

# SAFETY DATA SHEET

## ZEP ZEPLUBE 275GL

Version 4.1

Revision Date 10/01/2023

Print Date 04/27/2025

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ZEP ZEPLUBE 275GL

Material number : 000000000000145989

#### 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

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

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

|            |           |
|------------|-----------|
| Appearance | liquid    |
| Colour     | amber     |
| Odour      | odourless |

#### GHS Classification

Serious eye damage : Category 1

Carcinogenicity : Category 2

Specific target organ toxicity -  
repeated exposure  
(Inhalation) : Category 2

#### GHS label elements

Hazard pictograms



Health hazard

Corrosion

Signal word : Danger

Hazard statements : H318 Causes serious eye damage.  
H351 Suspected of causing cancer.  
H373 May cause damage to organs through prolonged or  
repeated exposure if inhaled.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.

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P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

### Response:

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.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

### 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 [%] |
|---|------------|-------------------|
| tetrasodium ethylenediaminetetraacetate             | 64-02-8    | >= 5 - < 10       |
| 2-methylpentane-2,4-diol                            | 107-41-5   | >= 5 - < 10       |
| ethanol   | 64-17-5    | >= 3 - < 5        |
| Fatty acids, C8-18 and C18-unsatd., potassium salts | 67701-09-1 | >= 1 - < 3        |
| Amides, coco, N,N-bis(hydroxyethyl)                 | 68603-42-9 | >= 1 - < 3        |
| 2,2'-iminodiethanol                                 | 111-42-2   | >= 0.1 - < 1      |

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

## SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Consult a physician.  
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.  
Move to fresh air.  
Oxygen or artificial respiration if needed.
- In case of skin contact : If skin irritation persists, call a physician.  
Remove contaminated clothing and shoes.  
Wash contaminated clothing before reuse.  
Wash off immediately with plenty of water for at least 15 minutes.

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- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
DO NOT induce vomiting unless directed to do so by a physician or poison control center.  
Take victim immediately to hospital.
- Most important symptoms and effects, both acute and delayed : Effects are immediate and delayed.  
Effects are dependent on exposure (dose, concentration, contact time).  
Chronic effects are delayed and symptoms may not be observed during an exposure.  
Symptoms may include irritation, redness, pain, and rash.  
Symptoms may differ depending on organs and systems affected. These effects generally are reflected in reduced function or change, which may include cramping, swelling, respiratory issues, and general pain.  
Causes serious eye damage.  
Suspected of causing cancer.  
Review section 2 of SDS to see all potential hazards.  
May cause damage to organs through prolonged or repeated exposure.
- Notes to physician : Treat symptomatically. Symptoms may be delayed.

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### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 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  
Nitrogen oxides (NO<sub>x</sub>)  
Smoke
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must

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be disposed of in accordance with local regulations.

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Immediately evacuate personnel to safe areas.

Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
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).  
Sweep up or vacuum up spillage and collect in suitable container for disposal.

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not breathe vapours or spray mist.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
To avoid spills during handling keep bottle on a metal tray.  
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.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

Materials to avoid : Oxidizing agents  
Do not store near acids.

### 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     |
|--------------------------|----------|----------------------------------|--|-----------|
| 2-methylpentane-2,4-diol | 107-41-5 | C                                | 25 ppm   | ACGIH     |
|                          |          | C                                | 25 ppm   | NIOSH REL |

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|                     |          |   |                          |           |
|---------------------|----------|---|--------------------------|-----------|
|                     |          |   | 125 mg/m3                |           |
|                     |          | C   | 25 ppm<br>125 mg/m3      | OSHA P0   |
|                     |          | C   | 25 ppm<br>125 mg/m3      | CAL PEL   |
| ethanol             | 64-17-5  | TWA   | 1,000 ppm                | ACGIH     |
|                     |          | TWA   | 1,000 ppm<br>1,900 mg/m3 | NIOSH REL |
|                     |          | TWA   | 1,000 ppm<br>1,900 mg/m3 | OSHA Z-1  |
|                     |          | TWA   | 1,000 ppm<br>1,900 mg/m3 | OSHA P0   |
|                     |          | STEL  | 1,000 ppm                | ACGIH     |
|                     |          | PEL   | 1,000 ppm<br>1,900 mg/m3 | CAL PEL   |
| 2,2'-iminodiethanol | 111-42-2 | TWA<br>(Inhalable<br>fraction and<br>vapor) | 1 mg/m3                  | ACGIH     |
|                     |          | TWA   | 3 ppm<br>15 mg/m3        | NIOSH REL |
|                     |          | TWA   | 3 ppm<br>15 mg/m3        | OSHA P0   |
|                     |          | PEL   | 0.46 ppm<br>2 mg/m3      | CAL PEL   |

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

### 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

Material

Remarks

: Protective gloves

: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection

: Access to clean water to rinse eyes must be available, options include: eye wash stations or showers, or eye wash bottles with pure water.

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection

: Impervious clothing

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.

When using do not smoke.

Wash hands before breaks and at the end of workday.

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |  |
|--|--|
| Appearance                             | : liquid                               |
| Colour                                 | : amber                                |
| Odour                                  | : odourless                            |
| Odour Threshold                        | : No data available                    |
| pH                                     | : 10 - 10.8                            |
| Melting point/freezing point           | : Not applicable                       |
| Boiling point                          | : 100 °C                               |
| Flash point                            | : > 93.33 °C<br>Method: Tag closed cup |
| Evaporation rate                       | : 1                                    |
| Upper explosion limit                  | : No data available                    |
| Lower explosion limit                  | : No data available                    |
| Vapour pressure                        | : No data available                    |
| Relative vapour density                | : No data available                    |
| Density                                | : 1.037 g/cm <sup>3</sup>              |
| Bulk density                           | : No data available                    |
| Solubility(ies)                        |  |
| Water solubility                       | : soluble                              |
| Solubility in other solvents           | : soluble                              |
| Partition coefficient: n-octanol/water | : No data available                    |
| Auto-ignition temperature              | : not determined                       |
| Thermal decomposition                  | : No data available                    |
| Viscosity                              |  |
| Viscosity, dynamic                     | : No data available                    |
| Viscosity, kinematic                   | : 125.8 mm <sup>2</sup> /s (20 °C)     |

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### SECTION 10. STABILITY AND REACTIVITY

|                    |                                   |
|--------------------|-----------------------------------|
| Reactivity         | : Stable                          |
| Chemical stability | : Stable under normal conditions. |

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|                                    |   |
|------------------------------------|---|
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed. |
| Conditions to avoid                | : Extremes of temperature and direct sunlight.        |
| Incompatible materials             | : Oxidizing agents<br>Acids                           |
| Hazardous decomposition products   | : Carbon oxides<br>Nitrogen oxides (NOx)              |

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Potential Health Effects

|                              |   |
|------------------------------|---|
| Aggravated Medical Condition | : None known.   |
| Symptoms of Overexposure     | : Effects are immediate and delayed.<br>Effects are dependent on exposure (dose, concentration, contact time).<br>Chronic effects are delayed and symptoms may not be observed during an exposure.<br>Symptoms may include irritation, redness, pain, and rash.<br>Symptoms may differ depending on organs and systems affected. These effects generally are reflected in reduced function or change, which may include cramping, swelling, respiratory issues, and general pain.<br>Causes serious eye damage.<br>Suspected of causing cancer.<br>Review section 2 of SDS to see all potential hazards.<br>May cause damage to organs through prolonged or repeated exposure.<br>Treat symptomatically. Symptoms may be delayed. |

#### Carcinogenicity:

|              |   |            |
|--------------|---|------------|
| <b>IARC</b>  | Group 2B: Possibly carcinogenic to humans   |            |
|              | Amides, coco, N,N-bis(hydroxyethyl)   | 68603-42-9 |
|              | 2,2'-iminodiethanol   | 111-42-2   |
| <b>ACGIH</b> | Confirmed animal carcinogen with unknown relevance to humans  |            |
|              | ethanol   | 64-17-5    |
|              | 2,2'-iminodiethanol   | 111-42-2   |
| <b>OSHA</b>  | No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.                |            |
| <b>NTP</b>   | 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

##### Product:

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Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

### Components:

#### **2-methylpentane-2,4-diol:**

Acute oral toxicity : LD50 Oral Rat: 3,700 mg/kg

#### **ethanol:**

Acute oral toxicity : LD50 Oral Rat: 7,060 mg/kg

Acute inhalation toxicity : LC50 Rat: 124.7 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

### **Skin corrosion/irritation**

#### Product:

Remarks: Irritating to skin.

### **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**

#### Components:

#### **tetrasodium ethylenediaminetetraacetate:**

Exposure routes: Inhalation

Assessment: May cause damage to organs through prolonged or repeated exposure.

### **Aspiration toxicity**

No data available

### **Further information**

#### Product:



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Remarks: No data available

### Components:

**Amides, coco, N,N-bis(hydroxyethyl):**

Remarks: 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

#### Components:

**2-methylpentane-2,4-diol :**

Partition coefficient: n-octanol/water : Pow: 0.58

**ethanol :**

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

**Amides, coco, N,N-bis(hydroxyethyl) :**

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

**2,2'-iminodiethanol :**

Partition coefficient: n-octanol/water : Pow: 1.43

### 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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### Components:

**Amides, coco, N,N-bis(hydroxyethyl) :**

Additional ecological information : No data available

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## 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.

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## SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IMDG (Vessel):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IATA (Cargo Air):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: IATA (Passenger Air):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation: TDG (Canada):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

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.

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## SECTION 15. REGULATORY INFORMATION

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**TSCA list** : 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<br>(lbs) | Calculated product RQ<br>(lbs) |
|---------------------|----------|-----------------------|--------------------------------|
| 2,2'-iminodiethanol | 111-42-2 | 100                   | *                              |

\*: Calculated RQ exceeds reasonably attainable upper limit.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

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

**SARA 311/312 Hazards** : Serious eye damage or eye irritation  
Carcinogenicity  
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



WARNING: This product can expose you to chemicals including Amides, coco, N,N-bis(hydroxyethyl), 2,2'-iminodiethanol, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### 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

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### Further information

#### NFPA:

|                 |   |
|-----------------|---|
| HEALTH          | 3 |
| FLAMMABILITY    | 1 |
| INSTABILITY     | 0 |
| SPECIAL HAZARD. |   |

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

#### HMIS III:

|                 |    |
|-----------------|----|
| HEALTH          | 3* |
| FLAMMABILITY    | 1  |
| PHYSICAL HAZARD | 0  |

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

### OSHA - GHS Label Information:

Hazard pictograms



Health hazard

Corrosion

Signal word

Hazard statements

Precautionary statements

- : **Danger:**  
: Causes serious eye damage. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure if inhaled.
- : **Prevention:** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Wear protective gloves/ protective clothing/ eye protection/ face protection.
- : **Response:** 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. IF exposed or concerned: Get medical advice/ attention.
- : **Disposal:** Dispose of contents/container in accordance with local regulation.

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