

SAFETY DATA SHEET

Section 1 - Product and Company Identification

Product: Alumilite Flexible Foam 3 lb. Density
Version #: Version #1
Date: June 14, 2015
CAS #: Non-Applicable
Product Use: Mold Making and Casting
Manufacturer/Supplier:
Company Name: Alumilite
Company Address: 315 E. North St.
Kalamazoo, MI 49007
Telephone Number: 269-488-4000
Emergency Telephone: Chemtrec 1-800-424-9300

Section 2 - Hazards Identification – “A” Side

2.1 Classification of the substance or mixture

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

Acute toxicity, Inhalation	Not Classified
Skin irritation	Not Classified
Eye irritation	Not Classified
Respiratory sensitization	Not Classified
Skin sensitization	Not Classified
Specific target organ toxicity	Not Classified

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word: Warning

Hazard Statement(s)

Precautionary Statement(s)

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

Harmful if swallowed. May cause skin irritation. May cause respiratory irritation.

Section 2 - Hazards Identification – “B” Side

2.1 Classification of the substance: (4.4' – Methylenebis (phenyl isocyanate))

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

Acute toxicity, Inhalation (Category 4), H332
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Respiratory sensitization (Category 1), H334
Skin sensitization (Category 1), H317
Carcinogenicity (Category 2), H351
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
Specific target organ toxicity - repeated exposure, Inhalation (Category 2), Respiratory system, H373

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2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word:

Danger

Hazard Statement(s)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs (Respiratory system) through prolonged or repeated exposure if inhaled.

Precautionary Statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P264	Wash skin thoroughly after handling.
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/ protective clothing/ eye protection/ face protection.
P285	In case of inadequate ventilation wear respiratory protection.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
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

Section 3 - Composition / Information on Ingredients – “A” Side

A list of ingredients was submitted for review and none of the ingredients are hazardous substances.

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Section 3 - Composition / Information on Ingredients – “B” Side

3.1 Substances	
Synonyms:	4,4'-MDI Bis (4-isocyanatophenyl) methane
Formula:	C ₁₅ H ₁₀ N ₂ O ₂
Molecular Weight:	250.25 g/mol
CAS-No.:	101-68-8
EC-No.:	202-966-0
Index-No.:	615-005-00-9

Hazardous components

Component	Classification	Concentration
Diphenylmethane-4,4'-diisocyanate		
	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; Resp. Sens. 1; Skin Sens. 1; Carc. 2; STOT SE 3; STOT RE 2; H315, H317, H319, H332, H334, H335, H351, H373	

Section 4 – First Aid

Eye Contact:	In case of eye contact, immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if irritation develops or persists.
Skin Contact:	In case of skin contact with contents of product, remove contaminated clothing and wash skin with soap and water. Get medical attention if irritation develops.
Inhalation:	Remove the affected person into fresh air. Assist in breathing if necessary.
Ingestion:	Drink large quantities of water if accidentally ingested. Get medical attention if any discomfort continues. Do not induce vomiting.

Section 5 - Fire Fighting Measures

Extinguishing Media:	Water. Foam. Dry powder. Carbon dioxide (CO ₂).
Fire Fighting Instructions:	Use standard firefighting procedures and consider the hazards of other involved materials.
Flash Point:	Side A: >200°F, Side B: Not known

Section 6 - Accidental Release Measures

General:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Avoid inhalation of vapors and contact with skin and eyes. Wear suitable protective clothing. See Section 8 of the MSDS for Personal Protective Equipment.
Waste Disposal:	Do not allow to enter drains, sewer or water course.

Section 7 - Handling and Storage

General:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Avoid contact with eyes. Avoid ingestion and inhalation.
Other:	Store in a cool, dry place. Keep container closed when not in use.

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Section 8 - Exposure Controls & Personal Protection

Clothing: The usual precautionary measures for handling chemicals should be followed.
Eyes: Wear fitted chemical goggles.
Respiration: The usual precautionary measures for handling chemicals should be followed.
Ventilation: The usual precautionary measures for handling chemicals should be followed.

Section 9 - Physical & Chemical Properties

	A Side	B Side
Appearance:	Liquid	Liquid
Color:	Clear	Yellow
Odor:	Mild	Mild
pH:	Not Known	Not Known
Boiling Point/Range:	Not known	200 °C
Melting Point/Range:	Not known	Not known

Section 10 - Stability & Reactivity

Chemical Stability: Stable under normal temperature conditions.
Conditions to Avoid: Avoid excess heat and source of source of ignition.
Incompatible Materials: Avoid contact with moisture. Keep away from strong base and acid.
Hazardous Decomposition: At thermal decomposition temperature, carbon monoxide and carbon dioxide.

Section 11 - Toxicological Information

Toxicity Data

	A Side	B Side
Acute Toxicity:	No information about product's acute toxicity available.	No information about product's acute toxicity available. LD50>25,000mg/kg
Inhalation:	No information available.	May cause chemical asthma.
Skin Contact:	May cause skin irritation.	May cause skin irritation.
Eye Contact:	May cause eye irritation.	May cause eye irritation.
Ingestion:	Not known. (May be fatal)	Not known. (May be fatal)
Chronic Toxicity:	No information about product's chronic toxicity available.	May cause chemical asthma.

Section 12 - Ecological Information (Non Mandatory)

Bioaccumulation: No information available.
Eco-toxicity Effects: No information available.
Mobility: No information available.

Section 13 - Disposal Information (Non Mandatory)

Waste Disposal: Dispose of waste and residues in accordance with local authority requirements.
Contaminated Packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 - Transportation Information (Non Mandatory)

Not a DOT controlled material. ORM-D. (US)



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Section 15 - Regulatory Information (Non Mandatory)

Under the criteria of the Federal OSHA Hazardous Communication Standard 29 CFR 1910.1200

Symbols, R/S Phrases: No data available.

Hazardous Health Rating: Health: 2 Fire: 1 Reactivity: 1

Section 16 – Other Information

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: June, 2015
Document Number: 67315-05027 (A, B)

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