



## GHS SAFETY DATA SHEET (SDS)

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### SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** PART # 1065 - Kevlar® Carbon Hybrid Fabric (Yellow)

FIBRE GLAST DEVELOPMENTS CORP.  
385 Carr Drive  
BROOKVILLE, OH 45309

TELEPHONE: (937) 833-5200  
FAX: (937) 833-6555  
**FOR CHEMICAL EMERGENCY  
CALL (801) 629-0667 24 HRS.**

**RECOMMENDED USE:** Fiber manufacturing, For industrial use only.

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### SECTION 2 – HAZARDS IDENTIFICATION

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**Product hazard category**  
Combustible dust

**Label content**

Pictogram	: not required
Signal word	: Warning
Hazardous warnings	: If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air
Hazardous prevention measures	: not required

**Other hazards**

The hazards of this product are associated mainly with its processing. If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

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### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

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Component	CAS-No.	Concentration
Para-aramid fiber	26125-61-1	>85%

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret

Exposure limits may be applicable for the following

Dust (inhalable and respirable fraction)		
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### SECTION 4 – FIRST AID MEASURES

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General advice	: No hazards which require special first aid measures. If symptoms persist, call a physician. If irritation occurs, flush area thoroughly with water.
Inhalation	: No applicable data available.
Skin contact	: No applicable data available.
Eye contact	: No applicable data available.
Ingestion	: No applicable data available.
Most important symptoms/effects, acute and delayed	: No applicable data available.
Protection of first-aiders	: No applicable data available.
Notes to physician	: No applicable data available.

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### SECTION 5 – FIRE FIGHTING MEASURES

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Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
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Unsuitable extinguishing media	: No applicable data available.
Specific hazards	: Hazardous decomposition products formed under fire conditions.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary.
Further information	: No applicable data available.

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel)	: None.
Environmental precautions	: Do not let product enter drains.
Spill Cleanup	: Avoid dust formation. Clean up dusts and fibres with high efficiency particulate air (HEPA) filtered vacuum equipment, or by wet cleaning.
Accidental Release Measures	: No applicable data available.

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## SECTION 7 – HANDLING AND STORAGE

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Handling (Personnel)	: Avoid dust formation. Exposure to fibre fly, dust and decomposition products of spinfinishes should be avoided by ventilation and/or vacuum cleaning. High concentrations of dust can irritate eyes, nose and respiratory system and cause coughing and sneezing. Continual rubbing of fibre particulates and dust on the skin can cause a transitory, mild irritation with redness or itching. Do not touch moving threadlines. Entanglement with this fibre can severely cut or even sever fingers. Avoid breathing dust.
Handling (Physical Aspects)	: No applicable data available.
Dust explosion class	: No applicable data available.
Storage	: Keep away from direct sunlight.

Storage period	: No applicable data available.
Storage temperature	: No applicable data available.

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## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

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Engineering controls	: Ensure adequate ventilation. Recirculated air should be filtered to remove respirable dust. Provide for appropriate exhaust ventilation and dust collection at machinery. Static charges can cause explosions in solvent and dust laden atmospheres. Provide grounding of equipment to prevent static build-up.
Personal protective equipment	
Respiratory protection	: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Eye protection	: Safety glasses with side-shields
Exposure Guidelines	
Exposure Limit Values	

Para-aramid			
AEL *	(DuPont)	2 RFP/cc	8 & 12 hr. TWA Respirable fibers.
AEL *	(DuPont)	5 mg/m3	8 & 12 hr. TWA Non-fibrous particulate and/or non-respirable fibres.

Dust (inhalable and respirable fraction)			
PEL (Permissible Exposure Limit)	(OSHA)	50 Million particles per cubic foot	TWA total dust
PEL (Permissible Exposure Limit)	(OSHA)	15 mg/m3	TWA total dust
PEL (Permissible Exposure Limit)	(OSHA)	5 mg/m3	TWA respirable fraction
PEL (Permissible Exposure Limit)	(OSHA)	15 Million particles per cubic foot	TWA respirable fraction
TLV	(ACGIH)	3 mg/m3	TWA Respirable particulate matter
TLV	(ACGIH)	10 mg/m3	TWA Inhalable particulate matter

\* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	
Physical state	: solid
Form	: Nonwoven fabric, woven fabric, fibres, yarn
Color	: various

Odor	: odourless
Odor threshold	: No applicable data available.
pH	: No applicable data available
Melting point/freezing point	: Melting point/range Not applicable
Boiling point/boiling range	: Boiling point/boiling range Not applicable
Flash point	: Not applicable
Evaporation rate	: No applicable data available.
Flammability (solid, gas)	: May form combustible dust concentrations in air during processing, handling or other means.
Upper explosion limit	: No applicable data available.
Lower explosion limit	: No applicable data available.
Vapour Pressure	: No applicable data available.
Vapour density	: No applicable data available.
Specific gravity (Relative density)	: 1.44 - 1.45 at 20 °C (68 °F)
Water solubility	: insoluble
Solubility(ies)	: No applicable data available.
Partition coefficient: n-octanol/water	: No applicable data available.
Auto-ignition temperature	: No applicable data available.
Ignition temperature	: does not ignite
Decomposition temperature	: > 300 °C
Viscosity, kinematic	: No applicable data available.
Viscosity, dynamic	: No applicable data available.

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## SECTION 10 – STABILITY AND REACTIVITY

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Reactivity	: No applicable data available.
Chemical stability	: No applicable data available.
Possibility of hazardous reactions	: No applicable data available.

Conditions to avoid	: No applicable data available.
Incompatible materials	: Strong acids and strong bases
Hazardous decomposition products	: Hazardous thermal decomposition products:: Carbon dioxide Nitrogen oxides (NOx) , Hydrogen cyanide (gaseous) , Ammonia, anhydrous Aldehydes, Hydrocarbons

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## SECTION 11 – TOXICOLOGY INFORMATION

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KEVLAR® Para-aramid	
Sensitisation	: Patch test on human volunteers did not demonstrate sensitisation properties.
Para-aramid fiber	
Inhalation	: Rat An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum achievable concentration.
Dermal	: The substance is a polymer and is not expected to produce toxic effects.
Oral LD50	: > 7,500 mg/kg , Rat
Skin irritation	: No skin irritation, Guinea pig
Repeated dose toxicity	: Inhalation Rat - Respiratory irritation
Carcinogenicity	: Not classifiable as a human carcinogen. Overall weight of evidence indicates that the substance is not carcinogenic.
Mutagenicity	: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Evidence suggests this substance does not cause genetic damage in animals.

### Carcinogenicity

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

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## SECTION 12 – ECOLOGICAL INFORMATION

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No data is available on the product itself

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## SECTION 13 – DISPOSAL CONSIDERATIONS

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Waste disposal methods - Product	: Can be landfilled or incinerated, when in compliance with local regulations. Do not flush into surface water or sanitary sewer system.
Contaminated packaging	: No applicable data available.

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## SECTION 14 – TRANSPORT INFORMATION

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Not classified as dangerous in the meaning of transport regulations.

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## SECTION 15 - REGULATORY INFORMATION

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TSCA Status	: On the inventory, or in compliance with the inventory
SARA 311/312 Hazard classification	: Combustible dust
SARA 313 Regulated Chemical(s)	: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
California Prop. 65	: This product does not contain any substances requiring a warning under the Safe Drinking Water and Toxic Enforcement Act.

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## SECTION 16 – OTHER INFORMATION

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### **Revision Date**

**4/26/2023**

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.