degradable or toxic in terms of their physical impact. Material is expected to have low aquatic toxicity because of its insolubility in water.

13. DISPOSAL CONSIDERATIONS

Is the unused product a RCRA hazardous waste if discarded? No

If yes, the RCRA ID number: Not Applicable

Other Disposal considerations: Preferred options for disposal are recycle, incineration with energy recovery and landfill. Treatment, storage, transportation, and disposal of product must comply with applicable federal, state, and local disposal laws or regulations.

14. TRANSPORTATION INFORMATION

US DOT (Department of Transportation): Not Regulated

Canadian TDG (Transportation of Dangerous Goods): Not Regulated

15. REGULATORY INFORMATION

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

TOXIC SUBSTANCES CONTROL ACT (TSCA):

TSCA INVENTORY STATUS: All components are listed on the TSCA Inventory or are exempt under PMN regulations.

OTHER TSCA ISSUES: None

US FOOD AND DRUG ADMINISTRATION (FDA): Not Applicable

SARA TITLE III/CERCLA:

SARA/CERCLA HAZARDOUS SUBSTANCES:

Reportable Quantities (RQ) and/or "Threshold Planning Quantities (TPQs) do not exist for this product.

16. OTHER INFORMATION

CHANGES TO MSDS FROM PREVIOUS ISSUE DATE ARE DUE TO THE FOLLOWING:

Add new product (PX-351)

NATIONAL FIRE PROTECTION AGENCY (NFPA) AND NATIONAL PAINT AND COATINGS ASSOCIATION (NPCA) RATING CLASSIFICATION:

| | <u>NFPA</u> | <u>HMIS</u> |
|--------------|-------------|-------------|
| Health | 0 | 0 |
| Flammability | 1 | 1 |
| Reactivity | 0 | 0 |

Disclaimer: This product is NOT intended for use in medical implants.

The information contained herein is presented in good faith and is accurate to the best of our knowledge. Jarden can not guarantee that any hazards listed herein are the only ones which may exist. Jarden makes no warranty of any kind, expressed or implied, concerning the safe use of this material in your process or in combination with other substances. User has the sole responsibility to determine the suitability of the material for their use. User must meet all applicable safety and health standards.

Refer to the appropriate Jarden bulletin for specific processing guide lines and good manufacturing practices.

CURRENT ISSUE DATE: 21 April 2008
PREVIOUS ISSUE DATE: 14 April 2008
PREPARED BY: Billy Morris
Safety/Environmental Coordinator
803-754-7011