



FIBRE GLAST DEVELOPMENTS CORP.
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Rev 03/08

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**FOR CHEMICAL EMERGENCY
CALL (800) 424-9300 24 HRS.**

SECTION 1 - PRODUCT IDENTIFICATION

PRODUCT: PART #585 Low Temperature Release Film

TRADE NAME AND SYNONYMS: Polyamide Nylon, LTF 603

PRODUCT USE: Plastic Film

SECTION 2 – COMPOSTION/INFORMATION ON INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
Nylon 6	25038-54-4	80-85
Modified Polyethylene	Trade Secret	12-18
Colorants	Not Available	0-2
Caprolactam	105-60-2	0-1

Trace impurities and additional material names not listed above may also appear in Section 15 towards the end of the MSDS. These materials may be listed for local Right-To-Know compliance and for other reasons.

SECTION 3 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: A clear or colored plastic film. Not considered hazardous under normal usage. Can release irritating and/or toxic vapors at elevated processing temperatures or if involved in a fire.

POTENTIAL HEALTH HAZARDS

SKIN: Not considered hazardous.

EYES: Not considered hazardous. This product may cause mechanical irritation if film comes into contact with eye.

INHALATION: Not a route of exposure under normal usage. Elevated processing temperatures may release irritating vapors.

INGESTION: Not a route of exposure. Not considered hazardous.

DELAYED EFFECTS: None known

Ingredients found on one of the OSHA designated carcinogen lists are listed below.

<u>INGREDIENT NAME</u>	<u>NTP STATUS</u>	<u>IARC STATUS</u>	<u>OSHA LIST</u>
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No ingredients in this section.

SECTION 4 – FIRST AID MEASURES

SKIN: None needed.

EYES: None needed under normal usage. If material comes into contact with eye, flush eyes with water while holding eyelids apart to ensure complete irrigation.

INHALATION: None needed under normal usage. If exposed to vapors at elevated processing temperatures, remove to fresh air.

INGESTION: None needed.

ADVICE TO PHYSICIAN: None

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

FLASH POINT: Not applicable

FLASH POINT METHOD: Not applicable.
AUTOIGNITION TEMPERATURE: Not determined.
UPPER FLAME LIMIT (volume % in air): Not applicable. Non-volatile solid.
LOWER FLAME LIMIT (volume % in air): Not applicable. Non-volatile solid.
FLAME PROPAGATION RATE (solids): Not determined.
OSHA FLAMMABILITY CLASS: Not determined.

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, foam, water or other agents as appropriate for materials in surrounding fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Molten film at higher temperatures can ignite and will burn.

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:

Wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus and full protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR OTHER RELEASE: (Always wear recommended personal protective equipment.) Collect and place in a solid waste container.

Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.

SECTION 7 – HANDLING AND STORAGE

NORMAL HANDLING: (Always wear recommended personal protective equipment.) Use normal personal hygiene and good housekeeping.

STORAGE RECOMMENDATIONS: Store in a cool, dry area, away from direct heat or sunlight.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROL: You will need general room ventilation plus local exhaust at points of fume generations to maintain exposure below the PEL/TLV exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

SKIN PROTECTION:

Not normally required. Use heat resistant gloves if handling melted material.

EYE PROTECTION:

As a general practice in manufacturing areas, safety glasses that conform to ANSI Z87.1 should be worn.

RESPIRATORY PROTECTION:

Under normal usage, not normally required. A NIOSH/MSHA approved respirator should be worn in areas where the PEL/TLV is exceeded.

ADDITIONAL RECOMMENDATIONS:

None.

EXPOSURE GUIDELINES

INGREDIENT NAME

Caprolactam (vapor)

ACGIH TLV

TWA = 5ppm(23 mg/m³)

STEL = 10 ppm(46 mg/m³)

OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS:

None.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear or colored plastic film.

PHSICAL STATE: Solid.

ODOR: None.

SPECIFIC GRAVITY (water = 1.0): 1.13 – 1.14

SOLUBILITY IN WATER (weight %): Negligible.

pH: Not applicable

BOILING POINT: Not applicable.

MELTING POINT: 420-485 °F (215-250 °C)

VAPOR PRESSURE: Negligible at room temperature.

VAPOR DENSITY (air = 1.0): Not determined.

EVAPORATION RATE: Not determined.

COMPARED TO: Not applicable.

% VOLATILES: Negligible

FLASH POINT: Not applicable.

(Flash point method and additional flammability data are found in Section 5.)

SECTION 10 – STABILITY AND CHEMICAL PROPERTIES

NORMALLY STABLE? (CONDITIONS TO AVOID):

Normally stable. Avoid exposure to open flame or temperatures exceeding recommended processing temperatures. The maximum temperature to which the film can be exposed will vary with exposure (dwell) time. Honeywell should be contacted if questions arise concerning specific processing conditions.

OSHA PEL**OTHER LIMIT**

TWA=5ppm(20 mg/m³)

N/A

STEL=10ppm(40 mg/m³)

INCOMPATIBILITIES:

Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition products may include caprolactam, ammonia, hydrogen cyanide, carbon monoxide, carbon dioxide and combustion by-products (oxidized and non-oxidized hydrocarbons).

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

IMMEDIATE (ACUTE) EFFECTS:

Not determined.

DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS:

None known.

OTHER DATA:

None.

SECTION 12 – ECOLOGICAL INFORMATION

Material is considered inert and not expected to be biodegradable or toxic.

SECTION 13 – DISPOSAL CONSIDERATIONS

Is the unused product a RCRA hazardous waste if discarded? No.
If yes, the RCRA ID number is: Not applicable.

OTHER DISPOSAL CONSIDERATIONS:

Dispose of in compliance with Federal, state and local government regulations.
Usually considered an inert packaging material that can be recycled or landfilled.

The information offered here is for the product as shipped. Use and /or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

SECTION 14 – TRANSPORT INFORMATION

US DOT HAZARD CLASS: Not regulated. **US**

US DOT ID NUMBER: Not applicable.

For additional information on shipping regulations affecting this material, contact the information number found in Section 1.

SECTION 15 – REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA)

TSCA INVENTORY STATUS: All components are listed on the TSCA Inventory.

OTHER TSCA ISSUES: None.

SARA TITLE III/CERCLA

"Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

SECTION 16 – OTHER INFORMATION

OTHER INFORMATION: None.

SECTION 17 - COMMENTS

The information accumulated herein is believed to be accurate but is not warranted to be, whether originating with Fibre Glast Developments Corporation or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.