

MATERIAL SAFETY DATA SHEET

DYNAFLEX JF 85 COMPONENT A

1. Product And Company Identification	
Manufacturer NOX-CRETE MANUFACTURING INC 1444 SOUTH 20TH STREET OMAHA, NE 68108	Contact Information FAX Number: 402-341-9752 E-Mail: corporate@nox-crete.com Web Site: www.nox-crete.com
Emergency Phone Number CHEMTREC: 800-424-9300 CHEMTREC OUTSIDE OF U.S.: 703-527-3887	Manufacturer Phone Number 402-341-2080
Issue Date: 07/28/2010 Product Name: DYNAFLEX JF 85 COMPONENT A Chemical Family: Isocyanate MSDS Number: 226 Product Code: DYJF85A	

2. Hazards Identification
Primary Routes(s) Of Entry Eye Contact, Ingestion, Inhalation, Skin Contact
Eye Hazards Causes eye irritation.
Skin Hazards Causes skin irritation. Skin sensitizer.
Ingestion Hazards Ingestion may cause severe irritation and possible tissue destruction to mucous membranes of the mouth, throat, esophagus and stomach.
Inhalation Hazards Harmful if inhaled. Lung sensitizer. Lung irritant.

3. Composition/Information On Hazardous Ingredients			
	Ingredient Name	CAS Number	
	4,4'-DIPHENOLMETHANE DIISOCYANATE	101-68-8	
	BIS(2-ETHYLHEXYL)1-,4-benzenedicarboxylate	6422-86-2	
	DIPHENOLMETHANE DIISOCYANATE	26447-40-5	
	.		

4. First Aid Measures
Eye In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin Remove contaminated clothing and shoes. Wash affected areas with soap and water. Wash clothing before reuse. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

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4. First Aid Measures - Continued

Ingestion

If swallowed, do not induce vomiting. Get medical attention immediately.

Inhalation

If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or symptoms persist. If breathing is difficult, give oxygen.

5. Fire Fighting Measures

Flash Point: >230 °F >110 °C

Flash Point Method: PMCC

Fire And Explosion Hazards

Container may rupture on heating.

Extinguishing Media

Use CO2 (Carbon Dioxide), dry chemical, or foam. If water is used, very large quantities are required. Reaction between hot isocyanate and water may be vigorous.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear while fighting fires containing any chemicals.

6. Accidental Release Measures

Cleanup should only be performed by trained personnel. People dealing with major spills should wear full protective clothing including respirator protection. Evacuate the area. Eliminate any ignition source. Dike or impound spilled material. Contain and absorb large spills onto an inert, non-flammable absorbent carrier (such as earth or sand). Shovel into open top drum for further decontamination, if necessary. Wash the spill area clean with liquid decontaminate solution. Test atmosphere for MDI vapor. Neutralize small spills with liquid decontaminate. Remove and properly dispose of residues.

PREPARATION OF DECONTAMINATION SOLUTION : Prepare a decontamination solution of (0.2--0.5 % liquid detergent and 3--8 % concentrated ammonium hydroxide in water (5-10% sodium carbonate may be substituted for the ammonium hydroxide). Follow the precautions on the supplier's material safety data sheets when preparing and using the solution.

USE OF DECONTAMINATION SOLUTION: Allow deactivated material to stand for at least 30 minutes before shoveling into drums. Do not tighten drum bungs. Mixing with wet earth is also effective but slower. Dike or impound spilled material. Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Collect into vapor tight containers and dispose of properly.

7. Handling And Storage

Handling Precautions

Keep container closed when not in use. Use only with adequate ventilation.

Storage Precautions

Store product in a cool, dry environment away from sources of ignition.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

8. Exposure Controls/Personal Protection

Engineering Controls

Use with adequate ventilation to keep product vapor concentrations below specified TLV.

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8. Exposure Controls/Personal Protection - Continued

Eye/Face Protection

Chemical goggles and/or face shields are required to prevent potential eye contact, irritation or injury.

Skin Protection

Wash exposed skin frequently with soap and water. Soiled clothing should be laundered before reuse.

Respiratory Protection

Avoid breathing the product. The use of a NIOSH approved positive air supplied respirator is recommended whenever the airborne concentrations exceeds the TLV or when there is a high concentration of product in the air such as created by spraying the product. Air purifying (cartridge type) respirators are not approved for protection against diisocyanates.

Ingredient(s) - Exposure Limits

4,4'-DIPHENOLMETHANE DIISOCYANATE

TLV .05 mg/M3 (8-hour, 40 hours/week)

BIS(2-ETHYLHEXYL)1-,4-benzenedicarboxylate

Not Established

DIPHENOLMETHANE DIISOCYANATE

0.005 ppm

9. Physical And Chemical Properties

Appearance

Pale yellow liquid with slight musty odor

Chemical Type: Mixture

Physical State: Liquid

Specific Gravity: Heavier than water

Packing Density: 9.55 lbs per gallon 1.146 kg per liter

Solubility: Insoluble

Evaporation Rate: Slower than ether

Flash Point: >230 F >110 C

10. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: May occur if in contact with moisture.

Incompatible Materials

Water, alcohol, amines, strong bases and acids

Hazardous Decomposition Products

Combustion may produce carbon monoxide, carbon dioxide, nitrous oxide, and trace amounts of HCN, MDI.

11. Toxicological Information

Chronic/Carcinogenicity

No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC).

12. Ecological Information

No Data Available...

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13. Disposal Considerations

Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all applicable local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

14. Transport Information

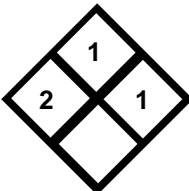
No Data Available...

15. Regulatory Information

SARA Section 313 Notification

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material.

CHEMICAL	CAS #	MAX WEIGHT %
Diisocyanate Compounds	(Category Code N120)	18.0

<u>NFPA</u>	<u>HMIS</u>								
	<table border="1"><tr><td>HEALTH</td><td>2</td></tr><tr><td>FLAMMABILITY</td><td>1</td></tr><tr><td>REACTIVITY</td><td>1</td></tr><tr><td>PERSONAL PROTECTION</td><td>X</td></tr></table>	HEALTH	2	FLAMMABILITY	1	REACTIVITY	1	PERSONAL PROTECTION	X
HEALTH	2								
FLAMMABILITY	1								
REACTIVITY	1								
PERSONAL PROTECTION	X								

16. Other Information

Revision/Preparer Information

MSDS Preparer: David MacFarlane

This MSDS Supersedes A Previous MSDS Dated: 08/21/2007

Reference Documentation

The information contained herein is based on data available to us and is believed to be correct. Since this information may have been obtained in part from independent laboratories or other sources not under our direct supervision, no representation is made that the information is accurate, reliable, complete or representative and Buyer may rely thereon only at Buyers risk. We have made no effort to censor or to conceal deleterious aspects of this product. Further since we cannot anticipate or control the many different conditions under which this information or our products may be used, we make no guarantee that the health and/or safety precautions we have suggested will be adequate for all individuals and /or situations involving its handling or use. Likewise, we make no guarantee or warranty of any kind that the use or disposal of this product is in compliance with all federal, state or local laws. It is the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

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