



GHS SAFETY DATA SHEET (SDS)

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Part #4113 Fast Set Tooling / Prototyping Urethane Kit, Part B

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 Resin supplied exclusively for workplace use.

SECTION 2 – HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Acute Toxicity (Oral and Inhalation)	: Category 4
Skin Irritation	: Category 2
Skin Sensitizer	: Category 1
Eye Irritation	: Category 2A
Respiratory Sensitizer	: Category 1
Target Organ Systemic Toxicity (repeated exposure)	: Category 2

GHS Label Element

Hazard pictograms :



Signal Word : Danger

Hazard statements	: H302+H332 Harmful if swallowed, or if inhaled. H315+H317 Causes skin irritation, or may cause an allergic skin reaction. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H373 May cause damage to organs through prolonged/repeated exposure.
Precautionary statements	: P202 Do not handle until all safety precautions have been read/understood. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P270 Do not eat, drink or smoke when using this product. P281 Use personal protective equipment as required. P285 In case of inadequate ventilation wear respiratory protection. P273 Avoid release to the environment.

NO.	CANCER	REPRO-TOX	TARGET ORGANS	ACGIH/TLV	OSHA/PEL
P	NO	NO	UNKNOWN	N.A.mg/M ³	N.A.mg/M ³
2	NO	NO	LUNG	0.051 mg/M ³	0.20 mg/M ³
3	NO	NO	LUNG, CNS	N.A.mg/M ³	N.A.mg/M ³

NOTE: CONTAINS MATERIAL(S) REGULATED AS DUST HAZARDS, DISPERSED IN A NON-HAZARDOUS FORM. IF DUST IS RECREATED, APPROPRIATE RESPIRATORY AND/OR EXPLOSION PRECAUTIONS MUST STILL BE USED.

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

UNDER GHS-OSHA §4.11 THE PRECISE COMPOSITION OF THIS PRODUCT IS WITHHELD AS CONFIDENTIAL BUSINESS INFORMATION (CBI). A MORE COMPLETE DISCLOSURE CAN BE PROVIDED TO A HEALTH, OR SAFETY PROFESSIONAL WHEN NECESSARY.

Substance/Mixture: Mixture

NO.	COMPONENT	CAS. NO.	PERCENT
P	POLYURETHANE RESIN MIXTURE	N.A.	< 100%
2	DIPHENYLMETHANE-4, 4' DIISOCYANATE	101-68-8	< 12%
3	HYDROTREATED DISTILLATE, LIGHT	64742-47-8	< 5%

SECTION 4 – FIRST-AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

- **EYES:** IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.
- **SKIN:** WASH AFFECTED AREA IMMEDIATELY WITH LARGE AMOUNTS OF SOAP AND WATER. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. CONTACT A PHYSICIAN IF IRRITATION OCCURS.
- **INHALATION:** REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET MEDICAL ATTENTION.
- **INGESTION:** DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER. CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION 5 – FIRE-FIGHTING MEASURES

FLASH POINT: $\geq 145^{\circ}\text{F}$ (FOR PRODUCT OR LOWEST FLASH POINT INGREDIENT)

FLAMMABILITY CLASSIFICATION: COMBUSTIBLE CLASS (IIIA)

EXTINGUISHING MEDIA: WATER FOG, DRY CHEMICAL, CARBON DIOXIDE, OR FOAM.

NOTE: EITHER ATMOSPHERE-SUPPLY OR AIR-PURIFYING RESPIRATORS SHOULD BE AVAILABLE FOR FIRE FIGHTERS (20 CFR 1910.134).

SECTION 6 – ACCIDENTAL RELEASE MEASURES

- **IF MATERIAL IS SPILLED:** AVOID CONTACT WITH MATERIAL. PERSONS NOT WEARING PROPER PROTECTIVE EQUIPMENT (SEE BELOW) SHOULD BE EXCLUDED FROM THE AREA UNTIL CLEAN UP IS COMPLETE. DIKE AREA TO PREVENT SPILL SPREADING AND SCOOP UP EXCESS TO RECOVERY CONTAINERS. ABSORB REMNANT ON NONCOMBUSTIBLE MATERIAL SUCH AS CLAY AND SHOVEL INTO CONTAINERS FOR DISPOSAL.
 - **WASTE DISPOSAL METHOD:** DISPOSE OF ANY WASTE(S) GENERATED ABOVE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.
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SECTION 7 – HANDLING AND STORAGE

- AVOID SKIN AND EYE CONTACT.
 - AVOID BREATHING VAPOR, MIST OR FUMES.
 - ENSURE THAT ALL CONTAINERS ARE PROPERLY LABELED TO PREVENT ACCIDENTAL INGESTION OR IMPROPER DISPOSAL.
 - RESEAL PARTLY USED CONTAINERS.
 - WASH WITH SOAP AND WATER BEFORE EATING, DRINKING OR USING TOILET FACILITIES.
 - STORE UNDER COOL, DRY CONDITIONS AND AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.
 - OBSERVE CONDITIONS OF GOOD INDUSTRIAL HYGIENE AND SAFE WORKING PRACTICE.
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SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

- **RESPIRATORY PROTECTION:** NOT NORMALLY NECESSARY UNLESS THE MATERIAL IS BEING USED IN SUCH A WAY AS TO PRODUCE DUST, MIST, VAPOR, FUMES, OR SMOKE, IN WHICH CASE NIOSH APPROVED RESPIRATORY PROTECTION SHOULD BE USED.
- **VENTILATION:** SHOULD BE SUFFICIENT TO CONTROL ANY DUST, MIST, VAPOR OR FUMES PRODUCED BY PROCESSING OR HANDLING METHOD. BREATHING OF VAPOR MUST BE AVOIDED.
- **HAND PROTECTION:** IMPERVIOUS GLOVES, NEOPRENE OR NITRILE RUBBER GLOVES.
- **EYE PROTECTION:** SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDESHIELDS.
- **OTHER PROTECTIVE EQUIPMENT:** CLEAN, BODY COVERING CLOTHING AND FOOTWEAR.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

- PHYSICAL STATE.....: LIQUID
- ODOR.....: BLAND
- COLOR.....: TAN
- pH.....: NEUTRAL
- SP. GR.....: 1.76
- DENSITY.....: 14.7 lbs. / gal.
- VAPOR PRESSURE....: NEGLIGIBLE

NOTE: OTHER PROPERTIES ARE EITHER NOT AVAILABLE, OR DO NOT APPLY.

SECTION 10 – STABILITY AND REACTIVITY

- **STABILITY:** STABLE UNDER NORMAL STORAGE CONDITIONS. UNSTABLE AT ELEVATED TEMPERATURES.
 - **INCOMPATIBILITY:** WATER, STRONG OXIDIZING AGENTS, AND STRONG MINERAL AND ORGANIC BASES / ESPECIALLY ALIPHATIC AMINES.
 - **HAZARDOUS DECOMPOSITION PRODUCTS:** OXIDES OF CARBON AND NITROGEN, HCN, AND OTHER UNKNOWN ORGANIC COMPOUNDS.
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SECTION 11 – TOXICOLOGICAL INFORMATION

EFFECTS OF OVEREXPOSURE:

ACUTE:

- **EYES:** LIQUID, VAPORS, AND MIST ARE IRRITATING AND CAN CAUSE A STINGING SENSATION, TEARING, REDDENING, AND SWELLING OF THE EYES.
- **SKIN:** MAY CAUSE IRRITATION, BURNS, ULCERATION, OR SKIN SENSITIZATION.
- **INHALATION:** VAPORS ARE IRRITATING AND MAY CAUSE TEARS, BURNING OF NOSE AND THROAT, COUGHING, WHEEZING, BRONCHITIS, AND PULMONARY EDEMA.
- **INGESTION:** CAN CAUSE IRRITATION AND POSSIBLE CORROSIVE ACTION IN THE MOUTH, STOMACH TISSUE, AND DIGESTIVE TRACT.

CHRONIC:

- PERMANENT SKIN OR LUNG DAMAGE MAY DEVELOP, AND SKIN ALLERGIES OR RESPIRATORY DISORDERS CAN BE AGGRAVATED BY EXPOSURE TO ISOCYANATES.
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SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY EFFECTS:

- **AQUATIC TOXICITY:** NO DATA IS AVAILABLE ON THE PRODUCT ITSELF.
- **TOXICITY TO OTHER ORGANISMS:** NO DATA AVAILABLE.

PERSISTENCE AND DEGRADABILITY:

- **MOBILITY:** NO DATA IS AVAILABLE ON THE PRODUCT ITSELF.
- **BIOACCUMULATION:** NO DATA IS AVAILABLE ON THE PRODUCT ITSELF.

SECTION 13 – DISPOSAL CONSIDERATIONS

- **WASTE DISPOSAL METHOD:** DISPOSE OF WASTE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.
 - **CONTAINER DISPOSAL:** SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, ALL LABELED HAZARD PRECAUTIONS MUST BE OBSERVED. CONSULT WITH FEDERAL, STATE, AND LOCAL AUTHORITIES FOR DEFINITIONS OF "EMPTY" AND PROPER DISPOSAL PRACTICES.
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SECTION 14 – TRANSPORT INFORMATION

- **U.S. Department of Transportation Ground (49 CFR)**

UN NUMBER.....: N.A.
PROPER SHIPPING NAME.....: PLASTIC MATERIAL LIQUID, N.O.I.
CONTAINS.....: NOT REGULATED*
HAZARD CLASS.....: N.A.
PACKAGING GROUP.....: N.A.

- **International Air Transportation (ICAO/IATA)**

UN NUMBER.....: N.A.
PROPER SHIPPING NAME.....: PLASTIC MATERIAL LIQUID, N.O.I.
CONTAINS.....: NOT REGULATED*
HAZARD CLASS.....: N.A.
PACKAGING GROUP.....: N.A.

- **Water Transportation (IMO/IMDG)**

UN NUMBER.....: N.A.
PROPER SHIPPING NAME.....: PLASTIC MATERIAL LIQUID, N.O.I.
CONTAINS.....: NOT REGULATED*
HAZARD CLASS.....: N.A.
PACKAGING GROUP.....: NA
MARINE POLLUTANT.....: NO

*whenever shipped in individual containers containing less than the CERCLA RQ of 25,000 lbs.

SECTION 15 – REGULATORY INFORMATION

CAL SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT OF 1986

NO.	CHEMICAL NAME	CAS. NO.	CANCER/REPRO.TOX	QUANTITY
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THIS PRODUCT MAY CONTAIN TRACES OF PROP. 65 LISTED CHEMICALS
AS IMPURITIES. HOWEVER, ANY USED AS INGREDIENTS ARE LISTED ABOVE.

CERCLA – §40 CFR 302.4

RELEASES EXCEEDING THE REPORTABLE QUANTITY (RQ) MUST BE REPORTED TO THE
NATIONAL RESPONSE CENTER. (800)424-8802

RQ FOR THIS PRODUCT IS 25,000 LBS. BASED ON ITS MDI (CAS 101-68-8) CONTENT.

RCRA – §40 CFR 261.33

CONTAINS < 12% MDI (CAS 101-68-8).

SARA TITLE III — §52 CFR 13378, §52 CFR 21152

NO.	RQ(lbs.) (•1)	TPQ(lbs.) (•2)	SEC.313 (•3)	313 CAT. (•4)	311/312 (•5)
P	NONE	NOT LISTED	NOT LISTED	NONE	H1, H2
2	N.A.	N.A.	YES	< 12% DIISO	H1, H2
3	NONE	NOT LISTED	NOT LISTED	NONE	H1, H2, P3

- 1 = REPORTABLE QUANTITY OF EXTREMELY HAZARDOUS SUBSTANCE, SEC.302
 - 2 = THRESHOLD PLANNING QUANTITY, EXTREMELY HAZARDOUS SUBSTANCE, SEC.302
 - 3 = TOXIC CHEMICAL, SEC. 313 (INDIVIDUAL CHEMICAL LISTED)
 - 4 = TOXIC RELEASE INVENTORY FORM CATEGORY SEC. 313 (40 CFR 372.65 C)
 - 5 = HAZARD CATEGORY FOR SARA SEC. 311/312 REPORTING
- H1** = IMMEDIATE (ACUTE) HEALTH HAZARD **H2** = DELAYED (CHRONIC) HEALTH HAZARD
P3 = FIRE HAZARD **P4** = SUDDEN PRESSURE RELEASE HAZARD **P5** = REACTIVE HAZ.

VOC — SCAQMD RULES

NO.	CHEMICAL	QUANTITY	VP mm Hg	gms./l. @ 20°C
3	HT DISTILLATE (# 64742-47-8)	< 5%	2 @ 100°F	< 45

NOTE: THIS PRODUCT DOES NOT CONTAIN SOLVENTS, BUT MAY CONTAIN INGREDIENTS WITH VP'S LOW ENOUGH TO BE EMITTED IF HEATED ALONE. WHEN 2 PART RESINS AND HARDENERS ARE PROPERLY MIXED TOGETHER THESE INGREDIENTS REACT TOGETHER AND ARE CONSUMED WITHOUT SIGNIFICANT ATMOSPHERIC EMISSIONS.

INTERNATIONAL CHEMICAL INVENTORY STATUS:

EINECS-EU	Listed, Exempted, Polymer substance, or as no longer polymer.
AICS-AUSTRALIA	All components are listed or exempted.
ENCS-JAPAN	All components are listed or exempted.
ISHL-JAPAN	All components are listed or exempted.
KECI/ECL-KOREA	All components are listed or exempted.
IECSC/SEPA-CHINA	All components are listed or exempted.
PICCS-PHILIPPINES	All components are listed or exempted.
DSL-CANADA	All components are listed or exempted.
TSCA-USA	All components are listed or exempted.

WHMIS (CANADA)

- WHMIS: D2B Materials Causing Other Toxic Effects – Toxic Material
- WHMIS: B3 Combustible Liquids – Flashpoint of 37.8° - 93.3°C (100° - 200°F)

SECTION 16 – OTHER INFORMATION**Revision Date**

August 28, 2019

HMIS III CODES:

HEALTH.....=2
 FLAMMABILITY.....=2
 REACTIVITY.....=0

RATINGS:

0 = MINIMAL 3 = SERIOUS
 1 = SLIGHT 4 = SEVERE
 2 = MODERATE

PERSONAL PROTECTION RATING TO BE SUPPLIED BY USER DEPENDING ON CONDITIONS OF USE.

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.