



GHS SAFETY DATA SHEET (SDS)

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PART #13 - PVA

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

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

CHEMICAL NAME OR COMPOSITION: Polyvinyl Alcohol

RECOMMENDED USE: Mold Release Agent for use with Standard Composite Manufacturing

SECTION 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Flammable liquid/vapor	: Category 3
Acute toxicity – Oral	: Category 4
Acute toxicity – Dermal	: Category 4
Acute toxicity – Inhalation	: Category 4
Eye damage/irritation	: Category 2B

GHS Label Element

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 Flammable liquid and vapor.
H302+H312+H332 Harmful if swallowed, in contact with skin, or if inhaled.
H320 Causes eye irritation.

Precautionary statements : P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/Bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing dusts or fibers.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if unwell.
P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330 Rinse mouth.
P331 Do NOT induce vomiting.
P337+P313 If eye irritation persists, get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P370+P378 In case of fire, use dry chemicals, CO₂, water fog, water spray, or alcohol-resistant foam.
P403+P235 Store in a well-ventilated place. Keep cool.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Mixture

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>EC-No.</u>	<u>Classification</u>	<u>Concentration (%)</u>
Ethanol	64-17-5	200-578-6	H225: Flammable Liquid, 2	≥30 – ≤35
n-Butanol	71-36-3	200-751-6	H226: Flammable Liquid, 3	≥1 – ≤2

SECTION 4 – FIRST AID MEASURES

General advice: Do not leave victim unattended. Show this safety data sheet to doctor in attendance.

In case of eye contact: Flush immediately with cold water for 15 minutes. Remove contact lenses. Keep eye wide open while rinsing. Get prompt medical attention.

In case of skin contact: Remove contaminated clothing and wash affected area with soap and warm water. If irritation persists, seek medical attention. Launder contaminated clothing and shoes prior to reuse.

If inhaled: Expose individual to fresh air and/or oxygen if light-headed or having difficulty breathing. If difficulty breathing persists, seek medical attention.

If swallowed: Seek immediate medical attention. Do not induce vomiting. If spontaneous vomiting occurs, keep victim's head below hips to prevent aspiration into lungs. Do not leave individual unattended.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing media: Standard procedure for chemical fires. Use dry chemicals, carbon dioxide, water fog, water spray, or alcohol-resistant foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: Water may be unsuitable as an extinguishing media but helpful in keeping adjacent areas cool. Avoid spreading burning liquid with water used for cooling purposes. Do not use water jet.

Special hazards from substance or mixture: None

Advice for firefighters: Special protective equipment for firefighters: Wear self-contained breathing apparatus with full face piece and protective clothing. Avoid contact with skin and eyes.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, emergency procedures: Use personal protective equipment. Ensure adequate ventilation. Keep sources of ignition and hot metal surfaces isolated from spill.

Environmental precautions: Prevent product from entering drains. Stop spill at source and prevent further leakage or spillage if safe to do so. If product contaminates rivers, lakes, or drains, notify proper authorities.

Methods/Materials for containment and cleaning up: Flush spilled materials into suitable retaining areas or containers. Small amounts of spilled materials may be absorbed with any standard absorbent. Confine spill and place into suitable container for disposal. Dispose of in accordance with regional, national, and local laws and regulations.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling: For personal protection, see Section 8. Smoking, eating, and drinking should be prohibited in the application area. Empty containers may contain product residue such as vapors, continue to observe safe handling precautions.

Advice on protection against fire and explosion: Normal measures for preventive fire protection. Keep work areas free of hot metal surfaces and other sources of ignition.

Conditions for safe storage, including any incompatibilities: Requirements for storage areas and containers: Store in cool, dry location below 100°F (38°C) and away from open flames, heat, and sparks. Keep container tightly closed when not in use. Observe label precautions.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: No specific data available for this product.

Exposure controls: Use with adequate ventilation.

Personal protective equipment:

Hand protection: Wear chemical-resistant, impervious gloves.

Eye protection: Safety glasses with side shields or goggles are recommended. Eye wash stations are recommended for the work area.

Skin and body protection: Wear impervious clothing and shoes. Safety showers are recommended for the work area.

Respiratory protection: Provide sufficient general and/or local exhaust.

Hygiene measures: Do not eat, drink, or smoke while using. Wash hands before breaks and at the end of workday.

Environmental exposure controls: Prevent product from entering drains. Stop spill at source and prevent further leakage or spillage if safe to do so. If product contaminates rivers, lakes, or drains, notify proper authorities.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid
Color	: Green or Clear
Odor	: Alcohol
Odor Threshold	: No data available
pH	: 5.0–6.9
Freezing point/Melting point	: No data available

Initial Boiling Point/Boiling Range	: 158°F–220°F (70°C–104°C)
Flash point	: 76°F (24°C)
Evaporation rate	: No data available
Flammability	: Flammable liquid
Upper/Lower Flammability Explosive Limits	: 18.7% upper; 3.3% lower
Vapor pressure	: No data available
Vapor Density	: No data available
Relative Density	: 0.94–0.98 (water=1)
Solubility	: Soluble in water
Partition Coefficient (n-octanol/water)	: No data available
Auto-ignition Temperature	: 670°F (354°C)
Decomposition Temperature	: No data available
Volatility	: 25–70 cps
Volatile organic content (actual VOC)	: 288 g/L

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical stability: Stable under normal conditions of use.

Possibility of hazardous reactions: No decomposition if stored and applied as directed.

Conditions to avoid: Avoid heat, sparks, open flames, hot surfaces, or other sources of ignition.

Incompatible products: Incompatible with strong oxidizing agents, strong acids or bases, alkali metals, halogens, and strong alkalis.

Hazardous decomposition products: Hazardous decomposition products are not expected to form during normal storage. Normal combustion will produce carbon dioxide and water vapor. Incomplete combustion will produce carbon monoxide and other toxic substances. Decomposition above 200 °C may yield acetaldehyde, crotonaldehyde, and acetone.

SECTION 11 – TOXICOLOGICAL INFORMATION

No data specific to this product is available.

Acute toxicity: No data available

Skin corrosion/irritation: Expected to be slightly irritating

Serious eye damage/irritation: Expected to be slightly irritating

Respiratory or skin sensitization: Not a skin sensitizer

Germ cell mutagenicity: Not considered a mutagenic hazard

Carcinogenicity: Not classified as a carcinogen

Reproductive toxicity: Not expected to impair fertility or fetal development

STOT – single exposure: No data available

STOT – repeated exposure: No data available

Aspiration hazard: Aspiration into the lungs may occur if swallowed

SECTION 12 - ECOLOGICAL INFORMATION

No data specific to this product is available.

Toxicity: Not expected to be toxic

Persistence and degradability: Expected to be inherently biodegradable.

Bioaccumulative potential: No data available

Mobility: No data available

Result of PBT and vPvB assessment: No data available

Other adverse effects: No other adverse effects expected

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of in accordance with regional, national, and local laws and regulations.

Material disposal: Do not dispose of waste into sewer. Do not contaminate ponds, waterways, or ditches with product or used container. Send to a licensed waste management company.

Container disposal: Empty remaining contents. Dispose of as unused product. Do not reuse empty containers.

SECTION 14 - TRANSPORT INFORMATION

	DOT	ADR/RID	ADN	IMDG	IATA
UN Number	UN1987	UN1987	UN1987	UN1987	UN1987
UN Proper Shipping Name	Alcohols, n.o.s.	Alcohols, n.o.s.	Alcohols, n.o.s.	Alcohols, n.o.s.	Alcohols, n.o.s.
Transportation Hazard Class	3	3	3	3	3
Packing Group	III	III	III	III	III
Marine Pollutant	--	No	No	No	---

Transportation Hazard Label for all, including DOT, ADR/RID, ADN, IMDG, IATA:



Additional Information: This product qualifies as a Limited Quantity in the United States under 49 CFR §173.150 for shipment via highway, rail, or ocean freight:

Land transport

DOT: Mold release liquid coating; HM-215K Ltd Qty

Sea transport

IMDG: UN1987; Alcohols, n.o.s.; 3; PG III; Ltd Qty; Marine Pollutant: No

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, health, and environmental regulations/legislation specific to the substance or mixture

None

SECTION 16 – OTHER INFORMATION

Revision Date

August 6, 2019

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.