

# SAFETY DATA SHEET

## ZEP ZEP-FLO ACIDIC DRAIN OPENER\_QT\_6CT

Version 1.1

Revision Date 10/01/2023

Print Date 04/25/2025

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ZEP ZEP-FLO ACIDIC DRAIN OPENER\_QT\_6CT

Material number : 000000000000168606

#### Manufacturer or supplier's details

Company : Zep Inc.

Address : 11627 - 178 Street  
Edmonton, Alberta T5S 1N6  
Canada

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.

#### Recommended use of the chemical and restrictions on use

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

|                |            |
|----------------|------------|
| Physical state | liquid     |
| Colour         | light pink |
| Odour          | pungent    |

#### GHS Classification

Skin corrosion : Category 1

Serious eye damage : Category 1

#### GHS label elements

Hazard pictograms :



Corrosion

Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.

# SAFETY DATA SHEET

## ZEP ZEP-FLO ACIDIC DRAIN OPENER\_QT\_6CT

Version 1.1

Revision Date 10/01/2023

Print Date 04/25/2025

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
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.  
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.  
**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 [%] |
|----------------|-----------|-------------------|
| sulphuric acid | 7664-93-9 | >= 80 - <= 100    |

### SECTION 4. FIRST AID MEASURES

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

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

In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.  
Wash off immediately with plenty of water for at least 15 minutes.  
Remove contaminated clothing and shoes.  
Wash contaminated clothing before reuse.  
If skin irritation persists, call a physician.

In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
Continue rinsing eyes during transport to hospital.

# SAFETY DATA SHEET

## ZEP ZEP-FLO ACIDIC DRAIN OPENER\_QT\_6CT

Version 1.1

Revision Date 10/01/2023

Print Date 04/25/2025

|   |   |
|---|---|
|   | <p>Remove contact lenses.<br/>Protect unharmed eye.<br/>Keep eye wide open while rinsing.<br/>If eye irritation persists, consult a specialist.<br/>Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.</p>  |
| If swallowed  | <p>: Keep respiratory tract clear.<br/>Never give anything by mouth to an unconscious person.<br/>DO NOT induce vomiting unless directed to do so by a physician or poison control center.<br/>Take victim immediately to hospital.</p>   |
| Most important symptoms and effects, both acute and delayed | <p>: Effects are dependent on exposure (dose, concentration, contact time).<br/>Effects are immediate and delayed.<br/>Symptoms may include blistering, irritation, burns, and pain.<br/>Causes severe skin burns and eye damage.<br/>Review section 2 of SDS to see all potential hazards.</p> |
| Notes to physician  | <p>: Treat symptomatically. Symptoms may be delayed.</p>  |

---

### SECTION 5. FIREFIGHTING MEASURES

|   |  |
|---|--|
| Suitable extinguishing media                  | <p>: Water spray jet<br/>Alcohol-resistant foam<br/>Carbon dioxide (CO2)<br/>Dry chemical</p>  |
| Unsuitable extinguishing media                | <p>: High volume water jet</p>   |
| Specific hazards during firefighting          | <p>: Do not allow run-off from fire fighting to enter drains or water courses.<br/>Sulphur oxides<br/>No hazardous combustion products are known</p>   |
| Hazardous combustion products                 | <p>: Sulphur oxides<br/>No hazardous combustion products are known</p>   |
| Specific extinguishing methods                | <p>: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.</p>   |
| Further information                           | <p>: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br/>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.<br/>Standard procedure for chemical fires.</p> |
| Special protective equipment for firefighters | <p>: Wear self-contained breathing apparatus for firefighting if necessary.</p>  |

---

### SECTION 6. ACCIDENTAL RELEASE MEASURES

|                       |   |
|-----------------------|---|
| Personal precautions, | <p>: Use personal protective equipment.</p> |
|-----------------------|---|

# SAFETY DATA SHEET

## ZEP ZEP-FLO ACIDIC DRAIN OPENER\_QT\_6CT

Version 1.1

Revision Date 10/01/2023

Print Date 04/25/2025

|   |  |
|---|--|
| protective equipment and emergency procedures         | Ensure adequate ventilation.<br>Evacuate personnel to safe areas.  |
| Environmental precautions                             | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains, inform respective authorities. |
| Methods and materials for containment and cleaning up | : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).<br>Keep in suitable, closed containers for disposal.                              |

### SECTION 7. HANDLING AND STORAGE

|                             |  |
|-----------------------------|--|
| Advice on safe handling     | : Do not breathe vapours/dust.<br>Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>To avoid spills during handling keep bottle on a metal tray.<br>Dispose of rinse water in accordance with local and national regulations. |
| Conditions for safe storage | : Keep container tightly closed in a dry and well-ventilated place.<br>Observe label precautions.<br>Electrical installations / working materials must comply with the technological safety standards.   |
| 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 / Permissible concentration | Basis     |
|----------------|-----------|----------------------------------|--|-----------|
| sulphuric acid | 7664-93-9 | TWA                              | 1 mg/m3  | CA AB OEL |
|                |           | STEL                             | 3 mg/m3  | CA AB OEL |
|                |           | TWA (Thoracic)                   | 0.2 mg/m3                                      | CA BC OEL |
|                |           | TWAEV                            | 1 mg/m3  | CA QC OEL |
|                |           | STEV                             | 3 mg/m3  | CA QC OEL |
|                |           | TWA (Thoracic fraction)          | 0.2 mg/m3                                      | ACGIH     |

**Engineering measures** : effective ventilation in all processing areas

#### Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust

# SAFETY DATA SHEET

## ZEP ZEP-FLO ACIDIC DRAIN OPENER\_QT\_6CT

Version 1.1

Revision Date 10/01/2023

Print Date 04/25/2025

ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

|                          |   |
|--------------------------|---|
| Hand protection          |   |
| Material                 | : Protective gloves   |
| Remarks                  | : The suitability for a specific workplace should be discussed with the producers of the protective gloves.   |
| Eye protection           | : Tightly fitting safety goggles<br>Wear face-shield and protective suit for abnormal processing problems.<br>Access to clean water to rinse eyes must be available, options include: eye wash stations or showers, or eye wash bottles with pure water.<br>Eye wash bottle with pure water<br>Tightly fitting safety goggles<br>Wear face-shield and protective suit for abnormal processing problems. |
| Skin and body protection | : Impervious clothing<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place.   |
| Hygiene measures         | : When using do not eat or drink.<br>When using do not smoke.<br>Wash hands before breaks and at the end of workday.  |

---

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                              |                     |
|------------------------------|---------------------|
| Appearance                   | : liquid            |
| Colour                       | : light pink        |
| Odour                        | : pungent           |
| Odour Threshold              | : No data available |
| pH                           | : < 1               |
| Melting point/freezing point | : No data available |
| Boiling point                | : 287.8 °C          |
| Flash point                  | :<br>does not flash |
| Evaporation rate             | : No data available |
| Upper explosion limit        | : No data available |
| Lower explosion limit        | : No data available |
| Vapour pressure              | : 1.3 hPa           |
| Relative vapour density      | : No data available |
| Density                      | : 1.82 g/cm3        |
| Solubility(ies)              |                     |

# SAFETY DATA SHEET

## ZEP ZEP-FLO ACIDIC DRAIN OPENER\_QT\_6CT

Version 1.1

Revision Date 10/01/2023

Print Date 04/25/2025

Water solubility : soluble in cold water

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

Viscosity

Viscosity, kinematic : No data available

---

### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.

Conditions to avoid : Extremes of temperature and direct sunlight.

Incompatible materials : Bases

Hazardous decomposition products : Sulphur oxides

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Potential Health Effects

Aggravated Medical Condition : None known.

Symptoms of Overexposure : Effects are dependent on exposure (dose, concentration, contact time).  
Effects are immediate and delayed.  
Symptoms may include blistering, irritation, burns, and pain.  
Causes severe skin burns and eye damage.  
Review section 2 of SDS to see all potential hazards.  
Treat symptomatically. Symptoms may be delayed.

#### Carcinogenicity:

##### IARC

Group 1: Carcinogenic to humans

sulphuric acid

7664-93-9

##### ACGIH

Suspected human carcinogen

sulphuric acid

7664-93-9

#### Acute toxicity

# SAFETY DATA SHEET

## ZEP ZEP-FLO ACIDIC DRAIN OPENER\_QT\_6CT

Version 1.1

Revision Date 10/01/2023

Print Date 04/25/2025

---

No data available

### Skin corrosion/irritation

#### Product:

Remarks: Extremely corrosive and destructive to tissue.

### 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

No data available

### STOT - repeated exposure

No data available

### Aspiration toxicity

No data available

### Further information

#### Product:

Remarks: No data available

---

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

#### Product:

Partition coefficient: n- : Remarks: No data available

# SAFETY DATA SHEET

## ZEP ZEP-FLO ACIDIC DRAIN OPENER\_QT\_6CT

Version 1.1

Revision Date 10/01/2023

Print Date 04/25/2025

octanol/water

### Mobility in soil

No data available

### Other adverse effects

No data available

#### Product:

Additional ecological information : No data available

---

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

---

## SECTION 14. TRANSPORT INFORMATION

|   |
|---|
| Transportation Regulation (TDG) / Règlement Pour Le Transport (TMD): (Canada):<br>UN1830, SULFURIC ACID, 8, II - Limited quantity |
|---|

|   |
|---|
| Transportation Regulation / Règlement Pour Le Transport: IMDG (Vessel):<br>UN1830, SULPHURIC ACID, 8, II - Limited quantity |
|---|

|  |
|--|
| Transportation Regulation / Règlement Pour Le Transport: IATA (Cargo Air):<br>UN1830, Sulphuric acid, 8, II - Limited quantity |
|--|

|  |
|--|
| Transportation Regulation / Règlement Pour Le Transport: IATA (Passenger Air):<br>UN1830, Sulphuric acid, 8, II - Limited quantity |
|--|

|   |
|---|
| Transportation Regulation / Règlement Pour Le Transport: 49 CFR (USA):<br>UN1830, Sulfuric acid, 8, II - Limited quantity |
|---|

The product as delivered to the customer conforms to packaging requirements for shipment by road under Transport Dangerous Goods (TDG) Canada 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



# SAFETY DATA SHEET

## ZEP ZEP-FLO ACIDIC DRAIN OPENER\_QT\_6CT

Version 1.1

Revision Date 10/01/2023

Print Date 04/25/2025

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

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

**DSL** All components of this product are on the Canadian DSL  
**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)

---

## SECTION 16. OTHER INFORMATION

---

### WHMIS - GHS Label Information:

Hazard pictograms :



Corrosion

Signal word :

**Danger:**

Hazard statements :

Causes severe skin burns and eye damage.

Precautionary statements :

**Prevention:** Wash skin thoroughly after handling. 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. 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.

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

---

|                |            |
|----------------|------------|
| Version:       | 1.1        |
| Revision Date: | 10/01/2023 |
| Print Date:    | 04/25/2025 |

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.

**SAFETY DATA SHEET**  
**ZEP ZEP-FLO ACIDIC DRAIN OPENER\_QT\_6CT**

Version 1.1

Revision Date 10/01/2023

Print Date 04/25/2025

---