



Zep Commercial Sales & Service
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Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name Acidic Toilet Bowl Cleaner
Product code ZUATB
Date of issue 03/12/13 **Supersedes** 06/01/12

Emergency Telephone Numbers

For MSDS Information:

Compliance Services 404-352-1680

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

Section 2. Hazards Identification

Emergency overview

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

DANGER

3 1 0

CAUSES EYE, SKIN AND MUCOUS MEMBRANE BURNS.
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. Dermal contact. Inhalation. Ingestion.

Eyes

Causes eye burns. Direct contact with the eyes can cause irreversible damage, including blindness.

Skin

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

Inhalation

May cause irritation of respiratory tract, coughing, shortness of breath.

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.

Product/ingredient name

Not available.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

CAS number

% by Weight

hydrochloric acid; hydrogen chloride

7647-01-0

5 - 10

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 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. Chemical burns must be treated promptly by a physician. Get medical attention.

Inhalation

Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If irritation persists, get medical attention.

Ingestion

Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



Flash Point	Closed cup: >100°C (>212°F) [Product does not sustain combustion.]
Flammable Limits	Not applicable.
Flammability	Non-combustible.
Fire hazard	May decompose to form toxic/corrosive gases.
Fire-Fighting Procedures	Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment.

Section 6. Accidental Release Measures

Spill Clean up	Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.
Storage	Store in accordance with local regulations. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**

hydrochloric acid; hydrogen chloride

Exposure limits

ACGIH TLV (United States, 2/2010).

C: 2 ppm

OSHA PEL 1989 (United States, 3/1989).

CEIL: 5 ppm

CEIL: 7 mg/m³

NIOSH REL (United States, 6/2009).

CEIL: 5 ppm

CEIL: 7 mg/m³

OSHA PEL (United States, 6/2010).

CEIL: 5 ppm

CEIL: 7 mg/m³**Personal Protective Equipment (PPE)**

Eyes	Splash goggles.
Body	Wear appropriate protective clothing to prevent skin contact. Rubber gloves.
Respiratory	Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

**Section 9. Physical and Chemical Properties**

Physical State	Liquid.	Color	Blue.
pH	<1.5	Odor	Minty.
Boiling Point	100°C (212°F)	Vapor Pressure	Not available.
Specific Gravity	1.047	Vapor Density	Not available.
Solubility	Soluble in the following materials: cold water and hot water.	Evaporation Rate	Not available.
		VOC (Consumer)	0 % (w/w) 0 lbs/gal (0 g/l)

Section 10. Stability and Reactivity**Stability and Reactivity**

The product is stable.

Incompatibility

Reactive or incompatible with the following materials: Bleaching agents, oxidizing materials, metals and alkalis.

Hazardous Polymerization

Under normal conditions of storage and use, hazardous polymerization will not occur.

Hazardous Decomposition Products carbon oxides (CO, CO₂)**Section 11. Toxicological Information****Acute Toxicity****Product/ingredient name****Result****Species****Dose****Exposure**

Not available.

Section 12. Ecological Information**Environmental Effects**

Keep out of waterways.

Aquatic Ecotoxicity

Hydrogen chloride

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Acute LC50 240000 ug/
L Marine waterCrustaceans - Green or
European shore crab -
Carcinus maenas - Adult

48 hours

-

Acute LC50 282000 ug/
L Fresh waterFish - Western
mosquitofish -
Gambusia affinis - Adult

96 hours

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	UN1760	Corrosive liquids, n.o.s. (hydrochloric acid) or Consumer commodity or Limited quantity	8	II	
TDG Classification	UN1760	Corrosive liquid, n.o.s. (Hydrochloric Acid)	8	II	
IMDG Class	UN1760	Corrosive liquid, n.o.s. (Hydrochloric Acid)	8	II	

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

Hydrogen chloride

Clean Water Act (CWA) 311: Hydrogen chloride**Clean Air Act (CAA) 112 regulated toxic substances:** Hydrogen chloride

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

State Regulations**California Prop 65**

No products were found.

[Canada](#)**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.

*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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