



EXCAVATION

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# CONCRETE REMOVER



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# Material Safety Data Sheet



Superior Solutions

Zep Inc.  
1310 Seaboard Industrial Blvd,  
Atlanta, GA 30318  
1-877-I-BUY-ZEP (428-9937)  
www.zep.com

## Section 1. Chemical Product and Company Identification

**Product name** CONCRETE DISSOLVER  
**Product use** Concrete Remover.  
**Product code** 2879  
**Date of issue** 02/11/09 **Supersedes**

## Emergency Telephone Numbers

**For MSDS Information:**  
Compliance Services 1-877-I-BUY-ZEP (428-9937)

**For Medical Emergency**  
(877) 541-2016 Toll Free - All Calls Recorded

**For Transportation Emergency**  
CHEMTREC: (800) 424-9300 - All Calls Recorded  
In the District of Columbia (202) 483-7616

## Prepared By

Compliance Services  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

Printing date: 03/31/11

## Section 2. Hazards Identification

### Emergency overview

\*Hazard Determination System (HDS): Health, Flammability, Reactivity

**DANGER !**

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CAUSES EYE BURNS. CAUSES RESPIRATORY TRACT AND SKIN IRRITATION. HARMFUL IF SWALLOWED.

**NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.**

### Acute Effects

#### Routes of Entry

Eye contact. Inhalation. Ingestion.

**Eyes** Causes eye burns. Prolonged contact with eye tissue may cause severe and permanent eye injury.

**Skin** Causes skin irritation. Prolonged contact can cause severe irritation or even burns. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

**Inhalation** Material is irritating to mucous membranes and upper respiratory tract.

**Ingestion** Harmful if swallowed. May cause burns to mouth, throat and stomach.

### Chronic effects

No known chronic effects from exposure.

**Carcinogenicity** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Additional Information: See Toxicological Information (Section 11)**

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

### CAS number

### % by Weight

UREA HYDROCHLORIDE; urea, monohydrochloride

506-89-8

30 - 40

ALCOHOLS, C9-11, ETHOXYLATED; linear primary alcohol ethoxylate

68439-46-3

1 - 5

## Section 4. First Aid Measures

**Eye Contact** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. Chemical burns must be treated promptly by a physician.

**Skin Contact** Flush affected area immediately with large amounts of water for at least 15 minutes. Get medical attention if irritation develops.

**Inhalation** If inhaled, remove to fresh air. If irritation persists, get medical attention.

**Ingestion** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

**Section 12. Ecological Information**

**Environmental Effects** No known significant effects or critical hazards.

**Aquatic Ecotoxicity**

Not available.

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**Section 13. Disposal Considerations****Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

**Waste Stream** Code: - D002

Classification: - [Hazardous waste]

Origin: - [RCRA waste.]

**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	3264	Corrosive liquid, acidic, inorganic, n.o.s. (Urea Hydrochloride)	8	II	
IMDG Class	Not determined.				

**NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.**

PG\* : Packing group

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

Product name

No products were found.

**Clean Water Act (CWA) 307:** No products were found.

**Clean Water Act (CWA) 311:** No products were found.

**Clean Air Act (CAA) 112 regulated toxic substances:** No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

**State Regulations**

**California Prop 65** No products were found.

**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

\*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.

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# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** HI-FOAM CONCRETE REMOVER (XT-4996)

**Product use**

**Product code** 3500

**Date of issue** 06/18/03 **Supersedes** 05/10/00

### Emergency Telephone Numbers

For MSDS Information:

Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency

INFOTRAC: (877) 541-2016 Toll Free - All Calls

Recorded

For Transportation Emergency

CHEMTREC: (800) 424-9300 - All Calls Recorded

In the District of Columbia (202) 483-7616

Prepared By

Compliance Services Group  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

Printing date: 08/05/08

## Section 2. Composition, Information on Ingredients

Name of hazardous ingredients	CAS #	% by Weight	Exposure Limits
HYDROCHLORIC ACID; muriatic acid; hydrogen chloride	7647-01-0	25-35	ACGIH (United States). TWA: 5 ppm OSHA (United States). CELL: 5 ppm
PROPRIETARY CORROSION INHIBITOR	Proprietary	< 1	Not available.

## Section 3. Hazards Identification

### Acute Effects

**Routes of Entry** Skin Contact. Eye contact. Inhalation. Ingestion.

**Skin** Corrosive to skin on contact. Skin contact can produce inflammation and blistering.

**Eyes** Corrosive to eyes. Direct contact with the eyes can cause irreversible damage, including blindness.

**Inhalation** Inhalation of the spray or mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath.

**Ingestion** Harmful if swallowed. May cause burns to mouth, throat and stomach.

**NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.**

### Carcinogenic Effects

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

### Chronic Effects

Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection.

See Toxicological Information (section 11)

### HMIS

Health	3
Fire Hazard	0
Reactivity	1
Personal Protection	X

## Section 4. First Aid Measures

### Eye Contact

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

### Skin Contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately.

### Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

### Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.

**Section 5. Fire Fighting Measures****Flash Point** Not applicable.**FLAMMABLE LIMITS** Not applicable.**Flammability** Not applicable.**Fire hazard****Fire-fighting procedures**

Wear special protective clothing and positive pressure, self-contained breathing apparatus.

**Section 6. Accidental Release Measures****Spill Clean up** Put on appropriate personal protective equipment (see section 8). Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.**Section 7. Handling and Storage****Handling** Do not ingest. Wash thoroughly after handling.**Storage** Keep container tightly closed. Keep container in a cool, well-ventilated area. This product should be stored away from oxidizing materials and strong bases.**Section 8. Exposure Controls, Personal Protection****Personal Protection****Eyes** Safety goggles are considered minimum protection.**Body** Wear appropriate protective clothing to prevent skin contact: Chemical-resistant gloves. Water-resistant footwear. Chemical resistant apron.**Respiratory** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. If concentrations exceed recommended exposure levels, wear an approved/certified respirator until engineering controls are achieved.**Protective Clothing (Pictograms)****Section 9. Physical and Chemical Properties****Physical State** Thin liquid**Color** Clear. Red.**pH** < 1.0**Odor** Unpleasant. Irritating.**Boiling Point** 100°C (212°F)**Vapor Pressure** Not available.**Specific Gravity** 1.15 (Water = 1)**Vapor Density** Not available.**Solubility** Easily soluble in the following materials: cold water, hot water.**Evaporation Rate** 1 compared with Water  
**VOC (Consumer)** 0 (g/l).**Section 10. Stability and Reactivity****Stability and Reactivity** The product is stable.**Incompatibility** Reactive with oxidizing agents, alkalis.**Hazardous Polymerization** Will not occur.**Hazardous Decomposition Products** Hydrogen Chloride (HCl), Chlorine gas, Phosgene gas.**Section 11. Toxicological Information****United States****Acute toxicity****Section 12. Ecological Information****Ecotoxicity** Not available.**Biodegradable/OECD** Not available.**Section 13. Disposal Considerations****Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations.**Waste Stream** Code: D002  
Classification: - (Hazardous waste.)  
Origin: - (RCRA waste.)

Consult your local or regional authorities.

**Section 14. Transport Information****Proper shipping name** Corrosive liquid, acidic, inorganic, n.o.s. (Hydrochloric Acid)**DOT Classification** Class 8: Corrosive liquid.**UN number** 3264

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

TDG Classification

**Section 15. Regulatory Information****U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

No products were found.

Clean Water Act (CWA) 311: Hydrochloric Acid

Clean Air Act (CAA) 112 regulated toxic substances: Hydrochloric Acid

All Components of this product are listed or exempt from listing on TSCA inventory.

**State Regulations****WHMIS (Canada)**

Class D-1A: Material causing immediate and serious toxic effects (Very toxic).

Class E: Corrosive liquid.

**Section 16. Other Information**

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