



MATERIAL SAFETY DATA

Chemtrec 24-Hour Emergency Telephone

Domestic North America (800) 424-9300

International (800) 527-3887

This MSDS complies with 29 CFR 1910.1200 (Hazard Communications)

1. Product and Supplier Identification

Product Name:	Fiberfoam / Fiberfoam II, Side B
Product Number:	10415BF, 40120BF, 401213B, 4012B50F, 4013BF, 4015BF, 40192, 401D-B, 401F08B, 401F10B
Date of Prep:	10-22-2010
Product Type:	B – Polyol Urethane Resin
Supplier:	Fiberlay Inc. 24 S. Idaho S. Seattle, Wa 98134 (206)782-0660

2. Composition/Information On Ingredients

SIDE B			
CAS No.	Chemical Name	% (by weight)	Current TLV / PEL
N/A (mixture)	Hydroxyl Terminated Poly	70-90	N.E.
N/A (mixture)	Amine	Trace	N.E.

3. Hazards Identification

SIDE B	
Overview	Animal toxicity: <ul style="list-style-type: none"> • Oral, LD 50 NE • Dermal, LD 50 NE • Inhalation, LC 50 (4 hrs) NE • Aquatic, LC 50 (24 hrs) NE • Eyes NE • Skin NE
Inhalation	<ul style="list-style-type: none"> • Possible throat irritation • At room temperature, vapor inhalation is not considered hazardous, vapors may cause dizziness, tremors, arrhythmia and cardiac arrest
Skin	<ul style="list-style-type: none"> • Amine catalyst will cause irritation to the skin after prolonged contact

Eye Contact	<ul style="list-style-type: none"> Slight irritant
Ingestion	<ul style="list-style-type: none"> This is not considered a common occupational route of exposure, and no observable effects have been demonstrated
Chronic effects	<ul style="list-style-type: none"> Threshold limit Value (ACGIH): No TLV has been established for this product as a system OSHA: same as above

4. First Aid Measures

Eyes:

- Flush with clean, lukewarm water at low pressure for at least 15 minutes
- Consult a physician immediately

Skin:

- Remove contaminated clothing
- Wash exposed areas thoroughly with warm soapy water
- Contaminated clothing should be properly laundered before reusing

Ingestion:

- Induce vomiting
- Never induce vomiting or give anything to drink to an unconscious person

Inhalation:

- Remove victim from area of exposure to safe area
- If not breathing, give mouth to mouth resuscitation
- If Breathing is difficult, give oxygen
- Consult a physician immediately
- Note to Physician:**
- With regard to Side B:
 - ✓ Treatment based on symptoms

5. Fire Fighting Measures

DATA	SIDE B
Flash Point	325°F
Autoignition temperature	Not established
Combustion Products	

Fire and Explosion Hazards:

- Contact with finely divided reactive materials may cause reactions
- Decomposition products may be hazardous
- Do not cut, weld, or grind on or near container due to possible toxic fume generation or explosion due to flammable vapor residue
- Use explosion proof equipment where vapor concentrations can become ignitable
- Ground transfer lines and equipment

Extinguishing Media:

- Dry chemical extinguishers (monoammonium phosphate, potassium sulfate, potassium chloride)
- Carbon dioxide, high expansion (proteinic) chemical foam
- Water spray for large fires

Fire Fighting Instructions:

- Do not direct solid water stream or foam into hot, burning pools (may cause frothing and increase fire intensity)
- Use self-contained breathing apparatus and body covering protective clothing
- Burning can produce oxides of carbon and nitrogen

6. Accidental Release Measures

- Contain the spilled material
- Cover with loose, absorbent material such as:
 - ✓ Oildry
 - ✓ Vermiculite
 - ✓ Sawdust
 - ✓ Fuller's earth
- Shove waste material into proper waste containers
- Wash the contaminated area with hot soapy water
- Thoroughly ventilate area to remove vapors
- Transport container to well ventilated area
- treat with a neutralizing solution :
 - ✓ *Water & 3-8% concentrated ammonium hydroxide or*
 - ✓ *5-10% sodium carbonate*
 - ✓ Add approximately 10 parts of neutralizer per part of isocyanate with mixing
 - ✓ Allow to stand for 48 hours, letting CO₂ to escape

7. Handling and Storage

Storage Temperature (Min / Max): 65°F (18°C) to 75°F (24°C)

Average Shelf Life: Six (6) months from date of manufacture

Special Sensitivity (heat, light, moisture):

- This product is reactive with water
- Containers should be tightly sealed to prevent moisture contamination
- Do not expose to high temperatures for any length of time
- A nitrogen blanket should be used for bulk storage

Precautions in Handling and Storage:

- If contamination of the isocyanate is suspected:
 - ✓ Do not re-seal container because of possible rupture due to pressure build-up
 - ✓ Always slowly vent container when opening to relieve any pressure build-up

8. Exposure Controls / Personal Protection

Engineering Controls:

- Ventilation: Natural or mechanical
- Local exhaust will keep the TLV below minimum in most cases
- Spills or other emergencies may require more forceful ventilation means

Other:

- Safety showers and eye wash stations should be provided in all work areas
- All employees should be properly trained

Eye Protection:

- Liquid chemical goggles or full face shield
- No contact lenses should be worn

Skin Protection:

- Chemical resistant gloves such as natural rubber or polyvinyl alcohol
- Cover as much exposed skin as possible with appropriate clothing
- If skin creams are used, keep the area covered by the cream to a minimum

Respiratory Protection:

- This product has demonstrated no observable effects at room temperature
- Recommended that an air purifying respirator with organic filter cartridges be worn
- In any spray application, a supplied air source must be provided

Prevention Ingestion:

9. Physical and Chemical Properties

4,4 (Diphenylmethane Diisocyanate)

	Site B		Site B
Melting Point:	< 13°F	Physical Form	Liquid
Boiling Point:	Not established	Color	Amber
Vapor Pressure:	<50 mm Hg	Odor	Faint Ether-like
Vapor Density:	(Air=1): <1.0	Odor threshold:	Not established
Specific Gravity	Approx 1.05	% Volatiles by wt	0
Bulk Density	9.76 lb/gal		
Solubility in Water:	> 50%		

10. Stability and Reactivity

	SIDE B
Stability:	Stable
Hazardous Polymerization:	<ul style="list-style-type: none"> Will not occur
Materials and Conditions to Avoid:	<ul style="list-style-type: none"> oxidizing materials isocyanates acids alkali or alkaline earth metals (aluminum, zinc, beryllium, and copper)
Hazardous Decomposition Products:	<ul style="list-style-type: none"> Aliphatic Fragments, CO, CO₂

11. Toxicological Information

Side B:

- Threshold Limit Value (ACGIH): No TLV has been established for this product as a system
- Permissible Exposure Limit (OSHA: No TLV has been established for this product as a system)

12. Ecological Information

13. Disposal Considerations

Waste Disposal Method:

- Waste material may be incinerated or disposed of under local, state and federal regulations controlling environmental protection
- This material is not a hazardous waste under RCRA 40 CFR 261

14. Transport Information

Shipping Data:

	Side B
Technical Shipping Name:	Polypropylene Glycol
Freight Class (Bulk):	Polypropylene Glycol
Freight Class Package	Polypropylene Glycol
UN Number	None
Product Label:	Established
Placards Required:	None; HMIS: H-1, F-1, R-0

DOT (Domestic Surface) (HM-181)

	Side B
Proper Shipping Name:	Non regulated
Reportable quantity:	
Hazard Class or Division: Bulk	Non regulated
Hazardous Substance	None
Hazard Placard(s), Bulk	None
IMO / IMDG Code (Ocean)	Not regulated
TDG:	Not regulated
IARA/ICAO Class:	Not regulated

15. Regulatory Information

	Side B
OSHA Classification	None
TSCA Regulations:	All ingredients are on the TSCA chemical substance inventory
EPCRA Section 313 (40 CFR 372)	This product contains no chemicals required for reporting.
CERCLA	None
WHMIS Controlled Products Regulations Classification	Not established
Canadian Classification:	Not established
CEPA / Canadian Domestic Substance List (DSL)	Not established
Other regulations / legislation:	None Determined
Ozone	This product does not contain any ozone depleting substances.

16. Other Information

HMIS Hazard Classification Side B:

Health: 1 Flammability: 1 Reactivity: 0

Preparation Date: 10-22-2010

Prepared by: Fiberlay Inc

Comments: This Material Safety Data Sheet was prepared using information provided by Hydroseal Polymers Inc, Fiberlay Inc, and CCINFO

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Revisions: None