

SAFETY DATA SHEET

Section 1 - Product and Company Identification

Product: Alumilite Regular "A" Side
Version #: Version #1
Date: August 1, 2015
CAS #: Non-Applicable
Product Use: Mold Making and Casting
Manufacturer/Supplier: Alumilite
Company Name: 315 E. North St.
Company Address: Kalamazoo, MI 49007
Telephone Number: 269-488-4000
Emergency Telephone: Chemtrec 1-800-424-9300

Section 2 - Hazards Identification

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
H304
H373
Highly flammable liquid and vapor.
May be fatal if swallowed and enter airways.
May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement(s)

P260
P264
P270
P301 + P312 + P330
Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth.
P314
P501
Get medical advice/ attention if you feel unwell.
Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None.

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Section 3 - Composition / Information on Ingredients

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.

Section 4 - First Aid

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.

Section 5 - Fire Fighting Measures

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

Fire Fighting Instructions: Treat as a class B fire.

Flash Point: > 300°F

Section 6 - Accidental Release Measures

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.

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Section 7 - Handling and Storage

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.

Section 8 - Exposure Controls & Personal Protection

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.

Section 9 - Physical & Chemical Properties

Color: Colorless

Form: Liquid

Odor: Polyol

Specific Gravity: Not available

Boiling Pt: Not available

Freezing Pt: Not available

Solubility: Partial

Section 10 - Stability & Reactivity

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).

Section 11 - Toxicological Information

No applicable data for this section

Section 12 - Ecological Information (Non Mandatory)

No applicable data for this section

Section 13 - Disposal Information (Non Mandatory)

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.

Section 14 - Transportation Information (Non Mandatory)

Not regulated by the Department of Transportation

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Section 15 - Regulatory Information (Non Mandatory)

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

Section 16 – Other Information

Hazard Statement(s)

H225 Highly flammable liquid and vapor.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enter airways.
H319 Causes serious eye irritation.
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.
P314 Get medical advice/ attention if you feel unwell.
P501 Dispose of contents/ container to an approved waste disposal plant.

To the best of our knowledge, the information contained herein is accurate. However, Alumilite does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with care. Although we have described herein all of the hazards to which we are currently aware, we cannot guarantee that these are the only hazards which exist. While the descriptions, designs, data, and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. Further, you expressly understand and agree that the descriptions, designs, data, and information furnished by Alumilite hereunder are given gratis and Alumilite assumes no obligation or liability for the description, designs, data, and information given or results obtained, all such being given and accepted at your risk.

Date: August, 2015
Document Number: 67315-05054 (A)

Safety Data Sheet Provided By: Modern Testing Services, LLC
244 Liberty Street, Unit 1-2, Brockton, MA 02301
Tel: (508) 638 1793 | Website: www.mts-global.com

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Section 1 - Product and Company Identification

Product: Alumilite Regular "B" Side
Version #: Version #1
Date: August 1, 2015
CAS #: Non-Applicable
Product Use: Mold Making and Casting
Manufacturer/Supplier: Alumilite
Company Name: 315 E. North St.
Company Address: Kalamazoo, MI 49007
Telephone Number: 269-488-4000
Emergency Telephone: Chemtrec 1-800-424-9300

Section 2 - Hazards Identification

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.

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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.
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.

Section 3 - Composition / Information on Ingredients

3.1 Substances

Synonyms:

Polymethylene polyphenyl isocyanate
PMDI

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.

Section 4 - First Aid

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.

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Section 5 - Fire Fighting Measures

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

Fire Fighting Instructions: Treat as a class B fire.

Flash Point: 369°F

Section 6 - Accidental Release Measures

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.

Section 7 - Handling and Storage

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.

Section 8 - Exposure Controls & Personal Protection

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 or self-contained breathing apparatus should be used in confined spaces.

Ventilation: Use local exhaust to control vapors/mists.

Section 9 - Physical & Chemical Properties

Color: Various Colors

Form: Liquid

Odor: No Odor

Specific Gravity: No data available

Boiling Pt: Not available

Freezing Pt: Not available

Section 10 - Stability & Reactivity

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.

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Section 11 - Toxicological Information

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)

Section 12 - Ecological Information (Non Mandatory)

No applicable data for this section

Section 13 - Disposal Information (Non Mandatory)

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.

Section 14 - Transportation Information (Non Mandatory)

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

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Section 15 - Regulatory Information (Non Mandatory)

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

Section 16 – Other Information

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.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
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Date: August, 2015
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