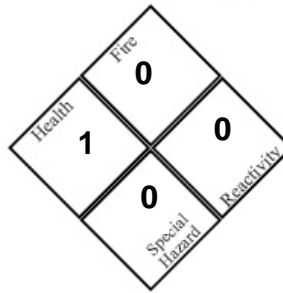




NFPA Rating



HMIS Rating

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

**Material Safety Data Sheet**  
**INNOTECH CONCRETE DEGREASER**  
**AND NEUTRALIZER**

Revision Date: 0110  
Version: 1

Page No.: 1 of 6  
File Name: *Degreaser and Neutralizer 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:** Waterborne Cleaner/Degreaser  
**Synonyms:** Unspecified

**2. COMPOSITION/INFORMATION ON INGREDIENTS:**

CAS NO.:	CHEMICAL NAME:	PERCENTAGE
111-76-2	2-Butoxyethanol	<10%
141-43-5	2-Aminoethanol	<10%

**3. HAZARD IDENTIFICATION:**

**Emergency overview:**

May cause moderate eye, respiratory and/or skin irritation. Temporary eye injury is possible.  
- Avoid inhalation of mists/vapors. Use local exhaust ventilation.  
- Wear NIOSH-approved chemical splash goggles.  
- Wear chemical-resistant gloves and protective clothing.

**Potential health effects:**

**Primary Routes of Entry-**

Liquids: Eye and skin contact, ingestion, and inhalation.  
Gases: Inhalation

#### 4. FIRST-AID MEASURES:

**General advice:**

Remove victim from area of contact.

**If in eyes:**

Rinse eyes immediately with lukewarm water for 15 minutes, occasionally lifting upper and lower eyelids, until no evidence of product remains. Get medical attention if irritation develops or persists.

**If on skin:**

Rinse area of contact for 15 minutes with soap or mild detergent with lukewarm water until no evidence of chemical remains. Seek medical attention if irritation develops or persists.

**If inhaled:**

Remove to fresh air.

**If swallowed:**

If ingested, do not induce vomiting; consult a physician.

**Note to physician:** Unspecified.

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#### 5. FIRE-FIGHTING MEASURES:

**Flash point:** N/A

**LEL:**                      **UEL:**

Unspecified              Unspecified

**Suitable extinguishing media:**

Use dry chemical, carbon dioxide or water spray. For larger fires use regular foam, dry chemical, carbon dioxide or water spray. Move container 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. Stay away from tanks engulfed in flames. (2008 Emergency Response Guidebook Guide #154)

**Hazards during fire-fighting:**

Containers may rupture when exposed to extreme heat.

**Protective equipment for fire-fighting:**

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

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#### 6. ACCIDENTAL RELEASE MEASURES:

**Personal precautions:**

Contain spill and absorb. Keep product from entering storm drains. Use recommended personal protective clothing and equipment. Spilled material may be slippery; use caution if walking through spilled material is necessary.

**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 final rinsing should be absorbed or vacuumed and disposed of in accordance with regulations. Consult local and federal guidelines for proper disposal of these materials.

**Cleanup:**

- *For small amounts of released material:* Mop or vacuum up then transfer to suitable container for disposal.
  - *For large amounts of released material:* Dike around spilled material to contain. Spilled material may be mopped or vacuumed up, then transferred to plastic containers for disposal.
-

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**7. HANDLING and STORAGE:**

**Handling:**

**General advice-**

No specific measures are necessary provided product and recommended protective clothing/equipment are used correctly.

**Storage:**

**General advice-**

Protect against physical damage. Store in tightly closed containers in a cool, well ventilated area away from acids.

**Shelf Life:**

12 months

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**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 'C'):***

Eye protection: Wear splash-proof safety goggles to prevent exposure.

Skin protection: Chemical-resistant gloves. Wear appropriate protective (impervious) clothing equipment to prevent possible skin contact.

Respiratory protection: Use proper NIOSH-OSHA respirator for contamination levels found in work area.

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, an before eating, drinking or smoking.

***Other protective measures:***

Nearby running water on the job site is necessary, should an accident occur.

***Exposure Guidelines:***

ACGIH TLV: 20 ppm (111-76-2) and 3 ppm (141-43-5)

STEL: 6 ppm (141-43-5)

OSHA PEL: 50 ppm- Skin (111-76-2) and 3 ppm (141-43-5)

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**9. PHYSICAL and CHEMICAL PROPERTIES:**

Form:	Liquid
Odor:	Pine Odor
Color:	Green
pH value:	12.4 +/- 0.1
Solvent content:	16.5%
Total solids/Non-volatiles:	Proprietary
Regulatory VOC:	16.5% by weight (concentrate) 1.5% by weight (at maximum use concentration - 1:10)
Solvents by weight:	1.4 lbs/gal
Specific gravity:	1.02 (H <sub>2</sub> O = 1)
Solidification temperature:	Unspecified
Freezing/Melting point:	<32°F (100 °C)
Boiling point:	212 °F (100 °C)
Vapor density:	Equal to Water
Vapor pressure:	Equal to Water
Evaporation Rate:	0.1 (Butyl Acetate=1)
Solubility in water:	100% Soluble

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## 10. STABILITY and REACTIVITY:

***Conditions to avoid:***

Negligible fire hazard when exposed to heat or flame.

***Substances to avoid:***

Strong acids, oxidizers,

***Hazardous reactions:***

Product is chemically stable. Reaction with strong acids may generate high heat.

***Decomposition or By-products:***

In fire conditions: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitric oxides (NO<sub>x</sub>).

***Corrosion to metals:***

Minimize contact with aluminum, copper and copper alloys.

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## 11. TOXICOLOGY INFORMATION:

***Acute Toxicity:***

**Oral:** Ingestion may cause irritation of the digestive tract.

**Eye irritation:** Moderate irritation, redness and tearing. Overexposure may cause temporary corneal damage.

**Skin irritation:** Mild irritation and redness and, possibly, dermatitis after prolonged exposure.

**Inhalation:** Irritation of the upper respiratory tract and mucous membranes.

**Sensitization:** Skin: N/A. Respiratory: N/A

***Chronic Toxicity:***

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

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## 12. ECOLOGICAL INFORMATION:

***Biodegradation:***

Test method: Unspecified

Analysis method: Unspecified

Degree of elimination: Expected to be biodegradable.

***Environmental toxicity:***

Acute and prolonged toxicity to fish: Not Established

Toxicity to microorganisms: Not Established

Other ecotoxicological advice: Not Established

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**13. DISPOSAL CONSIDERATIONS:**

***Waste disposal of substance:***

Dispose of in accordance with all Federal, State and Local regulations when storing and disposing of substances. Do not allow material to run off work area, and final rinsing should be absorbed or vacuumed and disposed of in accordance with regulations. 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.

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**14. TRANSPORTATION INFORMATION:**

***Land transportation:***

US DOT Shipping Class: Compound Cleaning Liquid (Non-hazardous)

***Sea transportation:***

IMDG: Unspecified

***Air transportation:***

IATA/ICAO: Unspecified

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**15. REGULATORY INFORMATION:**

**Federal Regulations:**

**Registration status:**

TSCA, US :

All components are listed or exempt.

**OSHA hazard category:**

None

**SARA hazard category (EPCRA 311/312):**

Acute health hazard

CAS Number:

111-76-2

Chemical Name:

2-Butoxyethanol

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**16. OTHER INFORMATION:**

***NFPA Rating:***

Health: 1      Fire: 0      Reactivity: 0      Special Hazard: none

***HMIS III Rating:***

Health: 1      Flammability: 0      Physical Hazard: 0  
Personal Protection: C (chemical splash goggles, 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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**END OF DATA SHEET**