GHS SAFETY DATA SHEET (SDS)

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Part #1782 High Temperature Release Film

FIBRE GLAST DEVELOPMENTS CORP.
385 CARR DRIVE
BROOKVILLE, OH 45309

TELEPHONE: (937) 833-5200
FAX: (937) 833-6555
FOR CHEMICAL EMERGENCY CALL (800) 424-9300 24 HRS.

RECOMMENDED USE: High elongation FEP Fluorocarbon Release Film for Standard Composite Manufacturing

SECTION 2 –HAZARDS IDENTIFICATION

GHS CLASSIFICATION

This product is an FEP film. According to Directives 67/548/EEC and 1999/45/EC, it is not classified as hazardous to humans and the environment in its normal state.

GHS Label Element

Hazard pictograms : N/A

Signal word : N/A

Hazard statements : N/A

Precautionary statements : N/A

Route of Entry	**:** Skin and eye contact
Target Organs	**:** None
Inhalation	**:** Not anticipated under recommended usage conditions
Skin Contact	**:** Not anticipated under recommended usage conditions
Eye Contact	**:** Not anticipated under recommended usage conditions
Ingestion	**:** Not anticipated under recommended usage conditions
Carcinogenic Status	**:** Not considered carcinogenic in its normal state by NTP, IARC, and OSHA

SECTION 3 –COMPOSITION/ INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS:

Ingredient Name	**CAS #**	**% of Ingredient**
FEP Copolymer (Fluorinated Ethylene Propylene Copolymer)	25067-11-2	>99%

This product as supplied is not considered hazardous as defined in the US Code of Federal Regulations, 29CFR 1910.1200. This product is considered an article as supplied for its intended and foreseen use.

All components appear on TSCA Inventory. This product contains no substances at or above the reporting threshold under Section 313 of Title III of the US EPA Superfund Amendments and Reauthorization Act of 1986 and US Code of Federal Regulations, 40CFR part 372, based on available data.

SECTION 4 – FIRST AID MEASURES

Inhalation: Not anticipated under recommended usage conditions. May cause influenza like symptoms if thermal decomposition products are inhaled ("polymer fume0fever") chills, fever, and headaches. Avoid contamination of tobacco products. Remove victim to fresh air. If not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Skin Contact: Not anticipated under recommended usage conditions. For hot product, immediately immerse in or flush affected area large amounts of cold water. Cover with clean cotton sheeting or gauze and seek medical advice.

Eye Contact: Not anticipated under recommended usage conditions. If necessary, flush eyes with plenty of water. If symptoms persist or injury is suspected, seek medical advice.

Ingestion: Not anticipated under recommended usage conditions.

Advice to: Physicians Expect influenza=like symptoms if thermal decomposition products are inhaled: chills, fever, headache, shortness of breath, coughing. This is known as polymer fume-fever" and will pass after 24 to 48 hours providing no further exposure occurs.

SECTION 5 – FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point (Method Used): Does not flash (N/A)

Self-Ignition Temperature (ASTM D1929): Not known

UL-94 Flammability Rating: N/A

Extinguishing Method: Water, foam, dry chemical, CO2

Limiting Oxygen Index (ASTM D2863): >95

Extinguishing Media: Water, foam, Dry chemical, CO2

Special Fire Fighting Procedures:	Use self-contained breathing apparatus
Unusual Fire and Explosion Hazards:	Does not burn without external source of fuel. Fluoropolymers can increase the relative toxic properties of the gases evolved during a fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

No specific measure necessary. Prevent material from entering drains or water courses.

SECTION 7 - HANDLING AND STORAGE

Handling Precautions:	Use normal personal hygiene and good housekeeping. Avoid contamination of cigarettes or tobacco with dust from this material. Do not use a torch to clean this material from equipment without local exhaust ventilation and respirator.
Storage Requirements:	Store in a cool, dry area, away from sources of ignition. Above 230°C (446 °F), some decomposition of FEP products can be expected with evolution of gaseous and particulate products, which are toxic if inhaled. This can give rise to characteristic syndrome with influenza type symptoms known as "polymer fume"

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls:	Ensure good ventilation or exhaust if there is the possibility of fumes being evolved. Not required if the material is used within specified processing parameters.
Environmental Exposure Control:	No specific measures necessary.
Respiratory Protection:	N/A
Hand Protection:	No specific measures necessary.
Eye Protection:	No specific measures necessary.
Skin Protection:	Heat resistant clothing and skin covering when working with hot product. Do not smoke while handling material. Keep tobacco products away from sources of contamination: Hands and clothes.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent and translucent film, tubing, or rod
Physical Status:	Solid
Odor:	Odorless

pH:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Boiling Point:	N/A
Freezing/Melting Point:	260°C (500°F)
Solubility:	Insoluble
Spec. Grav./Density:	2.12-2.17
Ignition Temperature:	>500°C (932°F)

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable. Thermal degradation can begin at 230°C (446°F)
Conditions to avoid:	Will burn in atmosphere of 95% oxygen when an ignition source is present.
Materials to avoid (Incompatibility):	Reacts with molten alkali metals and interhalogen compounds.
Hazardous Decomposition Products:	Thermal decomposition will evolve hydrofluoric acid, carbonyl fluoride and other perfluoroolefins.
Hazardous Polymerization:	Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity:	Reference Section 2
Chronic Toxicity / Carcinogenicity Effects:	None known
Genotoxicity:	N/A
Reproductive / Developmental Toxicity:	N/A
Skin sensitization:	N/A
Other Data:	None

SECTION 12 - ECOLOGICAL INFORMATION

No known harmful effects on the environment

SECTION 13 - DISPOSAL CONSIDERATIONS

Clean material may be recycled. Dispose of Fluoropolymer material as a solid waste according to local regulations. Dispose of packaging as solid waste according to local regulations. It can be incinerated only if the HF effluent can be extracted from the flue gases. This information only relates to uncontaminated product. If used in a process, which contaminates product, then disposal considerations should be re-evaluated.

SECTION 14 - TRANSPORT INFORMATION

No special precautions to be aware of under 1907/2006/EC.

US DOT Hazard Class: Not regulated
US DOT ID Number: Not applicable
UN Proper Shipping Name: None
UN Class: None
UN Packaging Group: None
Marine Pollutant: Not applicable
Classification for AIR Transportation (IATA): Consult current IATA regulations prior to shipping by air.

SECTION 15 - REGULATORY INFORMATION

There is no known regulatory requirements associated with this material in the form supplied based on currently available data.

SECTION 16 – OTHER INFORMATION

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.

GHS SAFETY DATA SHEET (SDS)

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Part #1787 High Temperature Release Film, Perforated

FIBRE GLAST DEVELOPMENTS CORP.
385 CARR DRIVE
BROOKVILLE, OH 45309

TELEPHONE: (937) 833-5200
FAX: (937) 833-6555
FOR CHEMICAL EMERGENCY CALL (800) 424-9300 24 HRS.

RECOMMENDED USE: High elongation FEP Fluorocarbon Release Film for Standard Composite Manufacturing

SECTION 2 –HAZARDS IDENTIFICATION

GHS CLASSIFICATION

This product is an FEP film. According to Directives 67/548/EEC and 1999/45/EC, it is not classified as hazardous to humans and the environment in its normal state.

GHS Label Element

Hazard pictograms : N/A

Signal word : N/A

Hazard statements : N/A

Precautionary statements : N/A

Route of Entry **:** Skin and eye contact
Target Organs **:** None
Inhalation **:** Not anticipated under recommended usage conditions
Skin Contact **:** Not anticipated under recommended usage conditions
Eye Contact **:** Not anticipated under recommended usage conditions
Ingestion **:** Not anticipated under recommended usage conditions
Carcinogenic Status **:** Not considered carcinogenic in its normal state by NTP, IARC, and OSHA

SECTION 3 –COMPOSITION/ INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS:

Ingredient Name	**CAS #**	**% of Ingredient**
FEP Copolymer (Fluorinated Ethylene Propylene Copolymer)	25067-11-2	>99%

This product as supplied is not considered hazardous as defined in the US Code of Federal Regulations, 29CFR 1910.1200. This product is considered an article as supplied for its intended and foreseen use.

All components appear on TSCA Inventory. This product contains no substances at or above the reporting threshold under Section 313 of Title III of the US EPA Superfund Amendments and Reauthorization Act of 1986 and US Code of Federal Regulations, 40CFR part 372, based on available data.

SECTION 4 – FIRST AID MEASURES

Inhalation: Not anticipated under recommended usage conditions. May cause influenza like symptoms if thermal decomposition products are inhaled ("polymer fume0fever") chills, fever, and headaches. Avoid contamination of tobacco products. Remove victim to fresh air. If not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Skin Contact: Not anticipated under recommended usage conditions. For hot product, immediately immerse in or flush affected area large amounts of cold water. Cover with clean cotton sheeting or gauze and seek medical advice.

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Advice to: Physicians Expect influenza=like symptoms if thermal decomposition products are inhaled: chills, fever, headache, shortness of breath, coughing. This is known as polymer fume-fever" and will pass after 24 to 48 hours providing no further exposure occurs.

SECTION 5 – FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point (Method Used): Does not flash (N/A)

Self-Ignition Temperature (ASTM D1929): Not known

UL-94 Flammability Rating: N/A

Extinguishing Method: Water, foam, dry chemical, CO2

Limiting Oxygen Index (ASTM D2863): >95

Extinguishing Media: Water, foam, Dry chemical, CO2

Special Fire Fighting Procedures:	Use self-contained breathing apparatus
Unusual Fire and Explosion Hazards:	Does not burn without external source of fuel. Fluoropolymers can increase the relative toxic properties of the gases evolved during a fire.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

No specific measure necessary. Prevent material from entering drains or water courses.

SECTION 7 - HANDLING AND STORAGE

Handling Precautions:	Use normal personal hygiene and good housekeeping. Avoid contamination of cigarettes or tobacco with dust from this material. Do not use a torch to clean this material from equipment without local exhaust ventilation and respirator.
Storage Requirements:	Store in a cool, dry area, away from sources of ignition. Above 230°C (446 °F), some decomposition of FEP products can be expected with evolution of gaseous and particulate products, which are toxic if inhaled. This can give rise to characteristic syndrome with influenza type symptoms known as "polymer fume"

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls:	Ensure good ventilation or exhaust if there is the possibility of fumes being evolved. Not required if the material is used within specified processing parameters.
Environmental Exposure Control:	No specific measures necessary.
Respiratory Protection:	N/A
Hand Protection:	No specific measures necessary.
Eye Protection:	No specific measures necessary.
Skin Protection:	Heat resistant clothing and skin covering when working with hot product. Do not smoke while handling material. Keep tobacco products away from sources of contamination: Hands and clothes.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Transparent and translucent film, tubing, or rod
Physical Status:	Solid
Odor:	Odorless

pH:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Boiling Point:	N/A
Freezing/Melting Point:	260°C (500°F)
Solubility:	Insoluble
Spec. Grav./Density:	2.12-2.17
Ignition Temperature:	>500°C (932°F)

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable. Thermal degradation can begin at 230°C (446°F)
Conditions to avoid:	Will burn in atmosphere of 95% oxygen when an ignition source is present.
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Hazardous Decomposition Products:	Thermal decomposition will evolve hydrofluoric acid, carbonyl fluoride and other perfluoroolefins.
Hazardous Polymerization:	Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity:	Reference Section 2
Chronic Toxicity / Carcinogenicity Effects:	None known
Genotoxicity:	N/A
Reproductive / Developmental Toxicity:	N/A
Skin sensitization:	N/A
Other Data:	None

SECTION 12 - ECOLOGICAL INFORMATION

No known harmful effects on the environment

SECTION 13 - DISPOSAL CONSIDERATIONS

Clean material may be recycled. Dispose of Fluoropolymer material as a solid waste according to local regulations. Dispose of packaging as solid waste according to local regulations. It can be incinerated only if the HF effluent can be extracted from the flue gases. This information only relates to uncontaminated product. If used in a process, which contaminates product, then disposal considerations should be re-evaluated.

SECTION 14 - TRANSPORT INFORMATION

No special precautions to be aware of under 1907/2006/EC.

US DOT Hazard Class: Not regulated
US DOT ID Number: Not applicable
UN Proper Shipping Name: None
UN Class: None
UN Packaging Group: None
Marine Pollutant: Not applicable
Classification for AIR Transportation (IATA): Consult current IATA regulations prior to shipping by air.

SECTION 15 - REGULATORY INFORMATION

There is no known regulatory requirements associated with this material in the form supplied based on currently available data.

SECTION 16 – OTHER INFORMATION

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