

# SAFETY DATA SHEET

## ZEP HDS HIGH ACID BOWL CLEANER QT\_4CT

Version 2.1

Revision Date 10/01/2023

Print Date 04/28/2025

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ZEP HDS HIGH ACID BOWL CLEANER QT\_4CT

Material number : HDS1048851

#### Manufacturer or supplier's details

Company : Zep Inc.

Address : 350 Joe Frank Harris Parkway, SE  
Emerson, GA 30137

Telephone : Compliance Services - 877-428-9937

#### Emergency telephone numbers

For SDS Information : Compliance Services - 877-428-9937

For a Medical Emergency : 877-541-2016 Toll Free - All Calls Recorded

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

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

|            |                |
|------------|----------------|
| Appearance | liquid         |
| Colour     | white, opaque  |
| Odour      | characteristic |

:

#### GHS Classification

Skin corrosion : Category 1

Serious eye damage/eye  
irritation : Category 1

Specific target organ toxicity -  
single exposure : Category 3 (Respiratory Tract)

Skin corrosion : Category 1

Serious eye damage : Category 1

Specific target organ toxicity -  
single exposure : Category 3 (Respiratory system)

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.  
H335 May cause respiratory irritation.

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Precautionary statements : **Prevention:**  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
P363 Wash contaminated clothing before reuse.  
**Storage:**  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store locked up.  
**Disposal:**  
P501 Dispose of contents/container in accordance with local regulation.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

| Chemical name     | CAS-No.   | Concentration [%] |
|-------------------|-----------|-------------------|
| hydrochloric acid | 7647-01-0 | >= 20 - < 30      |

The exact percentages of disclosed substances are withheld as trade secrets.

### SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

If inhaled : If symptoms persist, call a physician.  
If unconscious, place in recovery position and seek medical advice.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.  
If on clothes, remove clothes.

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If on skin, rinse well with water.

- In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.  
Remove contact lenses.  
Take victim immediately to hospital.  
Protect unharmed eye.  
Keep eye wide open while rinsing.
- If swallowed : DO NOT induce vomiting unless directed to do so by a physician or poison control center.  
Never give anything by mouth to an unconscious person.  
Keep respiratory tract clear.  
Take victim immediately to hospital.

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#### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry chemical  
Carbon dioxide (CO<sub>2</sub>)  
Alcohol-resistant foam  
Water spray jet
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Smoke
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Standard procedure for chemical fires.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

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#### SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Refer to protective measures listed in sections 7 and 8.  
Evacuate personnel to safe areas.
- Environmental precautions : Prevent further leakage or spillage.  
Clean contaminated floors and objects thoroughly while observing environmental regulations.  
Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Sweep up or vacuum up spillage and collect in suitable container for disposal.

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### SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Do not breathe vapours or spray mist.  
For personal protection see section 8.  
Avoid contact with skin and eyes.  
Keep container closed when not in use.  
Avoid exposure - obtain special instructions before use.
- Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Observe label precautions.
- Materials to avoid : Store and keep away from bases and alkalies.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

| Components        | CAS-No.   | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |
|-------------------|-----------|----------------------------------|---|-----------|
| hydrochloric acid | 7647-01-0 | C                                | 2 ppm   | ACGIH     |
|                   |           | C                                | 5 ppm<br>7 mg/m3                                  | NIOSH REL |
|                   |           | C                                | 5 ppm<br>7 mg/m3                                  | OSHA Z-1  |
|                   |           | C                                | 5 ppm<br>7 mg/m3                                  | OSHA P0   |
|                   |           | PEL                              | 0.3 ppm<br>0.45 mg/m3                             | CAL PEL   |
|                   |           | C                                | 2 ppm   | CAL PEL   |

#### Personal protective equipment

- Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
- Hand protection  
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Tightly fitting safety goggles  
Ensure that eyewash stations and safety showers are close to the workstation location.
- Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

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Hygiene measures : When using do not eat or drink.  
Wash hands before breaks and at the end of workday.  
When using do not smoke.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : white, opaque

Odour : characteristic

Odour Threshold : No data available

pH : < 1

Melting point/freezing point : No data available

Boiling point : No data available

Flash point :  
does not flash

Evaporation rate : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : 1.115

Density : No data available

Solubility(ies)

Water solubility : soluble

Solubility in other solvents : not determined

Partition coefficient: n-octanol/water : No data available

Thermal decomposition : No data available

Viscosity

Viscosity, kinematic : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable

Chemical stability : Stable under normal conditions.

Possibility of hazardous : No dangerous reaction known under conditions of normal use.

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reactions

Conditions to avoid : No data available

Incompatible materials : Bases

Hazardous decomposition products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Potential Health Effects

##### Carcinogenicity:

###### IARC

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

###### ACGIH

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

###### OSHA

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

###### NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

#### Acute toxicity

No data available

#### Skin corrosion/irritation

##### Product:

Remarks: May cause skin irritation and/or dermatitis.

#### Serious eye damage/eye irritation

##### Product:

Remarks: May cause irreversible eye damage.

#### Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

No data available

#### Reproductive toxicity

No data available

#### STOT - single exposure

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No data available

### STOT - repeated exposure

No data available

### Aspiration toxicity

No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

#### Product:

Partition coefficient: n-octanol/water : Remarks: No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

#### Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with local regulations.  
The product should not be allowed to enter drains, water courses or the soil.  
Do not dispose of waste into sewer.

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Contaminated packaging : Do not re-use empty containers.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
Empty remaining contents.

### SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA):  
UN1760, Corrosive liquids, n.o.s., (HYDROCHLORIC ACID), 8, II - Limited quantity

Transportation Regulation: IMDG (Vessel):  
UN1760, CORROSIVE LIQUID, N.O.S., (HYDROCHLORIC ACID), 8, II - Limited quantity

Transportation Regulation: IATA (Cargo Air):  
UN1760, Corrosive liquid, n.o.s., (HYDROCHLORIC ACID), 8, II

Transportation Regulation: IATA (Passenger Air):  
UN1760, Corrosive liquid, n.o.s., (HYDROCHLORIC ACID), 8, II

Transportation Regulation: TDG (Canada):  
UN1760, CORROSIVE LIQUID, N.O.S., (HYDROCHLORIC ACID), 8, II - Limited quantity

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

### SECTION 15. REGULATORY INFORMATION

TSCA list : Not relevant

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

#### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

| Components        | CAS-No.   | Component RQ (lbs) | Calculated product RQ (lbs) |
|-------------------|-----------|--------------------|-----------------------------|
| hydrochloric acid | 7647-01-0 | 5000               | *                           |

\*: Calculated RQ exceeds reasonably attainable upper limit.

#### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity



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This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Skin corrosion or irritation  
Serious eye damage or eye irritation  
Specific target organ toxicity (single or repeated exposure)

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### The components of this product are reported in the following inventories:

**DSL** All components of this product are on the Canadian DSL  
**NDSL** This product contains one or several components listed in the Canadian NDSL.  
**TSCA** On TSCA Inventory

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

### Inventory Acronym and Validity Area Legend:

TSCA (USA), DSL (Canada), NDSL (Canada)

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## SECTION 16. OTHER INFORMATION

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### Further information

#### NFPA:

|                 |   |
|-----------------|---|
| HEALTH          | 3 |
| FLAMMABILITY    | 0 |
| INSTABILITY     | 0 |
| SPECIAL HAZARD. |   |

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme

#### HMIS III:

|                 |   |
|-----------------|---|
| HEALTH          | 3 |
| FLAMMABILITY    | 0 |
| PHYSICAL HAZARD | 0 |

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

### OSHA - GHS Label Information:

Hazard pictograms



Signal word

Hazard statements

Precautionary statements

: **Danger:**  
: Causes severe skin burns and eye damage. May cause respiratory irritation.  
:  
: **Prevention:** Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye protection/ face protection.  
: **Response:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Wash contaminated clothing before reuse.  
: **Storage:** Store in a well-ventilated place. Keep container tightly closed. Store locked up.

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**Disposal:** Dispose of contents/container in accordance with local regulation.

|                |            |
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