GHS SAFETY DATA SHEET (SDS)

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: PART #41 – White Polyester/Epoxy Pigment

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: Industrial use

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture

GHS US classification

STOT RE 2 H373

Full text of H statements : see section 16

Label elements

GHS US labeling

Hazard pictograms (GHS US)

GHS08

Signal word (GHS US) : Warning

Hazard statements (GHS US) : H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (GHS US) : P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P314 - Get medical advice/attention if you feel unwell.
P501 - Dispose of contents/container in accordance with local, regional, national, international regulations

SECTION 3 – COMPOSITION/INFORMATION ON INGREDITENTS

Name	Product identifier	%	GHS US classification
Bis(2-ethylhexyl) fumarate	(CAS-No.) 141-02-6	4.25	Not classified
Bis(2-ethylhexyl) maleate	(CAS-No.) 142-16-5	3.07	STOT RE 2, H373 Aquatic Chronic 2, H411
2-ethyl-1-hexanol	(CAS-No.) 104-76-7	0.47	Flam. Liq. 4, H227 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 STOT SE 3, H335
2-butanol	(CAS-No.) 78-92-2	0.04	Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H335 STOT SE 3, H336

Full text of H- and EUH-statements: see section 16

SECTION 4 – FIRST AID MEASURES

Description of first aid measures

First-aid measures general : Get medical advice/attention if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Special hazards arising from the substance or mixture

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapors/spray.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Environmental precautions

Avoid release to the environment.

Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

Reference to other sections

For further information refer to section 13.

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapors/spray

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

TITANIUM DIOXIDE	
ACGIH	Not applicable
OSHA	Not applicable
Bis(2-ethylhexyl) fumarate (141-02-6)	
ACGIH	Not applicable
OSHA	Not applicable

Bis(2-ethylhexyl) maleate (142-16-5)	
ACGIH	Not applicable
OSHA	Not applicable

2-ethyl-1-hexanol (104-76-7)	
ACGIH	Not applicable
OSHA	Not applicable

2-butanol (78-92-2)	
ACGIH	Not applicable
OSHA	Not applicable

Exposure controls

Appropriate engineering controls	: Ensure good
ventilation of the work station. Hand protection	: Protective gloves.
Eye protection	: Safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls	: Avoid release to the environment.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	: Liquid
Color	: white
	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 200 °F
Relative evaporation rate (butyl acetate=1)	: No data available
Percent Solids (calculated value)	: 98.356 %
Density (calculated value)	: 19.507 lb/gal

SECTION 10 – STABILITY AND REACTIVITY

Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

Conditions to avoid
None under recommended storage and handling conditions (see section 7).

Incompatible materials
No additional information available

Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 – TOXICOLOGY INFORMATION

Information on toxicological effects

Acute toxicity : Not classified

2-ethyl-1-hexanol (104-76-7)	
LD50 oral rat	3290 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value)
LD50 dermal rat	> 3000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, Rat, Male/female, Experimental value)
LC50 Inhalation - Rat	0.89 – 5.3 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Experimental value)
ATE US (oral)	3290 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

2-butanol (78-92-2)	
LD50 oral rat	2193 mg/kg (Rat)
LD50 dermal rat	> 2000 mg/kg (Rat)
LC50 Inhalation - Rat	48.5 mg/l (4 h, Rat)
ATE US (oral)	2193 mg/kg body weight
ATE US (vapors)	48.5 mg/l/4h
ATE US (dust, mist)	48.5 mg/l/4h

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Reproductive toxicity : Not classified
STOT-single exposure : Not classified

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

SECTION 12 – ECOLOGICAL INFORMATION

Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

2-ethyl-1-hexanol (104-76-7)	
LC50 - Fish [1]	17.1 mg/l (EU Method C.1, 96 h, Leuciscus idus, Flow-through system, Fresh water, Experimental value)
EC50 - Crustacea [1]	39 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
2-butanol (78-92-2)	
LC50 - Fish [1]	3670 mg/l (96 h, Pimephales promelas, Flow-through system)
EC50 - Crustacea [1]	2300 mg/l (24 h, Daphnia magna)

Persistence and degradability

2-ethyl-1-hexanol (104-76-7)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
2-butanol (78-92-2)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.87 g O_2/g substance
Chemical oxygen demand (COD)	2.47 g O_2/g substance
ThOD	2.59 g O_2/g substance
BOD (% of ThOD)	0.72

Bioaccumulative potential

2-ethyl-1-hexanol (104-76-7)	
BCF - Other aquatic organisms [1]	25.33 (BCFWIN, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	2.9 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
2-butanol (78-92-2)	
Partition coefficient n-octanol/water (Log Pow)	0.61 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Mobility in soil

2-ethyl-1-hexanol (104-76-7)	
Surface tension	0.000047 N/m (20 °C, 0.81 g/l)
Ecology - soil	Highly mobile in soil.
2-butanol (78-92-2)	
Surface tension	0.023 N/m (20 °C)
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Ecology - waste materials : Avoid release to the environment.

SECTION 14 – TRANSPORT INFORMATION

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

ADR

Transport by sea

Air transport

SECTION 15 - REGULATORY INFORMATION

US Federal regulations

TITANIUM DIOXIDE

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

2-butanol (78-92-2)
Subject to reporting requirements of United States SARA Section 313

International regulations

Bis(2-ethylhexyl) fumarate (141-02-6)
Listed on the Canadian NDSL (Non-Domestic Substances List)

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No additional information available

National regulations

No additional information available

US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

2-butanol (78-92-2)
U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16 – OTHER INFORMATION

Revision Date

5/12/2023

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.

Full text of H-phrases:

H226	Flammable liquid and vapor
H227	Combustible liquid
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects