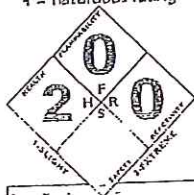


NFPA RATING  
0 = none to  
4 = hazardous rating



**Hold-the-Lime™ Delimer**  
**W-1050-C**

DATE PREPARED: 09/21/02  
DATE REVISED: 03/29/10  
page 1 of 3

**MATERIAL SAFETY DATA SHEET (MSDS)**

**SECTION I**



PEN Products  
Indiana Department of Correction  
2010 E New York Street  
Indianapolis, Indiana 46201

Toll Free: (800) PEN-2550  
Direct: (317) 955-6800

24-Hour Emergency Number - Chemtrec (800) 424-9300

Common Name: Industrial Lime Remover

Identity (As listed on label): Hold-the-Lime™ Delimer  
Warewash Product

Information Telephone No.: (317) 926-1267  
Preparer: G.F. Kite, Ph.D.

Hazard Class: CORROSIVE  
Other Identifying Data: Water white liquid  
General Information: FOR COMMERCIAL USE—KEEP OUT OF REACH OF CHILDREN  
CONTAINS PHOSPHORIC ACID, A SARA 313 REPORTABLE CHEMICAL

HMIS Hazard Ratings	
Health	2
Flammability	0
Reactivity	0
Personal Protection	D

**SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Chemical Name	Percent	Exposure Limits	Units
PHOSPHORIC ACID	22	N/A	

**SECTION III - HAZARDS IDENTIFICATION**

**SIGNS AND SYMPTOMS OF EXPOSURE**

Acute: Severe EYE Irritation and pain. Contact may cause permanent injury to eyes.  
SKIN contact may cause skin damage. INGESTION will cause irritation or burns to mouth,  
throat and stomach; nausea and vomiting. Skin burns may not be immediately  
apparent.

Chronic: Prolonged or repeated contact with dilute solutions may cause skin damage  
and dermatitis.

Conditions Aggravated: Dermatitis  
Carcinogen Info: This product's ingredients are not found in OSHA, NTP, IARC or APD lists.

Target Organs  
or Systems:  
Routes of Exposure: Inhalation  Skin  Eye  Ingestion



#### SECTION IV - FIRE AID MEASURES

Inhalation: Move away from mist to area of fresh air.  
Eyes: Flush immediately with large amounts of water, lifting the upper and lower eyelids and rotating the eyeball. Continue washing for a minimum of 15 minutes.  
Get medical attention immediately.  
Skin: Remove contaminated clothing immediately and wash skin with large amounts of soap and water. Seek medical attention if irritation persists.  
Ingestion: Wash out mouth with water and keep at rest. DO NOT INDUCE VOMITING.  
Get immediate medical attention.

#### SECTION V - FIRE FIGHTING MEASURES

Fire Control  
Measures/Equipment: If involved in fire, treat as any other non-hazardous chemical.  
Avoid contact with solutions of material.  
Flammable Property Info: Not flammable  
Explosion Info: None listed  
Extinguishing Media: Class A or B extinguishing agent, water  
Gases: Generates normal products of combustion.

#### SECTION VI - ACCIDENTAL MEASURES

Spill & Leak Clean Up  
Procedures: SMALL SPILL: soak up with absorbent material. Avoid contact.  
LARGE SPILL: dike and pump into chemical waste containers for disposal by approved commercial disposer. Small residues may be neutralized with soda ash and/or flushed to the drain [sewer].  
Environmental Precautions: Biodegradable. No aquatic toxicity has been reported at low concentrations.

#### SECTION VII - HANDLING AND STORAGE

Ventilation Required?: Normal  
Instructions: No special precautions.  
Safe Storage, Handling & Use Instructions: Store in cool, dry, well-ventilated place. Use rubber or plastic gloves and apron or coveralls and face shield to prevent eye, skin and clothing contact.  
Incompatible Materials: Strong oxidizers and strong bases.



PEN Products  
Indiana Department of Correction

PRODUCT NAME: Hold-the-Lime™ Delimer  
PRODUCT NUMBER: W-1050-C  
page 3 of 3

### SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Gloves: Yes  
Eye Protection: Face shield  
Respiratory Protection: None required for ordinary use.  
Other Protective  
Clothing/Equipment: Impervious apron when handling large amounts.  
Wash all contaminated clothing before reuse.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

#### CHARACTERISTICS OF HAZARDOUS CHEMICAL

Vapor Pressure:	N/A mm Hg@ deg. C	Vapor Density (air = 1):	
pH:	7-9	Flash Point:	N/A deg. F
Water Solubility:	Completely soluble	Auto Ignition:	N/A deg. F
Appearance & Odor:	Clear, colorless liquid with no odor	Oxidizing Properties:	None
		Specific Gravity:	>1
Boiling Point:	>212 deg. F	Volatile (water) by Volume:	About 76%
Melting Point:	N/A deg. F	Evaporation Rate:	N/A
Flammability limits in air by volume:	N/A Upper Lower		

### SECTION X - STABILITY AND REACTIVITY

Peroxide, Pyrophoric, Unstable or Water Reactive:	No	Possible Hazardous Reactions:	None reported
Reactivity & Hazardous Polymerization:	None reported	Materials to Avoid:	Strong Oxidizers and strong bases
Conditions to Avoid:	Corrosive. Avoid contact with metals such as aluminum, zinc and iron. Store in lined containers	Hazardous Decomposition Products:	Normal combustion products

### SECTION XI - ECOLOGICAL INFORMATION

#### POSSIBLE EFFECTS AND ENVIRONMENTAL FATE

Degradeability: Biodegradable  
Aquatic Toxicity: Not reported for low concentrations.

### SECTION XII - DISPOSAL CONSIDERATIONS

Method of Disposal, Residues & Safe Handling:	See Section VI	Disposal of Contaminated Material:	Dispose according to local and Federal Regulations
---	----------------	------------------------------------	--

#### DISCLAIMER

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate. In the event of any question, please call the telephone number provided.