

# MATERIAL SAFETY DATA SHEET

## DYNAFLEX JF 85 COMPONENT B

<b>1. Product And Company Identification</b>	
<b>Manufacturer</b> NOX-CRETE MANUFACTURING INC 1444 SOUTH 20TH STREET OMAHA, NE 68108	<b>Contact Information</b>  FAX Number: 402-341-9752 E-Mail: corporate@nox-crete.com Web Site: www.nox-crete.com
<b>Emergency Phone Number</b> CHEMTREC: 800-424-9300 CHEMTREC OUTSIDE OF U.S.: 703-527-3887	<b>Manufacturer Phone Number</b> 402-341-2080
Issue Date: 07/28/2010 Product Name: DYNAFLEX JF 85 COMPONENT B Chemical Family: HARDENER MSDS Number: 227 Product Code: DYJF85B	

<b>2. Hazards Identification</b>
<b>Primary Routes(s) Of Entry</b> Eye Contact, Ingestion, Inhalation, Skin Contact
<b>Eye Hazards</b> May cause extreme irritation, burns and corneal injury.
<b>Skin Hazards</b> May cause burns or external ulcers.
<b>Ingestion Hazards</b> Causes severe digestive tract burns.
<b>Inhalation Hazards</b> May cause nose, throat, and lung irritation.
<b>Conditions Aggravated By Overexposure</b> Respiratory or skin infections.

<b>3. Composition/Information On Hazardous Ingredients</b>			
Ingredient Name	CAS Number		
BIS(2 ETHYLHEXYL)-1,4-BENZENEDICARBOXYLATE	6422-86-2		
Diethyltoluenediamine	68479-98-1		
N,N'-di-sec-butyl-p-phenylenediamine	101-96-2		
N,N'-Dialkylaminodiphenylmethane	5285-60-9		
Polyoxyalkyleneamine	64852-22-8		
Polyoxypropylenediamine	9046-10-0		
TITANIUM DIOXIDE	13463-67-7		

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### 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.

#### 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.

### 5. Fire Fighting Measures

**Flash Point:** > 275 °F > 135 °C

**Flash Point Method:** PMCC

#### Extinguishing Media

Use CO<sub>2</sub> (Carbon Dioxide), dry chemical, or foam.

#### Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear. Toxic fumes will be evolved when this material is involved in a fire.

### 6. Accidental Release Measures

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 And Storage Precautions

Keep containers tightly closed. Use only with adequate ventilation.

#### Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

### 8. Exposure Controls/Personal Protection

#### Eye/Face Protection

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

#### Skin Protection

Wear chemical resistant gloves and appropriate protective clothing and boots as required to prevent skin contact.

#### Respiratory Protection

General room ventilation is normally adequate. Avoid breathing the product mist. The use of a NIOSH approved respirator is recommended whenever the airborne concentrations exceed the TLV.

#### Ingredient(s) - Exposure Limits

BIS(2 ETHYLHEXYL)-1,4-BENZENEDICARBOXYLATE

Not Established

Diethyltoluenediamine

Not Established

N,N'-di-sec-butyl-p-phenylenediamine

Not Established

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### 8. Exposure Controls/Personal Protection - Continued

#### Ingredient(s) - Exposure Limits - Continued

N,N'-Dialkylaminodiphenylmethane  
Not Established  
Polyoxyalkyleneamine  
Not Established  
Polyoxypropylenediamine  
Not established  
TITANIUM DIOXIDE  
TWA 10 mg/M3 total dust

### 9. Physical And Chemical Properties

#### Appearance

Viscous liquid with slight organic odor.

**Chemical Type:** Mixture

**Physical State:** Liquid

**Specific Gravity:** Heavier than water

**Packing Density:** 8.7 lbs per gal      1.044 kg per liter

**Solubility:** Insoluble

**Evaporation Rate:** Slower than ether

### 10. Stability And Reactivity

**Hazardous Polymerization:** Will not occur

#### Incompatible Materials

Strong oxidizing agents, mineral acids, and epoxy resins under uncontrolled situations.

#### Hazardous Decomposition Products

Incomplete combustion may produce carbon monoxide, carbon dioxide, oxides of nitrogen, ammonia, aldehydes and ketones.

### 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...

### 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...

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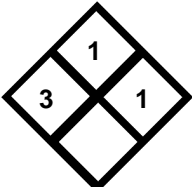
### 15. Regulatory Information

#### SARA Section 313 Notification

This product does not contain any ingredients, at or exceeding the De Minimus reporting level, regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

#### State Regulations

Proposition 65: WARNING. This product contains one or more chemicals known to the State of California to cause cancer and/or reproductive toxicity.

<u>NFPA</u>	<u>HMIS</u>
	HEALTH <input type="text" value="3"/>
	FLAMMABILITY <input type="text" value="1"/>
	REACTIVITY <input type="text" value="1"/>
	PERSONAL PROTECTION <input type="text" value="X"/>

### 16. Other Information

#### Revision/Preparer Information

MSDS Preparer: David MacFarlane

This MSDS Supersedes A Previous MSDS Dated: 07/08/2002

#### 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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