



Zep Inc.  
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1-877-I-BUY-ZEP (428-9937)  
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# Material Safety Data Sheet

## and Safe Handling and Disposal Information

**Section 1. Chemical Product and Company Identification**

**Product name** ZEP CERTEZA  
**Product use** Grout Cleaner  
**Product code** 5048  
**Date of issue** 10/01/04 **Supersedes**

**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

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**Section 2. Composition, Information on Ingredients**

Name of hazardous ingredients	CAS #	% by Weight	Exposure Limits
HYDROCHLORIC ACID; muriatic acid; hydrogen chloride	7647-01-0	5-15	<b>ACGIH (United States).</b> TWA: 5 ppm <b>OSHA (United States).</b> CELL: 5 ppm
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	<5	<b>ACGIH TLV (United States). Skin</b> TWA: 20 ppm 8 hour(s). Form: Vapor <b>OSHA PEL (United States). Skin</b> TWA: 25 ppm 8 hour(s). Form: Vapor

**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. May be harmful if absorbed through skin.

**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 exposure to spray or mist may produce respiratory tract irritation, leading to frequent attacks of bronchial infection. Repeated or prolonged exposure to the substance can produce damage to liver, kidneys, and red blood cells.

**HMIS**

Health	3
Fire Hazard	0
Reactivity	0
Personal Protection	C

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.

**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**

Use extinguishing media suitable for surrounding materials. Do not release runoff from fire to sewers or waterways. 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** Avoid contact with eyes, skin and clothing. Avoid inhalation of vapor, spray or mist. Use with adequate ventilation. Do not ingest. Do not reuse product container. 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. 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)****Eyes** Splash goggles.**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.**Section 9. Physical and Chemical Properties****Physical State** Thin liquid**Color** Green. (Light.)**pH** < 1.0**Odor** Lemongrass.**Boiling Point** 100°C (212°F)**Vapor Pressure** Not available.**Specific Gravity** 1.06 (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)** 2.0%**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.)

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** TDG Class 8: Corrosive liquid.

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

SARA 313 toxic chemical notification and release reporting:

Hydrochloric Acid

Ethylene Glycol Monobutyl Ether (Glycol Ethers)

Clean Water Act (CWA) 311: Hydrochloric Acid

Clean Air Act (CAA) 112 regulated toxic substances: Ethylene Glycol Monobutyl Ether (Glycol Ethers)

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**

*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.*