

# Material Safety Data Sheet



Zep Inc.  
1310 Seaboard Industrial Blvd.  
Atlanta, GA 30318  
1-877-793-7776

## Section 1. Chemical Product and Company Identification

**Product name** ZEP DISINFECTANT ACID BOWL CLEANER  
**Product use** Germicidal Bowl Cleaner  
**Product code** R001  
**Date of issue** 08/13/08 **Supersedes**

This product is a registered pesticide. EPA ID No. 1270-204

### Emergency Telephone Numbers

**For MSDS Information:**  
Compliance Services 1-877-793-7776

**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  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

## Section 2. Hazards Identification

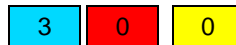
### Emergency overview

DANGER

CAUSES EYE AND SKIN BURNS. HARMFUL IF ABSORBED THROUGH SKIN, SWALLOWED OR INHALED.

**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.

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



### Acute Effects

### Routes of Entry

Dermal contact. Eye contact. Inhalation.

#### Eyes

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

#### Skin

Skin contact may produce burns. Harmful if absorbed through the skin. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

#### Inhalation

Avoid breathing vapors, spray or mists. May cause irritation of respiratory tract, coughing, shortness of breath.

#### Ingestion

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

### 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.

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

## Section 3. Composition/Information on Ingredients

### Name of Hazardous Ingredients

CAS number

% by Weight

OSHA's Hazard Communication Standard (29 CFR 1910.1200) does not require the listing of any ingredient for this product.

## 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. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention.

### Inhalation

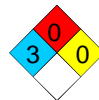
Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

### Ingestion

Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If affected person is conscious, give plenty 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.)



<b>Flash Point</b>	None.
<b>Flammable Limits</b>	Not applicable
<b>Flammability</b>	Non-combustible.
<b>Fire hazard</b>	May emit toxic fumes under fire conditions. In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Fire-Fighting Procedures</b>	Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment. Do not release runoff from fire to sewers or waterways.

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Move containers from spill area. 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**

<b>Handling</b>	Put on appropriate personal protective equipment (see section 8). Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Do not ingest. Wash thoroughly after handling. Do not reuse container. Apply this product only as specified on the label.
<b>Storage</b>	Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. 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****Product name**

PHOSPHORIC ACID

**Exposure limits****ACGIH / OSHA (United States).**TWA: 1 mg/m<sup>3</sup> 8 hour(s).**ACGIH TLV (United States).**STEL: 3 mg/m<sup>3</sup> 15 minute(s).

HYDROCHLORIC ACID; muriatic acid; hydrogen chloride; HCl

**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).**Personal Protective Equipment (PPE)**

<b>Eyes</b>	Chemical splash goggles or face shield.
<b>Body</b>	Wear appropriate protective clothing to prevent skin contact. Recommended: Rubber gloves. Synthetic apron.
<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. Wear appropriate respirator when ventilation is inadequate.

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid. [Viscous liquid.]	<b>Color</b>	Clear. Red.
<b>pH</b>	0.0-0.5	<b>Odor</b>	Minty. [Strong]
<b>Boiling Point</b>	104.44°C (220°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	1.18	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Easily soluble in the following materials: cold water and hot water.	<b>Evaporation Rate</b>	1 (Water = 1)
		<b>VOC (Consumer)</b>	0.0%

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Do not use with other products. Reactive or incompatible with the following materials: oxidizing materials, metals and alkalis.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	carbon oxides (CO, CO <sub>2</sub> )

**Section 11. Toxicological Information****Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Phosphoric Acid	LD50 Dermal	Rabbit	>3160 mg/kg	-
	LD50 Oral	Rat	4400 mg/kg	-
Hydrochloric Acid	LD50 Oral	Rabbit	900 mg/kg	-
	LC50 Inhalation Vapor	Rat	3124 ppm	1 hours
Nonylphenoxypoly(Ethyleneoxy)Ethano	LD50 Dermal	Rabbit	2000 mg/kg	-
	LD50 Oral	Rat	3310 mg/kg	-

**Section 12. Ecological Information**

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

**Aquatic Ecotoxicity**


Product/ingredient name	Test	Result	Species	Exposure
Phosphoric Acid	-	Acute LC50 138 mg/L	Fish	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
<b>DOT Classification</b>	UN3264	Corrosive liquid, acidic, inorganic, n.o.s. (Phosphoric Acid)	8	II	
<b>IMDG Class</b>	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:  
No products were found.

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

Clean Water Act (CWA) 311: Hydrochloric Acid (RQ 5,000 lbs); Phosphoric 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**

**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.