



MATERIAL SAFETY DATA SHEET

Product: Monofilament produced from stabilized copolyester resin

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: HPP-56

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

MANUFACTURER: Jarden Applied Materials and Specialty Polymers
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
copolyester	95 - 97	036487-02-2
heat stabilizer	2 - 3	-----
hydrolytic stabilizer	1 - 2	2162-74-5

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Synthetic plastic fiber with slight aromatic odor.
Fiber is not considered hazardous at ambient conditions. Toxic vapors can be generated if heated above 177 deg C.

Potential Health Effects:

Eyes: Vapors can be irritating

Skin: Vapors can cause reddening, swelling, rash, or blistering

Inhalation: Vapors may be irritating to respiratory tract

Ingestion: May be irritating to gastro-intestinal tract if swallowed

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: If irritated, wash with soap and water; remove contaminated clothing

Eyes: If irritated, flush with water for at least 15 minutes ; Seek medical attention if condition persists

Inhalation: Remove to fresh air; Administer oxygen if breathing becomes difficult; Seek medical attention

if condition persists

Ingestion: Do not induce vomiting; Give water or milk to drink

Advice to physician: May be a skin sensitizer; Treat symptomatically as for contact dermatitis or thermal burns

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash Point: not applicable, 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, foam or dry chemical

Fire fighters should wear full protective equipment including 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 of vapor 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: Cover as much of skin area as possible; Wear gloves when handling fiber. Wash hands

after use.

Eye Protection: Wear safety glasses with side shields as a minimum; Do not wear contact lens

Respiratory Protection: Ventilation should be provided during processing; If dusty conditions exist, use a mechanical filter respirator 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>
Polymer dust	Not established	Not established	NA

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Filament
Physical State:	Solid
Odor:	Slight characteristic odor
Specific Gravity:	1.2
Solubility in Water:	Insoluble
pH:	Not Applicable
Boiling Point:	Not Applicable
Melting Point:	285 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: hydrogen sulfide, sulphur dioxide, carbon dioxide, carbon monoxide, carbodiimide vapors, carbamates, diisopropylphenyl diisocyanate (DIPI)

Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

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

Delayed (Sub-Chronic and Chronic) Effects: No specific information available

Other Data:

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. **Do not heat or cut material with a gas torch.**

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:

Changed Company Name and logo.

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

	<u>NFPA</u>	<u>HMIS</u>
Health	2	2
Flammability	1	1
Reactivity	0	1

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 Applied Materials can not guarantee that any hazards listed herein are the only ones which may exist. Jarden Applied Materials 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 Applied Materials bulletin for specific processing guide lines and good manufacturing practices.

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PREPARED BY: Billy Morris
803-754-7011