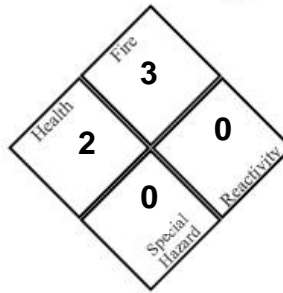




Material Safety Data Sheet
INNOTECH POLYUREA SB 85
Part A & B Kit

NFPA Rating



HMIS Rating

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

Revision Date: 4/20/2010
Version: 1

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File Name: *MSDS Polyurea SB 85*

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION:

Company:
Innotech Decorative Concrete Products
2055 Enterprise Parkway
Twinsburg, OH 44087
877.829.7880

24-Hour Emergency Response Information
CHEMTREC: 800.424.9300

Chemical Family: Paint
Synonyms: N/A

2. COMPOSITION/INFORMATION ON INGREDIENTS:

CAS NO.:	CHEMICAL NAME:	EXPOSURE LIMITS
68082-29-1	Polyamidoamine	Not Established
112-24-3	Triethylenetetramine	Not Established
Part B		
28182-81-2	Hexane, 1,6 diisocyanato-homopolymer	Not established
1330-20-7	Xylene	100 ppm

3. HAZARD IDENTIFICATION:

Routes of Exposure: Inhalation, Ingestion, eyes, and Skin.

Health Hazards:

Acute: May cause eye, skin, gastrointestinal, and lung irritation. May cause central nervous system depression.
Chronic: Prolonged and repeated exposures to high concentrations may cause hearing loss. May cause anemia, decreased blood cell count, and bone marrow hyperplasia. Liver and kidney damage may occur.
Exposure to toluene may affect the developing fetus.

Skin Contact: May cause irritation and redness. Prolonged or repeated exposure can cause defatting and drying of the skin, which may result in a burning sensation and a dried, cracked appearance.

Eye Contact: May cause redness, tearing, and irritation of the eyes. Direct contact may cause permanent eye damage.

Inhalation: Solvent vapors of Part B can cause damage to kidneys and liver. Spray mist harmful to the respiratory system.

Ingestion: May cause irritation to the mouth, esophagus, and stomach.

4. FIRST-AID MEASURES:

Skin: Flush skin with copious amounts of water. Do not wash with alcohols. Remove contaminated clothing and shoes.

Eyes: Flush with a gentle but large stream of clean water for 15 minutes, lifting the lower and upper eyelids occasionally. Call a physician if irritation persists.

Inhalation: Move to fresh air and provide oxygen if breathing is difficult. Seek medical attention.

Ingestion: DO NOT INDUCE VOMITING. Give large quantities of water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES:

Flash Point (TCC): >200° F (A) 81° F (B)

Flammable Limits (% volume in air): LEL=1.0 UEL= 7.0

Extinguishing Media: Dry chemical, CO2, alcohol-resistant foam

Special Fire Fighting Procedures: Evacuate area and fight fire from a distance. Firefighters wear NIOSH approved self-contained breathing apparatus. Cool containers exposed to fire with water. Both components are slippery if spilled.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:

Contain spill and absorb. Keep product from entering storm drains. Use recommended personal protective clothing and equipment. Equipment used when handling this product must be grounded.

Environmental precautions:

Follow all Federal, State and Local regulations when storing and disposing of substances. Do not allow material to run off work area, excess material should be absorbed or vacuumed and disposed of in accordance with regulations. Consult local and federal guidelines for proper disposal of these materials.

Waste Disposal Method: Dispose of material in accordance with federal, state, and local guidelines. Disposed material is not a RCRA hazardous waste.

7. HANDLING and STORAGE:

Normal Handling: Always wear recommended personal protective equipment. Avoid breathing spray or mist. Avoid contact with eyes, skin, and clothing. Spills will create a slippery surface. Use good personal hygiene and housekeeping.

Storage: Keep containers closed. Store the material in clean plastic or steel containers. Separate from acids, reactive metals, bases, and alcohols. Store between 0°C-40°C.

Waste Disposal Method: Dispose of material in accordance with federal, state, and local guidelines. Disposed material is not a RCRA hazardous waste.

Shelf Life:

12 months

8. EXPOSURE CONTROLS and PERSONAL PROTECTION:

Respiratory Protection: Use a NIOSH-approved organic vapor respirator when exposure level cannot be maintained below limits.

Ventilation: Provide adequate mechanical ventilation to keep exposure levels below TLV's.

Protective Gloves: Wear impervious chemical gloves.

Eye Protection: Wear chemical safety glasses.

Other Protective Clothing or Equipment: As needed to prevent repeated/prolonged contact.

Work/Hygienic Practices: Use only in adequately-ventilated area unless recommended respiratory protection is used. Wash thoroughly with soap and water after handling and before eating, smoking, or using washroom. If clothes become contaminated, change to clean clothing and wash contaminated clothes before re-use.

9. PHYSICAL and CHEMICAL PROPERTIES:

Form:	Liquid
Odor:	Aromatic Hydrocarbon
Color:	Clear, slightly hazy
pH value:	Unspecified
Total solids/Non-volatiles:	<82
Total VOC:	<400 g/l
Specific gravity:	0.97 (A) 1.17 (B) (H ₂ O = 1)
Boiling point:	Unknown
Vapor density:	4.5 (Air=1)
Vapor pressure:	Unknown
Evaporation Rate:	Unknown
Solubility in water:	Immiscible

10. STABILITY and REACTIVITY:

Reactivity: Stable

Conditions to avoid: Excess heat.

Incompatibility (Materials to Avoid): **Part A**-Epoxy resins, isocyanates, acids, bases, active metals. **Part B**-Alcohols, amines, water, and substances with active hydrogen. Reaction with water forms carbon dioxide, which can build pressure in tightly closed containers.

Hazardous Decomposition (Byproducts): **Part A & B**-Carbon monoxide, carbon dioxide, nitrogen oxide, and aldehydes.

Hazardous Polymerization: Should not occur under normal conditions.

11. TOXICOLOGY INFORMATION:

SARA 311/312:

Acute Health Hazard

Flammable substance

Chronic Health Hazard

SARA 313:

Xylene 18% by weight

12. ECOLOGICAL INFORMATION:

Biodegradation:

Test method: Unspecified

Analysis method: Unspecified

Degree of elimination: Unspecified

Environmental toxicity:

Acute and prolonged toxicity to fish: Unspecified

Toxicity to microorganisms: Unspecified

Other ecotoxicological advice: Unspecified

13. DISPOSAL CONSIDERATIONS:

Waste disposal of substance:

Dispose of material in accordance with federal, state, and local guidelines. Disposed material is not a RCRA hazardous waste

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Special Precautions:

Do not cut, drill, or weld on or near the containers.

RCRA:

Unspecified.

14. TRANSPORTATION INFORMATION:

Land transportation:

US DOT Shipping Class: Paint, 3, UN1263, PG III

Sea transportation:

IMDG: Unspecified

Air transportation:

IATA/ICAO: Unspecified

15. REGULATORY INFORMATION:

Federal Regulations:

Registration status:

TSCA, US :

Unspecified

OSHA hazard category:

None

SARA hazard category (EPCRA 311/312):

Acute Health Hazard, Flammable Substance

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16. OTHER INFORMATION:

NFPA Rating:

Health: 2 Fire: 3 Reactivity: 0 Special Hazard: none

HMIS III Rating:

Health: 2 Flammability: 3 Physical Hazard: 0
Personal Protection: B

Both NFPA and HMIS III rating systems use a numbering scale that ranges from 0 to 4 to indicate the degree of hazard. A value of zero means the substance possesses no hazard while a value of four indicates high hazard.

HMIS III personal protection ratings A-K are specified by HMIS, while this manufacturer specifies ratings L-Z please review section 8 for specific safety equipment recommended for use with this product.

Reason for Revision:

New Product Document

Reviewed:

04/20/2010

Local Contact Information:

Innotech Decorative Concrete Products
877.829.7880 (8 a.m. to 5 p.m., M-F, EST)
www.innotechdcp.com

24-Hour Emergency Response Information:

CHEMTREC: 800.424.9300

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END OF DATA SHEET