



## GHS SAFETY DATA SHEET (SDS)

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** PART #1153 - FibRelease

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:** Standard Composite Manufacturing

### SECTION 2 – HAZARDS IDENTIFICATION

#### GHS CLASSIFICATION

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**GHS Label Element**  
**Hazard pictograms**

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**Appearance** : White fluid dispersion  
**Physical state** : Liquid  
**Odor** : Mild

**Signal word** : Warning  
**Hazard statements** : H361d: Suspected of damaging fertility or the unborn child

#### Precautionary statements – Prevention

P262: Do not get in eyes, on skin, or on clothing  
P264: Wash skin thoroughly after handling  
P280: Wear protective gloves and eye/face protection

#### Precautionary Statements – Response

P302 + P352: IF ON SKIN: Wash with plenty of soap and water  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue Rinsing  
P337 + P313: If eye irritation persists: Get medical advice/attention

P301 + P330: IF SWALLOWED: Rinse Mouth  
P391: Collect Spillage

**Precautionary Statements – Disposal**

P501: Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

None

**Other Information**

No information available

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## SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

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**Substance**

Not applicable

**Mixture**

**Synonyms**

Mixture.

**Chemical nature**

Polymer dispersion

**Component Information:**

Chemical Name	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Water	7732-18-5	75.0-85.0	
Trade Secret	Proprietary	10.0-20.0	<b>Eye Dam. 2; (H319)</b>
Trade Secret	Proprietary	1.0-5.0	<b>Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)</b>
Trade Secret	Proprietary	0.1-1.0	<b>Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)</b>
Octamethylcyclotetrasiloxane	556-67-2	0.1-1.0	<b>Repr. 2 (H361d) Aquatic Chronic 4 (H413)</b>
Trade Secret	Proprietary	0.1-1.0	<b>Aquatic Chronic 2 (H411)</b>

The exact percentage (concentration) of composition has been withheld as a trade secret.

Amounts listed are typical and do not represent a specification. Remaining components are proprietary, nonhazardous, and/or present at amounts below reportable limits.

For the full text of the Classifications and Hazard Statements mentioned in this Section, see Section 16

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## SECTION 4 – FIRST AID MEASURES

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**Description of first aid measures**

<b>General advice</b>	: Use first aid treatment according to the nature of the injury. Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt, seek medical advice.
<b>Eye contact</b>	: immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Skin contact</b>	: Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	: Move victim to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.
<b>Ingestion</b>	: Never give anything by mouth to an unconscious person. Rinse mouth. If symptoms persist, call a physician.
<b>Self-protection of the first aider</b>	: First aider: Pay attention to self-protection. Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** : See Section 11.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** : treat symptomatically.

**SECTION 5 – FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media** : Water spray, carbon dioxide (CO<sub>2</sub>), dry chemical, alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** : Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical** : Thermal decomposition can lead to release of irritating and toxic gases and vapors.

**Hazardous combustion products** : Carbon oxides.

**Explosion data**

**Sensitivity to Mechanical Impact** : None.

**Sensitivity to Static Discharge** : None.

**Protective equipment and precautions for firefighters**

: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, protective equipment and emergency procedures**

**Personal precautions** : Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Extremely slippery when spilled.

### **Environmental precautions**

**Environmental precautions** : Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional Ecological Information.

### **Methods and material for containment and cleaning up**

**Methods for containment** : Dike to collect large liquid spills.

**Methods for cleaning up** : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

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## **SECTION 7 – HANDLING AND STORAGE**

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### **Precautions for safe handling**

**Advice on safe handling** : Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Wash thoroughly after handling.

### **Conditions for safe storage, including any incompatibilities**

**Storage Conditions** : Keep from freezing. Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** : Strong oxidizing agents. Strong acids. Strong bases.

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## **SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

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### **Control parameters**

**Exposure Guidelines** : This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### **Appropriate engineering controls**

**Engineering Controls** : Ensure adequate ventilation, especially in confined areas  
Showers  
Eyewash stations  
Ventilation systems.

### **Individual protection measures, such as personal protective equipment**

**Eye/face protection** : Wear safety glasses with side shields (or goggles).

**Skin and body protection** : Wear protective gloves and protective clothing.

**Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

**General Hygiene Considerations** : Handle in accordance with good industrial hygiene and safety practice.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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### Information on basic physical and chemical properties

**Color:** White fluid dispersion  
**Odor:** Mild odor  
**Odor threshold:** No data available  
**Physical State:** Liquid

<u>Property</u>	<u>Values</u>	<u>Remarks Method</u>
<b>pH</b>	Not Applicable	
<b>Melting Point/freezing point:</b>	Not Applicable	
<b>Boiling point/ boiling range:</b>	100°C/212°F	
<b>Flash point</b>	No data available	
<b>Evaporation Rate</b>	1	(Water = 1)
<b>Flammability (solid, gas)</b>	No data available	
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>	No data available	
<b>Lower flammability limit:</b>	No data available	
<b>Vapor pressure</b>	3.2	@ 20°C (kPa)
<b>Vapor density</b>	No data available	
<b>Specific Gravity</b>	1.0	g/ml @ 20°C
<b>Water solubility</b>	dispersible	
<b>Solubility in other solvents</b>	No data available	
<b>Partition coefficient</b>	No data available	
<b>Autoignition temperature</b>	No data available	
<b>Decomposition temperature</b>	No data available	
<b>Kinematic viscosity</b>	No data available	
<b>Dynamic viscosity</b>	No data available	
<b>Explosive properties</b>	Not applicable	
<b>Oxidizing properties</b>	No data available	

### Other Information

<b>Softening point</b>	No data available	
<b>Molecular weight</b>	No data available	
<b>VOC Content (%)</b>	0	Wt %
<b>Density</b>	8.32	lbs./gal
<b>Bulk density</b>	No data available	

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## SECTION 10 – STABILITY AND REACTIVITY

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**Reactivity:** Stable

### Chemical stability

**Stability** Stable

**Hazardous polymerization:** Hazardous polymerization does not occur.

**Conditions to avoid:** Keep away from heat.

**Incompatible materials:** Strong oxidizing agents. Strong acids. Strong bases.

**Hazardous Decomposition Products** Carbon oxides.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

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### Information on likely routes of exposure

**Product Information** : Product does not present an acute toxicity hazard based on known or supplied information

**Inhalation** : Inhalation of vapors in high concentration may cause irritation of respiratory system.

**Eye contact** : May cause slight irritation

**Skin contact** : Prolonged or repeated contact may dry skin and cause irritation.

**Ingestion** : May be harmful if swallowed. Not an expected route of exposure.

### **Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Trade secret	>4000 mg/kg (Rat)	>3000 mg/kg (Rabbit)	-
Trade Secret	=580 mg/kg (Rat)	-	-
Octamethylcyclotetrasiloxane 556-67-2	>2000 (Rat)	=794 uL/kg (Rabbit)	= 36 g/m <sup>3</sup> (Rat) 4h
Trade Secret	13792 mg/kg (Rat)	-	-

### Information on toxicological effects

**Symptoms** Skin: Irritation, redness, itchiness  
Eyes: Irritation, redness, watering, itchiness

### Delayed and Immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available  
**Germ cell mutagenicity** No information available  
**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.  
**Reproductive toxicity** No information available  
**STOT – single exposure** No information available  
**STOT – repeated exposure** No information available  
**Chronic toxicity** Prolonged or repeated contact may dry skin and cause irritation  
**Other adverse effects** No information available  
**Aspiration hazard** No information available

### Numerical measures of toxicity – Product Information

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** >5000 mg/kg  
**ATEmix (dermal)** >5000 mg/kg  
**ATEmix (inhalation-gas)** >20000 ppm  
**ATEmix (inhalation-dust/mist)** >5 mg/l  
**ATEmix (inhalation-vapor)** >20 mg/l

## SECTION 12 – ECOLOGICAL INFORMATION

Marine pollutant                      No.

Ecotoxicity                              The environmental impact of this product has not been fully investigated

**Component Information:**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Trade Secret	-	1.4-1.8: 96h LC50 mg/L Pimephales promelas	>1.0-8.4: 48h EC50 mg/L Daphnia magna
Trade Secret	-	3.7: 96h LC50 mg/L Pimephales promelas	10-20: 48h EC50 mg/L Daphnia magna
Octamethylcyclotetrasiloxane 556-67-2	>0.022: 96h mg/l EC50	500: 96h Brachydanio rerio mg/L LC50 1000: 96h Lepomis macrochirus mg/L LC50	25.2: 24h Daphnia magna mg/L EC50
Trade Secret	-	19: 96h LC50 mg/L Pimephales promelas	8.3: 48h EC50 mg/L Daphnia magna

**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

**Mobility** No information available.

**Component Information:**

Chemical Name	Partition coefficient
Trade Secret	4.9 Estimated
Octamethylcyclotetrasiloxane 556-67-2	5.1

**Other adverse effects** No information available

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations

**Contaminated packaging** Do not reuse container. Disposal should be in accordance with applicable regional, national and local laws and regulations.

## SECTION 14 – TRANSPORT INFORMATION

**DOT** Not Regulated

**ICAO (air)** Not Regulated

**IATA** Not Regulated

**IMDG**

Not Regulated

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## **SECTION 15 – REGULATORY INFORMATION**

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### **International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

### **Legend:**

**TSCA** – United States Toxic Substances Control Act Section 8 (b) Inventory

**DSL/NDSL** – Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** – Japan Existing and New Chemical Substances

**IECSC** – China Inventory of Existing Chemical Substances

**KECL** – Korean Existing and Evaluated Chemical Substances

**PICCS** – Philippines Inventory of Chemicals and Chemical Substances

**AICS** – Australian Inventory of Chemical Substances

### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

### **US State Regulations**

#### **California Proposition 65**

This product contains a chemical known to the State of California to cause cancer



<b>Chemical Name</b>	<b>California Proposition 65</b>
Trade Secret-	1,4-Dioxane CASRN 123-91-1

**U.S. State Right-to-Know Regulations**

Not applicable

**U.S. EPA Label Information**

**EPA Pesticide Registration Number**

Not applicable

**SECTION 16 – OTHER INFORMATION**

**Revision Date**

**August 28, 2019**

**NFPA RATING SYSTEM**

Health – 1      Flammability – 0      Instability – 0      Physical and Chemical Properties -

**HMIS RATING SYSTEM:**

Health – 1      Flammability – 0      Physical hazards – 0      Personal protection X

**Key to Classifications and Hazard Statements contained in Sections 2 and 3**

- Repr. 2 (H361d): Suspected of damaging the unborn child; Reproductive Toxicity, Cat 2
- Eye Irrit. 2 (H319): Causes serious eye irritation; Eye Dam Irrit., Cat 2
- Skin Irrit. 2 (H315): Causes skin irritation; Skin Corr/Irritation, Cat 2
- Eye Dam. 1 (H318): Causes serious eye damage; Serious eye damage, Cat 1
- Aquatic Chronic 2 (H411): Toxic to aquatic life with long lasting effects; Chronic Env Tox, Cat 2
- Aquatic Chronic 4 (H413): May cause long lasting harmful effects to aquatic life; Chronic Env Tox, Cat 4

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