



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

# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** ZEPCOREX  
**Product use** Acid. Cleaner.  
**Product code** 1178  
**Date of issue** 03/09/05 **Supersedes** 12/10/02

### Emergency Telephone Numbers

For MSDS Information:  
Acuity Specialty Products Group, Inc.  
Compliance Services 1-877-I-BUY-ZEP (428-9937)

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

Printing date: 08/08/08

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

Prepared By  
Compliance Services Group  
Acuity Specialty Products Group, Inc.  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

## Section 2. Composition, Information on Ingredients

Name of hazardous ingredients	CAS #	% by Weight	Exposure Limits
HYDROCHLORIC ACID; muriatic acid; hydrogen chloride	7647-01-0	1 - 10	ACGIH TLV/OSHA PEL (United States). CEIL: 5 ppm 8 hour(s). OSHA PEL (United States). CEIL: 7 mg/m <sup>3</sup> 8 hour(s).

## Section 3. Hazards Identification

### Acute Effects

**Routes of Entry** Dermal contact. Eye contact. Inhalation.

#### Skin

Hazardous by the following route of exposure: of skin contact (corrosive). Skin contact may produce burns. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

#### Eyes

Hazardous by the following route of exposure: of eye contact (corrosive). Direct contact with the eyes can cause irreversible damage, including blindness.

#### Inhalation

Hazardous by the following route of exposure: of inhalation. Inhalation of the spray or mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath. Over-exposure by inhalation may cause respiratory irritation.

#### 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.**

### HMIS

Health	3
Fire Hazard	0
Reactivity	0
Personal Protection	C

### 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)

## 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 immediately.

### Skin Contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. 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.

### 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 5. Fire Fighting Measures**

<b>Flash Point</b>	Not applicable.	<b>FLAMMABLE LIMITS</b> Not applicable.
<b>Flammability</b>	Non-combustible.	
<b>Fire hazard</b>		
<b>Fire-fighting procedures</b>	Wear special protective clothing and positive pressure, self-contained breathing apparatus.	

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	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. To clean the floor and all objects contaminated by this material, use [***]. detergent. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
-----------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**Section 7. Handling and Storage**

<b>Handling</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray or mists. Use only with adequate ventilation. Do not ingest. Observe label precautions. Wash thoroughly after handling.
<b>Storage</b>	Keep container tightly closed and dry. Keep away from incompatibles. Keep away from food, drink and animal feeding stuffs. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection****Personal Protection****Protective Clothing (Pictograms)**

<b>Eyes</b>	Splash goggles. Face shield.	
<b>Body</b>	Wear appropriate protective clothing to prevent skin contact. Recommended: Neoprene gloves. Nitrile gloves. Rubber gloves. Chemical-resistant apron. Chemical resistant boots.	
<b>Respiratory</b>	Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Pink. Opaque.
<b>pH</b>	<1.0 [Acidic.]	<b>Odor</b>	Spicy. (Sassafras )
<b>Boiling Point</b>	104.44°C (220°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	1.05 (Water = 1)	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Soluble in the following materials: cold water, hot water.	<b>Evaporation Rate</b>	1 compared with Water
		<b>VOC (Consumer)</b>	0 (g/l).

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Reactive with oxidizing agents, metals, alkalis and bleach solutions. Do not use with other products.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	Hydrogen chloride (HCl). and Carbon dioxide.

**Section 11. Toxicological Information****United States****Acute toxicity****Section 12. Ecological Information**

<b>Ecotoxicity</b>	Not available.
<b>Biodegradable/OECD</b>	Not available.

**Section 13. Disposal Considerations**

<b>Waste Information</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.	<b>Waste Stream</b>	Code: D002 Classification: - (Hazardous waste.) Origin: - (RCRA waste.)
--------------------------	----------------------------------------------------------------------------------------------------------	---------------------	-------------------------------------------------------------------------------

Consult your local or regional authorities.

**Section 14. Transport Information**

<b>Proper shipping name</b>	Corrosive liquid, Acidic, Inorganic, NOS (Hydrochloric Acid)
<b>DOT Classification</b>	DOT Class 8: Corrosive liquid.
	<b>UN number</b> 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.

<b>TDG Classification</b>	TDG Class 8: Corrosive liquid.
---------------------------	--------------------------------

**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 (RQ 5,000 lbs)

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****WHMIS (Canada)**

Class D-1B: Material causing immediate and serious toxic effects (Toxic).

Class D-2B: Material causing other toxic effects (Toxic).

Class E: Corrosive liquid.

**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.*