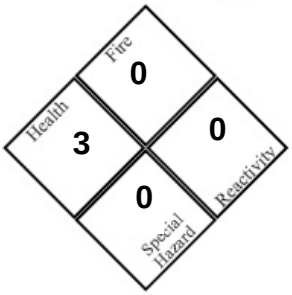
INNOTECH
DECORATIVE CONCRETE PRODUCTS

Material Safety Data Sheet

INNOTECH CON-CLEAN

NFPA Rating



HMIS Rating

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

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: Phosphoric acid based cleaner
Synonyms: Phosphoric acid/detergent cleaner

2. COMPOSITION/INFORMATION ON INGREDIENTS:

CAS NO.:	CHEMICAL NAME:	PERCENTAGE
7664-38-2	Phosphoric Acid	<50%
111-76-2	2-Butoxyethanol	<1%

3. HAZARD IDENTIFICATION:

Emergency overview:

CAUTION! May be harmful if inhaled. May cause severe eye, respiratory and/or skin irritation. Permanent eye injury is possible. Material aspirated into lungs during vomiting is a medical emergency and may injure lungs.
- 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-
Liquid: Eye and skin contact, and ingestion.
Vapors: 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. Continue irrigation with normal saline until the pH has returned to normal. Cover with sterile bandages and get immediate medical attention.
If on skin:
Remove contaminated clothing and shoes. Rinse area of contact for at least 15-20 minutes 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 immediate medical attention.
If inhaled:
Move to fresh air; administer oxygen or artificial respiration by qualified person if breathing has stopped. Seek immediate medical attention.
If swallowed:
GET IMMEDIATE MEDICAL ATTENTION. Drink large amount of water or milk to dilute acid. If vomiting begins or persists, take fluid repeatedly. Ingested acid must be diluted 100 fold to render it harmless to tissues into lungs.
Note to physician: Unspecified.

5. FIRE-FIGHTING MEASURES:

Flash point: None

LEL:	***UEL***:
N/A	N/A

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:
Contact with metals may cause formation of flammable and explosive hydrogen gas. At high temperature toxic corrosive fumes of anhydrous gas may be emitted. In fire conditions products may include toxic and hazardous gases including fumes of phosphorus oxides. 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.

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, 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:* Spills may be absorbed using cement powder or fly ash. Neutralize spills with lime, sodium bicarbonate or crushed limestone.
- *For large amounts of released material:* Dike around spilled material to contain. Minimize vapors with fire-fighting foam. Spills may be absorbed using cement powder or fly ash. Neutralize spills with lime, sodium bicarbonate or crushed limestone.

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. Do not allow product to freeze.

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 'H'):

Eye protection: Wear splash-proof safety goggles to prevent exposure.
Skin protection: Chemical-resistant gloves. Must 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:	1 mg/m^3 (7664-38-2) and 20 ppm (111-76-2)
STEL:	N/A
OSHA PEL:	1 mg/m^3 (7664-38-2) and 50 ppm- Skin (111-76-2)

9. PHYSICAL and CHEMICAL PROPERTIES:

Form:	Liquid
Odor:	Pine Odor
Color:	Pink
pH value:	0.5 +/- 0.2
Solvent content:	0.5%
Total solids/Non-volatiles:	N/A
Regulatory VOC:	0.5%
Solvents by weight:	0.05 lbs/gal
Specific gravity:	1.34 (H2O = 1)
Solidification temperature:	Unspecified
Freezing/Melting point:	<32°F (100 °C) (do not allow product to freeze)
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

10. STABILITY and REACTIVITY:

Conditions to avoid:
Excessive heat or flame
Substances to avoid:
Metals (which may liberate hydrogen gas), strong bases, oxidizers, sulfides and sulfites.
Hazardous reactions:
Product is chemically stable. Flammable hydrogen gas may form from reaction with metals. Reaction with strong bases may generate high heat. Reaction with bleach may liberate chlorine gas.
Decomposition or By-products:
In fire conditions, phosphorus oxides from thermal decomposition and hydrogen gas from reaction with metals.
Corrosion to metals:
Contact with common metals, i.e. aluminum, mild steel and copper alloys, produces hydrogen which may form explosive mixtures in the air.

11. TOXICOLOGY INFORMATION:

Acute Toxicity:
Oral: Burns of the mouth, throat, esophagus and stomach with consequent pain, uneasiness, nausea, salivation, vomiting, diarrhea, chills, shock and intense thirst.
Eye irritation: Severe irritation, conjunctivitis, corneal necrosis and burns with impairment or permanent eye damage.
Skin irritation: Severe irritation, inflammation, ulceration, necrosis and chemical burns.
Inhalation: Burning of the throat, coughing and choking.
Sensitization: Skin: Not established. Respiratory: Not established.

Chronic Toxicity:
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 Established

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. 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.

14. TRANSPORTATION INFORMATION:

Land transportation:
US DOT Shipping Class: Corrosive Liquid, N.O.S., 8, UN 1760, III, (Contains Phosphoric Acid), ERG#154

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 - Corrosive
SARA hazard category (EPCRA 311/312): Acute health hazard

CAS Number:	Chemical Name:
7664-38-2	Phosphoric Acid
111-76-2	2-Butoxyethanol

16. OTHER INFORMATION:

NFPA Rating:

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

HMIS III Rating:

Health: 3 Flammability: 0 Physical Hazard: 0
Personal Protection: H (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

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END OF DATA SHEET