

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

Product identifier:

Identification as on the label/Trade name: PROGLAS 1105 Deep Pour Epoxy Resin
Product codes: 100150010, 100150013

Relevant identification uses of the substance and uses advised against:

Identified uses: Epoxy resin applications.
Uses advised against: No other uses are advised.

Details of the supplier of the Safety Data Sheet:

Fiberlay Inc.
1468 Northgate Blvd
Sarasota, FL 34234
+1-206-782-0660

Emergency telephone numbers:

24-hour Emergency Contact:
CHEMTREC 24-hour: +1-800-424-9300 (USA)

Section 2: Hazards Identification

Classification of the substances or mixture:

The mixture is classified according to: Regulation EC 1272/2008 [EU-GHS/CLP]

Hazard classes/Hazard categories:

Skin irritant, Category 2
Skin sensitizer, Category 1
Eye irritant, Category 2
Mutagenicity, Category 2
Aquatic chronic, Category 2

Label elements:

Hazard pictograms:



Signal word: Warning.

Hazard statements:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H341 Suspected of causing genetic defects.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:

Prevention

- P203 Obtain, read and follow all safety instructions before use.
- P264 Wash hands thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P302 + P352 IF ON SKIN: Wash with plenty of water.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P318 IF exposed or concerned, get medical advice.
- P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P362 + P364 Take off contaminated clothing and wash it before reuse.
- P391 Collect spillage.

Storage

- P405 Store locked up.

Disposal

- P501 Dispose of contents/container in accordance with local/national regulations.

Section 3: Composition/Information on Ingredients

Substance/Mixture: Mixture.

Ingredients:

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight	Classification EC1272/2008
	EC-No.		
bisphenol-A-(epichlorhydrin) epoxy resin	500-033-5	50 – 100%	Skin Irrit. 2 H315 Skin Sens. 1 H317 Eye Irrit. 2 H319 Aquatic Chronic 2 H411
	25068-38-6		
2,3-epoxypropyl o-tolyl ether	2210-79-9	10 – 25%	Skin Irrit. 2 H315 Skin Sens. 1 H317 Muta. 2 H341 Aquatic Chronic 2 H411
	218-645-3		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures

Description of first aid measures:

Eye contact: Protect unharmed eye. Remove contact lenses if worn, if possible. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Skin contact: Immediately wash with water and soap and rinse thoroughly. Do not pull solidified product off the skin. Immediately remove any clothing soiled by the product. If skin irritation continues, consult a doctor.

Inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

Ingestion: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

Most important symptoms and effects, both acute and delayed:

Nausea, dizziness, irritation to skin and mucous membranes, irritation to eyes.

Indication of any immediate medical attention and special treatment needed: Treat skin and mucous membrane with antihistamine and corticoid preparations. Medical supervision for at least 48 hours.

Section 5: Fire-Fighting Measures

Extinguisher media:

Extinguishing media: Use fire extinguishing methods suitable to surrounding conditions.

Unsuitable extinguishing agents: Water with full jet.

Specific hazards: Formation of toxic gases is possible during heating or in case of fire.

Special precautions for fire-fighters: Wear self-contained breathing apparatus and full-body protective suit.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Use respiratory protective device against the effects of fumes/dust/aerosols. Remove persons from danger area. Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Environmental precautions: Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

Methods for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to Section 13.

Section 7: Handling and Storage

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Store in cool, dry place in tightly closed containers.

Conditions for safe storage, including incompatibilities:

Store in a cool, dry place in tightly sealed containers. Store away from foodstuffs, oxidizing agents, and acids.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits: Does not contain any substances with occupational exposure limits.

Exposure controls:

Appropriate engineering controls: Use with adequate ventilation.

Individual protection measures, such as personal protective equipment:

Respiratory protection: Not required under normal conditions of use. Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable. NIOSH approved organic vapor respirator equipped with a dust/mist pre-filter should be used.

Skin protection: The glove material has to be impermeable and resistant to the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Eye protection: Wear chemical safety glasses/goggles.

Other protective measures: The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuff and beverages. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale vapors. Avoid contact with the eyes and skin.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties:

Appearance (form): Liquid.

Color: Yellow.

Odor: Characteristic.

Odor threshold: No data available.

pH (concentration): 7.0

Melting point/range (°C): No data available.

Boiling point/range (°C): No data available.

Flash point (°C): 120 °C

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Upper/lower flammability/explosive limits: No data available.

Vapor pressure (20 °C): No data available.

Vapor density: No data available.

Relative density: 1.13 g/cm³

Water solubility (g/L) at 20 °C: Not miscible.

n-Octanol/Water partition coefficient: No data available.

Auto-ignition temperature: No data available.

Decomposition temperature: No data available.

Viscosity, dynamic: 1,000 mPas

Section 10: Stability and Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: Stable under recommended conditions.

Possibility of hazardous reactions: Reacts with oxidizing agents and amines.

Conditions to avoid: None known.

Incompatible materials: Avoid contact with strong oxidizing agents and acids.

Hazardous decomposition products: Carbon monoxide, carbon dioxide and hydrogen chloride.

Section 11: Toxicological Information

Information on toxicological effects:

Acute toxicity: No data available.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: Suspected of causing genetic defects.

Carcinogenicity: Not data available.

Reproductive toxicity: No data available.

STOT-single exposure: No data available.

STOT-repeated exposure: No data available.

Aspiration hazard: No data available.

Section 12: Ecological Information

Toxicity: Toxic to aquatic life with long lasting effects.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT& vPvB assessment: Not applicable.

Section 13: Disposal Considerations

Waste treatment methods: Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information

UN number: -

UN proper shipping name: Not regulated for transport if shipped in quantities of 5L (1.32 gal) or less.

Transport hazard class: -

Packing group: -

Environmental hazards: -

Special precautions for user: Refer to Sections 6 – 8

Transport in bulk according to Annex II of Marpol and the IBC Code: Not applicable.

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding restrictions: None known.

EU Regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

US Regulations:

SARA Title III Section 302/304 Extremely Hazardous Substance: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Title III Section 311/312 Hazard Categorization: Acute Health Hazard, Chronic Health Hazard.

SARA Title III Section 313 Supplier Information: 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.

CERCLA Section 102(a) Hazardous Substance: This material does not contain any components with a CERCLA RQ.

California Proposition 65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Chemical Safety Assessment carried out: No.

Section 16: Other Information

Indication of changes: GHS aligned.

Relevant classification and H statements (number and full text):

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H341 Suspected of causing genetic defects.

H411 Toxic to aquatic life with long lasting effects.

Training instructions: Use as instructed.

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers: Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

Section 1: Chemical Product and Company Identification

Product identifier:

Identification as on the label/Trade name: ProGlas Deep Pour Epoxy Hardener.

Relevant identification uses of the substance and uses advised against:

Identified uses: Component for Mold Making and Casting. For Industrial/Professional use only.

Uses advised against: No other uses are advised.

Details of the supplier of the Safety Data Sheet:

ProGlas Epoxy
1468 Northgate Blvd
Sarasota, FL 34234
+1-833-669-7899

Emergency telephone numbers:

24-hour Emergency Contact:
CHEMTREC 24-hour: +1-800-424-9300 (USA)

Section 2: Hazards Identification

Classification of the substances or mixture:

Hazard classes/Hazard categories:

Acute Toxicity, Oral (Category 4)
Acute Toxicity, Dermal (Category 4)
Serious Eye Damage (Category 1)
Hazardous to the Aquatic Environment – Acute Hazard Category 2
Hazardous to the Aquatic Environment – Chronic Hazard Category 2

Hazard statement:

H302
H312
H318
H401
H411

Label elements:

Hazard pictograms:



Signal Words: Danger.

Hazard Statements:

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H318 Causes serious eye damage.
H401 Toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements:

- P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P301 + P317 IF SWALLOWED: Get medical help.
 P302 + P352 IF ON SKIN: Wash with plenty of water.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P317 Get Medical Help
 P330 Rinse mouth.
 P362 + P364 Take off contaminated clothing and wash before reuse.
 P4914 Collect spillage.
 P501 Dispose of contents/container in accordance with local/national regulations.

Section 3: Composition/Information on Ingredients
Substance/Mixture: Mixture.

Ingredients:

Substance name (IUPAC/EC)	CAS-No.	Concentration % by weight
Polyoxypropylenetriamine	Proprietary	60-90%
Other ingredients are not classified as health, physical or environmental hazards, or are present below cut-off/concentrations limits.		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 4: First-Aid Measures
Description of first aid measures:

Eye Contact: Rinse thoroughly with water, holding the eyelids open to be sure the material is washed out. Get medical attention immediately.

Skin Contact: Remove contaminated clothing. Wash contact area thoroughly with soap and water. Get medical attention if irritation develops or persists. Launder clothing before re-use. Discard items that cannot be decontaminated.

Inhalation: If inhaled, remove person to fresh air. Give artificial respiration if needed. If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention if symptoms develop or persists.

Ingestion: Rinse mouth. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

Most important symptoms and effects, both acute and delayed:

Causes serious eye damage.

Indication of any immediate medical attention and special treatment needed: Get immediate medical attention if in eyes or swallowed.

Section 5: Fire-Fighting Measures

Extinguisher media:

Extinguishing Media: Use water fog, foam, carbon dioxide or dry chemical. Do not use solid water stream. Solid stream of water into hot product may cause violent steam generation or eruption.

Specific Hazards: Not classified as flammable or combustible. Product will burn under fire conditions.

Special Protective Equipment & Precautions for Fire-Fighters: Wear positive pressure, self-contained breathing apparatus and full-body protective clothing. Cool fire-exposed containers with water.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Remove all ignition sources. Clear non-emergency personnel from the area. Wear appropriate protective clothing to prevent eye and skin contact and avoid breathing vapors. Ventilate area.

Methods for containment and cleaning up:

Do not discharge material into waterways. Cover with an inert absorbent material and collect into an appropriate container for disposal. Avoid release to the environment.

Section 7: Handling and Storage

Precautions for safe handling:

Obtain, read, and follow instructions before use. Avoid contact with eyes, skin and clothing. Do not breathe fumes, vapors or mists. When using, do not eat, drink, or smoke. Use outdoors or with properly positioned local exhaust ventilation to prevent exposure. Wash thoroughly after handling. Keep container closed when not in use.

Conditions for safe storage, including incompatibilities:

Store indoors at temperatures between 40°F and 95°F. Store in original, unopened containers away from incompatible materials, open flames, and high temperatures.

Section 8: Exposure Controls and Personal Protection

Control parameters:

Occupational exposure limits: None established.

Ventilation: Use with properly positioned local exhaust ventilation to prevent exposure and maintain air levels below the occupational exposure limits.

Respiratory Protection: If ventilation is not adequate, use a NIOSH-approved respirator with organic vapor cartridges or supplied air. Respirator selection and use should be based on contaminant type, form and concentration. For higher exposures or in an emergency, use a supplied-air respirator.

Skin Protection: Wear impervious gloves, such as butyl rubber or nitrile rubber.

Eye Protection: Wear chemical safety goggles or face shield.

Other Protective Measures: Wear impervious clothing to prevent skin contact and contamination of personal clothing. An eye wash facility and washing facility should be available in the work area. Follow applicable regulations and good Industrial Hygiene practice.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance (form): Liquid, slight yellow

Odor: Epoxy

Odor threshold: No data available.

pH (concentration): No data available

Melting point/range (°C): No data available.

Boiling point/range (°C): No data available.

Flash point: 425.3°F (218.5°C)

Evaporation rate: No data available.

Flammability (solid, gas): No data available.

Ignition temperature (°C): No data available.

Upper/lower flammability/explosive limits: No data available.

Vapor pressure: 6.82 hPa (68°F/20°C)

Vapor density: No data available.

Relative density: 0.9658 g/cm³

Water solubility (g/L) at 20 °C: Insoluble in water

n-Octanol/Water partition coefficient: No data available.

Auto-ignition temperature: No data available. **Decomposition temperature:** No data available.

Viscosity, dynamic (mPa s): 110 mm²/s.

Section 10: Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under recommended conditions.

Possibility of Hazardous Reactions: No data available.

Conditions to Avoid: No data available.

Incompatible Materials: None known.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

Section 11: Toxicological Information

Eye Contact: Causes serious eye damage.

Skin Contact: Harmful in contact with skin.

Inhalation: No data available.

Ingestion: Harmful if swallowed.

Chronic Health Effects: No data available.

Acute Toxicity Values: For Polyoxypropylenetriamine:

Oral LD50 Rat: 550 mg/kg

Dermal LD50 Rabbit: >1,000 mg/kg

Respiratory Sensitization: This product is not considered a respiratory sensitizer.

Skin Sensitization: This product is not considered a skin sensitizer.

Germ Cell Mutagenicity: Components are not classified as mutagens.

Carcinogenicity: Components are not classified as carcinogens.

Reproductive Toxicity: Components are not classified as reproductive toxins.

Specific Target Organ Toxicity: No data available.

Section 12: Ecological Information

Ecotoxicity: Toxic to aquatic life with long-lasting effects. Avoid release to the environment.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Section 13: Disposal Considerations

Waste treatment methods: Minimize waste generation. Dispose of with a licensed waste disposal contractor. Do not dispose of down the drain. Dispose according to local, state and federal regulations.

Section 14: Transport Information

UN number: Not regulated for transport in any mode if shipped in quantities of 5L (1.32 gal) or less.

Emergency Shipping Information: Call CHEMTREC, 800-424-9300 or +1-703-527-3887

Section 15: Regulatory Information

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: Components are not subject to CERCLA reporting requirements. Some states have more stringent reporting requirements.

SARA TITLE III Section 311/312: Acute and Chronic Health Hazard

Section 313 Toxic Chemicals: This product does not contain chemicals subject to SARA Title III Section 313 Reporting requirements.

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer and/or reproductive harm. www.P65Warnings.ca.gov



Section 16: Other Information

Training Advice: All personnel using/handling this product should be trained in proper chemical handling and the need for and use of engineering controls and protective equipment.

Recommended Uses and Restrictions: This product is intended for industrial use only.

SDS Revision Notes: GHS Format: July 5, 2023

Disclaimer: The information contained herein is considered accurate; however, Alumilite makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.