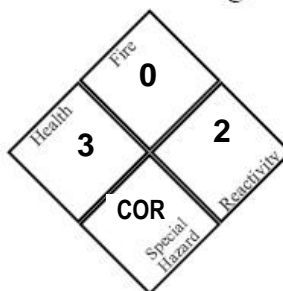




NFPA Rating



HMIS Rating

HEALTH	3
FLAMMABILITY	0
PHYSICAL HAZARD	2
PERSONAL PROTECTION	H

Material Safety Data Sheet

INNOTECH CHEMICAL STAIN – All colors

Revision Date: 04/20/2010

Version: 1

Page No.: 1 of 6

File Name: MSDS Chemical Stain

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:** Corrosive Liquid  
**Synonyms:** Chloride odor

2. COMPOSITION/INFORMATION ON INGREDIENTS:

CAS NO.:	CHEMICAL NAME:	PERCENTAGE
7647-01-0	Hydrochloric Acid	<25%
13446-34-9	Manganese Chloride	<25%
7789-12-0	Sodium dichromate dihydrate	<25%
10025-77-1	Ferric chloride, hexahydrate	<25%
10125-13-0	Copper (II) Chloride Dihydrate	<25%

3. HAZARD IDENTIFICATION:

Emergency overview:

**Inhalation:** Burning sensation in the throat, coughing and choking

**Eye:** May cause severe irritation, impairment and permanent damage

**Skin:** Severe irritation, inflammation, ulceration, necrosis and burns with permanent damage.

**Ingestion:** Burns of the mouth, throat, esophagus and stomach with consequent pain, uneasiness, nausea, vomiting, diarrhea, chills and intense thirst.

**Carcinogenicity:** IARC, NTP, and OSHA do not list Innotech Chemical Stain as a carcinogen.

**Medical Conditions Aggravated:** Inhalation of fumes may aggravate existing lung problems.

Potential health effects:

**Primary Entry Routes:** Inhalation, skin

**Target Organs:** None Known

---

#### 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 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:**

N/A

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

Unspecified              Unspecified

**Suitable extinguishing media:**

Use dry chemical, carbon dioxide or regular foam. For larger fires use regular foam. Move container away from fire area 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 ends of tanks (2000 Emergency Response Guidebook, DOT P 5800.5 Guide #153)

**Hazards during fire-fighting:**

Hydrogen gas may form explosive mixtures in the air. 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 hydrogen chloride, oxides of copper, and chromium oxides.

**Protective equipment for fire-fighting:**

Wear NIOSH-approved self-contained breathing apparatus.

---

#### 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. Innotech Chemical Stain and the rinse water from the neutralization and cleaning of newly stained surfaces may contain amounts of sodium dichromate that exceed federal hazardous waste limits. Proper disposal of this product, and rinse water from the neutralization and cleaning of newly stained surfaces, is required. 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: Air Spill - knock down vapors with water spray, contain water as it may become corrosive and dispose of properly.
-

## 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-**

Store in tightly closed, properly vented containers away from direct sunlight, and strong oxidizing agents.

If exposed to air, product may absorb water, which can cause material to degrade or to become contaminated. Do not allow product to freeze.

### Shelf Life:

---

## 8. EXPOSURE CONTROLS and PERSONAL PROTECTION:

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear an OSHA/NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contaminations, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye and face protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

---

## 9. PHYSICAL and CHEMICAL PROPERTIES:

Form:	Colored Liquid
Odor:	Chlorine Odor
Color:	Yellowish-Green - Red
pH value:	<4
Solvent content:	N/A
Total solids/Non-volatiles:	N/A
Total VOC:	N/A
Solvents by weight:	N/A
Specific gravity:	1.0-2.0 (H2O = 1)
Solidification temperature:	Unspecified
Freezing/Melting point:	Unspecified (do not allow product to freeze)
Boiling point:	215 °F (101.7 °C)
Vapor density:	Equal to Water
Vapor pressure:	Equal to Water
Evaporation Rate:	0.1 (Butyl Acetate=1)
Solubility in water:	100%

---

## **10. STABILITY and REACTIVITY:**

**Stability:** Chemical Stain is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur under normal temperatures and pressures.

**Chemical Incompatibilities:** Contact with common metals, including aluminum or magnesium, may produce hydrogen which may form explosive mixtures in the air.

**Condition to Avoid:** Heat, open flame, reactive metals, and strong oxidizers.

**Hazardous Decomposition Products:** Thermal oxidative decomposition of Chemical Stain can produce toxic and hazardous gases including fumes of hydrogen chloride and oxides of copper.

---

## **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:** Unspecified.

---

## **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 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. Innotech Chemical Stain and the rinse water from the neutralization and cleaning of newly stained surfaces may contain amounts of sodium dichromate that exceed federal hazardous waste limits. Proper disposal of this product, and rinse water from the neutralization and cleaning of newly stained surfaces, is required. 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, acidic, inorganic, N.O.S., (Hydrochloric Acid, Solution), 8, UN3264, PGIII, ERG#153

**Sea transportation:**

IMDG: Unspecified

**Air transportation:**

IATA/ICAO: Unspecified

**15. REGULATORY INFORMATION:**

RCRA Hazardous Waste Number (40 CFR 261.33): Possibly D002

RCRA Hazardous Waste Classification (40 CFR 261.22): Corrosive (pH < 2 or > 12.5)

<u>Component</u>	<u>CAS#</u>	<u>SARA 313</u>	<u>SARA311/312</u>	<u>RQ</u>	<u>TPQ</u>
Hydrochloric Acid	7647-01-0	Yes	Yes	5000	500
Manganese Chloride	13446-34-9	Yes	Yes	No	No
Sodium Dichromate	7789-12-0	Yes	Yes	10	No
Ferric Chloride	10025-77-1	No	Yes	No	No
Copper (II) Chloride	10125-13-0	Yes	Yes	No	No

**State Regulations:** Consult individual state agency for further information.

**Material Safety Data Sheet**  
**Innotech Chemical Stain – All colors**

Revision Date: 04/20/2010  
Version: 1

Page No.: 6 of 6  
File Name: *MSDS Chemical Stain*

**16. OTHER INFORMATION:**

***NFPA Rating:***

Health: 3      Fire: 0      Reactivity: 2      Special Hazard: COR

***HMIS III Rating:***

Health: 3      Flammability: 0      Physical Hazard: 2  
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:**

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

**Notice:** While the descriptions, information, and data contained in this document are presented in good faith and believed to be accurate, it is provided only to guide the user. Many factors may affect processing or application/use, Innotech recommends user-tests to determine suitability for a particular purpose, prior to use. In no case shall the descriptions, information, or data contained in this document be considered a part of the Innotech terms/conditions of sale. Further, the user expressly understands and agrees that Innotech assumes no obligation or liability for the descriptions, information, or data, or the results obtained, as all such being given and accepted at users own risk.

**Warranty:** This is a proprietary INNOTECH product, warranted to be of uniform quality within our stringent manufacturing tolerances. As no control is exercised over product use, no warranty is made as to the effects of such use (neither expressed or implied). Obligation of the seller and manufacturer under this warranty shall be limited to a refund of the purchase price of that portion of the material proven to be defective. The user assumes all other risk and liability resulting from uses of this product. Contact INNOTECH with any questions regarding this policy. *Innotech is a registered tradename of CHROMASYSTEMS LLC, an Ohio company.*

*Innotech Decorative Concrete Products is a registered tradename of ChromaSystems LLC, a wholly owned part of the ChromaScape family of companies. For more information, go to [www.chromascape.com](http://www.chromascape.com). ©2009 CHROMASYSTEMS, LLC.*

**END OF DATA SHEET**