

GLENDO LLC

SAFETY DATA SHEET

1. PRODUCT & COMPANY INFORMATION

1.1 PRODUCT IDENTIFIER(S)

Product Name: Alumilite Super Plastic (Tan)

Stock Number: 022-068

Product Use: Mold Making and Casting

1.3 COMPANY INFORMATION

Distributor's Name: Glendo LLC

Address: 900 Overlander Road, Emporia, KS 66801

Phone: (620) 343-1084

2. HAZARDS IDENTIFICATION

PART A

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS CLASSIFICATION IN ACCORDANCE WITH 29 CFR 1910 (OSHA HCS)

Flammable liquids (Category 2), H225

Acute toxicity, Oral (Category 4), H302

Aspiration hazard (Category 1), H304

Specific target organ toxicity - repeated exposure (Category 2), H373

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Pictogram:



Signal Word: Warning

Hazard Statement(s)

H225 Highly flammable liquid and vapor.

H304 May be fatal if swallowed and enter airways.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement(s)

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

2. HAZARDS IDENTIFICATION (continued)

P314 Get medical advice/attention if you feel unwell.

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

2.3 HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS

None.

PART B

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 4), H302

Acute toxicity, Inhalation (Category 1), H330

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Respiratory sensitization (Category 1), H334

Skin sensitization (Category 1), H317

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Pictogram:



Signal Word: Danger

Hazard Statement(s)

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

Precautionary Statement(s)

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/eye protection/face protection.

P284 Wear respiratory protection.

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

2. HAZARDS IDENTIFICATION (continued)

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P320 Specific treatment is urgent (see supplemental first aid instructions on this label).

P330 Rinse mouth.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

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

2.3 HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS

None.

3. COMPOSITION /INFORMATION ON INGREDIENTS

PART A

3.1.A

Substances Synonyms: /

Formula: C₁₆H₃₂N₂O₄

Molecular Weight: 292.41 g/mol

CAS-No.: 102-60-3

EC-No.: 203-04-14

Index-No.: /

Hazardous components

Component	Classification	Concentration
1,1',1'',1''' Ethylene dimitri tetra propan-2-01		
	Eye Irr. 2A; H319	/

For the full text of the H-Statements mentioned in this Section, see Section 16.

3.1.B

Substances Synonyms: /

Formula: C₇H₈

Molecular Weight: 92.14 g/mol

CAS-No.: 108-88-3

EC-No.: 203-625-9

Index-No.: /

Hazardous components

Component	Classification	Concentration
Toluene		
	Flam. Liq. 2; Skin Irr. 2; Repr. 2; Asp Tox. 1; H225, H304, H315, H336, H361, H373, H401	/

For the full text of the H-Statements mentioned in this Section, see Section 16.

PART B

Substances Synonyms: Polymethylene polyphenyl isocyanate PMDI

3. COMPOSITION /INFORMATION ON INGREDIENTS (continued)

LIT-SDS-022

CAS-No.: 9016-87-9

Hazardous components

Component	Classification	Concentration
Isocyanic acid, polymethylenepolyphenylene ester		
	Acute Tox. 4; Acute Tox. 1; Skin Irrit. 2; Eye Irrit. 2A; Resp. Sens. 1; Skin Sens. 1; STOT SE 3; H302, H315, H317, H319, H330, H334, H335	90 - 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

PART A

Eye Contact: Flush with large amounts of clean water for 15 minutes. If irritation persists, get medical attention.

Skin Contact: Wash with soap and water. Wash clothing before reuse.

Inhalation: Remove to fresh air, if effects occur consult physician

Ingestion: Do not induce vomiting. Give large quantities of water. Consult physician immediately.

PART B

Eye Contact: Flush with large amounts of clean water for 15 minutes. If irritation persists, get medical attention.

Skin Contact: Wash with soap and water. Wash clothing before reuse.

Inhalation: Remove to fresh air if effects occur consult physician.

Ingestion: Do not induce vomiting. Give large quantities of water. Give one ounce vinegar in one ounce water. Consult physician.

5. FIREFIGHTING MEASURES

PART A

Extinguishing Media: Water spray, foam, carbon dioxide, or dry chemical.

Fire Fighting Instructions: Treat as a class B fire.

Flash Point: > 300°F

PART B

Extinguishing Media: Water spray, foam, carbon dioxide, or dry chemical.

Fire Fighting Instructions: Treat as a class B fire.

Flash Point: 369°F

6. ACCIDENTAL RELEASE MEASURES

PART A

General: Spills should be absorbed with inert material (sand, vermiculite, etc.), sweep or scoop up and put in disposal container. Flush area immediately with plenty of water; prevent washings from entering waterways.

PART B

General: Spills should be absorbed with inert material (sand, vermiculite, etc.), sweep or scoop up and put in disposal container. Flush area immediately with plenty of water; prevent washings from entering waterways.

7. HANDLING AND STORAGE

PART A

General: Avoid breathing mist or vapors and repeated or prolonged exposure with skin. Avoid eye contact. Do not drink.

Storage: Store and use in well-ventilated area between 70-80F. Avoid excessive temperatures, low or high. Avoid moisture. Containers should be sealed tightly to prevent contamination from foreign materials.

PART B

General: Avoid breathing mist or vapors and repeated or prolonged exposure with skin. Avoid eye contact. Do not drink.

Storage: Store and use in well-ventilated area between 70-80F. Avoid excessive temperatures, low or high. Avoid moisture. Containers should be sealed tightly to prevent contamination from foreign materials.

8. EXPOSURE CONTROLS /PERSONAL PROTECTION / CONTROL PARAMETERS

PART A

Clothing: Impervious gloves, coveralls, apron, boots as necessary to prevent skin contact.

Eyes: Safety glasses with side shields.

Respiration: NIOSH approved organic vapor respirators are only required when ventilation is inadequate. NIOSH approved air-line respirators with auxiliary escape air tanks of self-contained breathing apparatus should be used in confined spaces.

Ventilation: Use local exhaust to control vapors/mists.

PART B

Clothing: Impervious gloves, coveralls, apron, boots as necessary to prevent skin contact.

Eyes: Safety glasses with side shields.

Respiration: NIOSH approved organic vapor respirators are only required when ventilation is inadequate. NIOSH approved air-line respirators with auxiliary escape air tanks of self-contained breathing apparatus should be used in confined spaces.

Ventilation: Use local exhaust to control vapors/mists.

9. PHYSICAL AND CHEMICAL PROPERTIES

PART A

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Color: Colorless

Form: Liquid

Odor: Polyol

Specific Gravity: Not available

Boiling Pt: Not available

Freezing Pt: Not available

Solubility: Partial

PART B

Color: Various Colors

Form: Liquid

Odor: No Odor

Specific Gravity: No data available

Boiling Pt: Not available

Freezing Pt: Not available

10. STABILITY AND REACTIVITY

PART A

Stability: Stable

Incompatibility: Strong acids, amines, mercaptans, base (in uncontrolled amounts).

Hazardous Decomposition Products: Thermal decomposition may produce Carbon Monoxide and/or Carbon Dioxide.

Hazardous Polymerization: Will not occur.

Conditions To Avoid: Strong acids, amines, mercaptans, base (in uncontrolled amounts).

PART B

Stability: Stable

Incompatibility: Strong acids, amines, mercaptans, base (in uncontrolled amounts).

Hazardous Decomposition Products: Thermal decomposition may produce Carbon Monoxide and/or Carbon Dioxide.

Hazardous Polymerization: Will not occur.

Conditions To Avoid: Strong acids, amines, mercaptans, base (in uncontrolled amounts), exposure to air, exposure to moisture.

11. TOXICOLOGICAL INFORMATION

PART A

No applicable data for this section

PART B

Toxicity Data for Dicyclohexylmethane-4,4' –Diisocyanate

Acute Oral Toxicity: Data not available

Acute Inhalation Toxicity: Data not available

Acute Dermal Toxicity: Data not available

Skin Irritation: Data not available

Eye Irritation: Data not available

Sensitization: Inhalation: sensitizer (guinea pig) **Dermal:** sensitizer (mouse, mouse ear swelling)

Repeated Dose Toxicity: Data not available

Mutagenicity: Genetic Toxicity in Vitro: Data not available

Toxicity to Reproduction/Fertility: Data not available

Carcinogenicity: IARC: Not classifiable (Group 3)

12. ECOLOGICAL INFORMATION (Non-Mandatory)

PART A

No applicable data for this section

PART B

No applicable data for this section

13. DISPOSAL INFORMATION (Non-Mandatory)

PART A

Waste Disposal: Dispose of in compliance with federal, state, or local environmental control regulations. Incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

13. DISPOSAL INFORMATION (Non-Mandatory) (continued)

PART B

Waste Disposal: Dispose of in compliance with federal, state, or local environmental control regulations. Incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

14. TRANSPORT INFORMATION (Non-Mandatory)

PART A

Not regulated by the Department of Transportation

PART B

DOT: UN Number 3382. Class 6.1. Packing Group: 1

15. REGULATORY INFORMATION (Non-Mandatory)

PART A

CERCLA: No

SARA Title III, Section 313: Not Listed

Section 311/312: N/A

Section 313: N/A

Hazardous Health Rating:

Health: 1

Fire: 1

Reactivity: 1

PART B

This product is hazardous under the criteria of the Federal OSHA Hazardous Communication Standard 29 CFR 1910.1200

CERCLA: Reportable Quantity: Over 5,000 lbs.

SARA Title III, Section 302: Not Listed

Section 311/312: Acute Health Hazard, Chronic Health Hazard

Section 313: Dicyclohexylmethane 4,4' Diisocyanate < 85%

Hazardous Health Rating:

Health: 4

Fire: 0

Reactivity: 0

16. OTHER INFORMATION

PART A

Hazard Statement(s)

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Precautionary Statement(s)

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16. OTHER INFORMATION (continued)

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P270 Do not eat, drink or smoke when using this product.

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P314 Get medical advice/attention if you feel unwell.

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

PART B

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H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

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H330 Fatal if inhaled.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

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P405 Store locked up.

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FURTHER INFORMATION

User is granted the ability to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. GLENDO, LLC. shall not be held liable for any damage resulting from handling or from contact with the above product.