MATERIAL SAFETY DATA SHEET

PREFORM HB COMPONENT B

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: PREFORM HB COMPONENT B
Chemical Family: Isocyanate
MSDS Number: 146
Product Code: PFHBB

2. Hazards Identification

Primary Routes(s) Of Entry
Eye Contact, Ingestion, Inhalation, Skin Contact

Eye Hazards
May cause eye irritation.

Skin Hazards
May cause skin irritation.

Ingestion Hazards
Ingestion may cause severe irritation and possible tissue destruction to mucous membranes of the mouth, throat, esophagus and stomach.

Inhalation Hazards
May cause respiratory tract irritation.

3. Composition/Information On Hazardous Ingredients

Ingredient Name	CAS Number		
4,4'-DIPHENOLMETHANE DIISOCYANATE	101-68-8		
DIPHENOLMETHANE DIISOCYANATE	26447-40-5		
POLYMERIC DIPHENYLMETHANE	9016-87-9		

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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.

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.

5. Fire Fighting Measures

Flash Point: > 390 °F >200 °C
Flash Point Method: PMCC

Fire And Explosion Hazards

Container may rupture on heating.

Extinguishing Media

Use CO2 (Carbon Dioxide), dry chemical, or foam.

Fire Fighting Instructions

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

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 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.

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
0.005 ppm
DIPHENOLMETHANE DIISOCYANATE
0.005 ppm

8. Exposure Controls/Personal Protection - Continued

Ingredient(s) - Exposure Limits - Continued

POLYMERIC DIPHENYLMETHANE
.005 ppm

9. Physical And Chemical Properties

Appearance

Brown liquid with slight musty odor

Chemical Type: Mixture
Physical State: Liquid
Boiling Point: 400 °F 205 °C
Specific Gravity: Heavier than water
Packing Density: 10.3 lbs per gallon 1.236 kg per liter
Solubility: Insoluble
Evaporation Rate: Slower than ether
Flash Point: >390 F >200 C

10. Stability And Reactivity

Stability: Stable
Hazardous Polymerization: May occur if in contact with moisture.

Incompatible Materials

Water, alcohol, amines, strong bases.

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...

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.

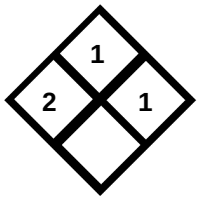
CHEMICAL	CAS #	MAX WEIGHT %
Polymeric Dyphenolmethane Diisocyanate	9016-87-9	55.0

15. Regulatory Information - Continued

SARA Section 313 Notification - Continued

4,4'-Diphenylmethane Diisocyanate	101-68-8	35.0

NFPA



HMIS

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: 07/11/2006

Reference Documentation

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