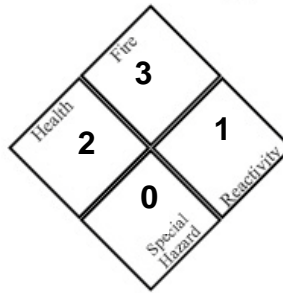




NFPA Rating



HMIS Rating

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	1
PERSONAL PROTECTION	G

Material Safety Data Sheet INNOTECH SURPRO SB - PART B

Revision Date: 0110
Version: 1

Page No.: 1 of 6
File Name: *Surpro SB Part B MSDS_v011810*

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: Solventborne Polyisocyanate Curing Agent
Synonyms: Unspecified

2. COMPOSITION/INFORMATION ON INGREDIENTS:

CAS NO.:	CHEMICAL NAME:	PERCENTAGE
28182-81-2	Homopolymer of Hexamethylene Diisocyanate	<75%
123-86-4	N-Butyl Acetate	<15%
1330-20-7	Xylene	<15%
64742-95-6	Aromatic Petroleum Distillates	<5%

3. HAZARD IDENTIFICATION:

Emergency overview:

CAUTION! Overexposure to airborne isocyanates can irritate respiratory tract. Overexposure to vapor can cause narcosis and dizziness. Overexposure to skin and eyes may cause irritation, skin sensitization and allergic reaction in some individuals

- Avoid inhalation of mists/vapors. Use local exhaust ventilation.
- Wear NIOSH-approved chemical splash goggles.
- Wear chemical-resistant gloves and protective clothing.
- Wear a NIOSH-approved vapor respirator.

Potential health effects:

Primary Routes of Entry-

Liquids: Eye and skin contact, and ingestion.
Vapors/Mists: Inhalation and eye contact.

4. FIRST-AID MEASURES:

General advice:

Remove victim from area of contact.

If in eyes:

Rinse eyes immediately with large doses of water for at least 15-20 minutes, occasionally lifting upper and lower eyelids, until no evidence of evidence remains. Get immediate medical attention.

If on skin:

Remove contaminated clothing and shoes. Wash area of contact with soap or mild detergent with large doses of water until no evidence of chemical remains. In case of chemical burns, cover area with proper dressing and bandage securely, but not tightly. Seek medical attention if irritation develops and persists.

If inhaled:

Move to fresh air; administer oxygen or artificial respiration by qualified person if breathing has stopped. Seek immediate medical attention.

If swallowed:

Do not induce vomiting. Wash mouth out with water. Do not give anything by mouth to an unconscious person.

Note to physician:

Eyes: Stain for evidence of corneal injury.

Skin: This compound is a skin sensitizer. Treat symptomatically for contact dermatitis or chemical burn.

Ingestion: Treat symptomatically. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES:

Flash point:

> 82° F. (C.O.C)

LEL:

1.7% for the solvent

UEL:

7.5% for the solvent

Suitable extinguishing media:

Use dry chemical, carbon dioxide or regular foam. For larger fires use regular foam, fog or water spray. Move containers away from fire area if can be done without risk. From a safe distance and keeping upwind, apply flooding amounts of water to sides of container exposed to fire for cooling purposes until well after the fire is extinguished. (2008 Emergency Response Guidebook, Guide #128)

Hazards during fire-fighting:

Vapors may form explosive mixtures in the air. Vapors are heavier than air and may travel a considerable distance to a source of ignition and flashback. Containers may explode when exposed to extreme heat or when contents are contaminated with water (CO₂ formed). Use cool water spray to cool fire-exposed containers.

Protective equipment for fire-fighting:

Wear NFPA-approved self-contained breathing apparatus, helmet, hood, boots and gloves.

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions:

Eliminate all ignition sources. Use recommended personal protective clothing and equipment. To prevent slipping, do not walk through spilled material. Use non-sparking tools for transferring absorbed material. 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, and material should be absorbed, collected and disposed of in accordance with regulations.

Keep product from entering storm drains. Consult local and federal guidelines for proper disposal of these materials.

Cleanup:

- For small amounts of released material: Spills may be covered and absorbed with inert, non-combustible absorbent (e.g. kitty litter) and transferred to an open head metal container for disposal.

- For large amounts of released material: Dike around spilled material to contain. Minimize vapors with fire-fighting foam. Spills may be covered and absorbed with non-combustible absorbent (e.g. kitty litter) and transferred to an open head metal containers for disposal.

7. HANDLING and STORAGE:

Handling:

General advice-

No specific measures are necessary provided product and recommended protective clothing/equipment are used correctly. Do not mix with other chemicals. This is a commercial product, not intended for home use. Keep out of reach of children.

Storage:

General advice-

Protect against physical damage. Store in tightly closed containers to prevent moisture contamination. Do not reseal if contamination is suspected. All equipment should be bonded and grounded before transferring to avoid static electricity hazard.

Shelf Life:

12 months

8. EXPOSURE CONTROLS and PERSONAL PROTECTION:

Advice on system design:

Provide local exhaust ventilation to control vapors/mist for published exposure limits.

Personal protective equipment (HMIS rating 'G'):

Eye protection: Wear safety glasses with side shields or safety goggles to prevent exposure or full face shield if splash hazard exists.

Skin protection: Solvent-resistant gloves. Must wear appropriate protective (impervious) clothing and equipment (covering as much skin area as possible) to prevent possible skin contact.

Respiratory protection: If spray applied or TLV exceeded, use proper NIOSH-OSHA approved respirator.

General safety and hygiene measures: Exercise stringent hygiene practices to minimize exposure. If contact occurs, wash any body part with soap and water immediately. Wash hands after use, and before eating, drinking or smoking.

Other protective measures: Unspecified

Exposure Guidelines:

ACGIH TLV: 150 ppm (123-86-4) and 100 ppm (1330-20-7)

STEL: 200 ppm (123-86-4) and 150 ppm (1330-20-7)

OSHA PEL: 150 ppm (123-86-4) and 100 ppm (1330-20-7)

9. PHYSICAL and CHEMICAL PROPERTIES:

Form:	Liquid
Odor:	Sweet Solvent Odor
Color:	Clear, pale yellow
pH value:	N/A
Solvent content:	Approximately 35%
Total solids/Non-volatiles:	Approximately 65%
Regulatory VOC:	340 g/l when mixed with Surpro SB Part B
Solvents by weight:	3.1 lbs/gal
Specific gravity:	1.06 (H ₂ O = 1)
Solidification temperature:	Not Established
Freezing/Melting point:	Not Established
Boiling point:	212 °F
Vapor density:	> than Air (Air = 1)
Vapor pressure:	8.6 mm Hg @ 212 °F (100 °C) estimated
Evaporation Rate:	<0.8 (Butyl Acetate=1)
Solubility in water:	Insoluble

10. STABILITY and REACTIVITY:

Conditions to avoid:

Heat, flames and sparks

Substances to avoid:

Water, amines, strong bases, alcohols, strong oxidizing agents.

Hazardous reactions:

Product is chemically stable under normal conditions of use and storage. Polymerization may occur upon contact with moisture or other isocyanate reactive substances or at temperatures above 350°F.

Decomposition or By-products:

In fire conditions carbon monoxide (CO), carbon dioxide (CO₂), oxides of nitrogen products, dense black smoke, isocyanate, isocyanic acid, and hydrogen cyanide.

Corrosion to metals:

Not determined or expected.

11. TOXICOLOGY INFORMATION:

Acute Toxicity:

Oral: Ingestion and/or vomiting may cause aspiration into the lungs resulting in inflammation of the lungs. Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea.

Eye: Exposure to product may cause severe irritation with reddening, tearing, and stinging and possible corneal injury. Overexposure to vapor may cause burning, tearing and conjunctivitis

Skin: Overexposure can cause irritation with reddening, itching and swelling. Sensitized persons can experience an allergic skin reaction with symptoms of reddening, itching, swelling and rash.

Inhalation: Can cause irritation of the upper respiratory tract and mucous membranes with symptoms of coughing, sore throat and runny nose. May also cause dizziness, weakness, fatigue and headache.

Sensitization: Skin: Yes Respiratory: Yes

Chronic Toxicity:

Skin: Chronic exposure can cause skin sensitization. Sensitized persons may experience an allergic skin reaction with symptoms of reddening, itching, swelling and rash.

Inhalation: In certain individuals, repeated overexposures can cause sensitization to polyisocyanates which, upon exposure, can cause asthma-like symptoms including chest tightness, wheezing cough, shortness of breath and asthmatic attack. Chronic exposure to solvents has been associated with neurotoxic effects, including brain and nervous system damage.

Other information: No carcinogenic substances as defined by IARC, NTP and/or OSHA.

12. ECOLOGICAL INFORMATION:

Biodegradation:

Test method: Unspecified

Analysis method: Unspecified

Degree of elimination: Not expected to be readily biodegradable.

Environmental toxicity:

Acute and prolonged toxicity to fish: Not Established

Toxicity to microorganisms: Not Established

Other ecotoxicological advice: Not Established

13. DISPOSAL CONSIDERATIONS:

Waste disposal of substance:

Dispose of in accordance with all Federal, State and Local regulations when storing and disposing of substances. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA (EPA regulations for hazardous waste).

Container disposal:

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

RCRA:

Unspecified.

14. TRANSPORTATION INFORMATION:

Land transportation:

US DOT Shipping Class: Paint, 3, UN1263, III; (Flash Point Greater Than 73° F.) ERG#128

Sea transportation:

IMDG: Unspecified

Air transportation:

IATA/ICAO: Unspecified

15. REGULATORY INFORMATION:

Federal Regulations:

Registration status:

TSCA, US:

All components are listed or exempt.

OSHA hazard category:

Hazardous – Flammable, Sensitizer

SARA hazard category (EPCRA 311/312):

Acute health hazard, Chronic health hazard

CAS Number:

1330-20-7

Chemical Name:

Xylene

**Material Safety Data Sheet
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16. OTHER INFORMATION:

NFPA Rating:

Health: 2 Fire: 3 Reactivity: 1 Special Hazard: none

HMIS III Rating:

Health: 2 Flammability: 3 Physical Hazard: 1
Personal Protection: G (safety glasses, chemical-resistant gloves, protective clothing and vapor respirator)

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:

MG/0110

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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