

# SAFETY DATA SHEET

## ZEP FS ANTIMICROBIAL HAND CLEANER 4-1GL

Version 2.0

Revision Date 03/27/2025

Print Date 04/27/2025

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ZEP FS ANTIMICROBIAL HAND CLEANER 4-1GL

Material number : 000000000000315324

#### 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

|            |              |
|------------|--------------|
| Appearance | viscous      |
| Colour     | clear, amber |
| Odour      | odourless    |

#### GHS Classification

Eye irritation : Category 2A

#### GHS label elements

Hazard pictograms :



Exclamation  
mark

Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**

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P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

### Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

| Chemical name  | CAS-No.    | Concentration [%] |
|--|------------|-------------------|
| didecyldimethylammonium chloride   | 7173-51-5  | $\geq 1 - < 5$    |
| Fatty acids, coco, reaction products with ethanolamine, ethoxylated  | 61791-08-0 | $\geq 1 - < 5$    |
| 1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-coco acyl derivs., hydroxides, inner salts | 68139-30-0 | $\geq 1 - < 5$    |

### 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.  
Get medical attention immediately if symptoms occur.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : This product is formulated for use on skin but should always be immediately washed off with plenty of water. Discontinue use if irritation and redness develop. If conditions persist for more than 72 hours, consult a physician.
- In case of eye contact : Remove contact lenses.  
Protect unharmed eye.  
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
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.  
If symptoms persist, call a physician.
- Most important symptoms : Effects are immediate and delayed.

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and effects, both acute and delayed

Symptoms may include irritation, redness, pain, and rash.  
Causes serious eye irritation.  
Review section 2 of SDS to see all potential hazards.

Notes to physician

: Treat symptomatically. Symptoms may be delayed.

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### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media

: Dry chemical  
Water spray jet  
Carbon dioxide (CO<sub>2</sub>)  
Alcohol-resistant foam

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

: Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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

: Material can create slippery conditions.  
Use non-slip safety shoes in areas where spills or leaks can occur.  
Refer to protective measures listed in sections 7 and 8.

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).  
Keep in suitable, closed containers for disposal.

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### SECTION 7. HANDLING AND STORAGE

- |                             |   |
|-----------------------------|---|
| Advice on safe handling     | : For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Dispose of rinse water in accordance with local and national regulations.<br>Avoid contact with eyes.   |
| Conditions for safe storage | : Keep container tightly closed in a dry and well-ventilated place.<br>Containers which are opened must be carefully resealed and kept upright to prevent leakage.<br>Electrical installations / working materials must comply with the technological safety standards. |
| Materials to avoid          | : Oxidizing agents  |

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

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

#### Personal protective equipment

- |                          |   |
|--------------------------|---|
| Respiratory protection   | : No personal respiratory protective equipment normally required.   |
| Hand protection          |   |
| Remarks                  | : No special protection is required.  |
| Eye protection           | : Eye protection is not required while washing with this product.<br>In the workplace, the use of safety glasses is recommended to avoid eye exposure during the handling of containers or during spill clean-up. |
| Skin and body protection | : No special protection is required.  |
| 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.  |

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- |            |                |
|------------|----------------|
| Appearance | : viscous      |
| Colour     | : clear, amber |
| Odour      | : odourless    |
| pH         | : 6.5 - 7.5    |

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|  |                        |
|--|------------------------|
| Melting point/freezing point           | : No data available    |
| Boiling point                          | : 104.4 °C             |
| Flash point                            | :<br>No data available |
| Vapour pressure                        | : No data available    |
| Density                                | : 1 g/cm3              |
| Solubility(ies)                        |                        |
| Water solubility                       | : completely soluble   |
| Partition coefficient: n-octanol/water | : No data available    |
| Auto-ignition temperature              | : not determined       |
| 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 reactions | : No decomposition if stored and applied as directed. |
| Conditions to avoid                | : No data available                                   |
| Incompatible materials             | : Oxidizing agents                                    |
| Hazardous decomposition products   | : Carbon oxides                                       |

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Potential Health Effects

|                              |   |
|------------------------------|---|
| Aggravated Medical Condition | : None known.   |
| Symptoms of Overexposure     | : Effects are immediate and delayed.<br>Symptoms may include irritation, redness, pain, and rash.<br>Causes serious eye irritation.<br>Review section 2 of SDS to see all potential hazards.<br>Treat symptomatically. Symptoms may be delayed. |

#### Carcinogenicity:

**IARC** No component of this product present at levels greater than or

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equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### ACGIH

Confirmed animal carcinogen with unknown relevance to humans

ethanol

64-17-5

### Acute toxicity

#### Product:

Acute oral toxicity : Acute toxicity estimate : 3,230 mg/kg  
Method: Calculation method

### Skin corrosion/irritation

#### Product:

Result: No skin irritation

### Serious eye damage/eye irritation

#### Product:

Remarks: Irritating to eyes.

### 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

#### Components:

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**Fatty acids, coco, reaction products with ethanolamine, ethoxylated:**

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- : Remarks: No data available  
octanol/water

#### Mobility in soil

No data available

#### Other adverse effects

No data available

##### Product:

Additional ecological : An environmental hazard cannot be excluded in the  
information event of unprofessional handling or disposal., Harmful to  
aquatic life.

##### Components:

**Fatty acids, coco, reaction products with ethanolamine, ethoxylated :**

Additional ecological : No data available  
information

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : The product should not be allowed to enter drains, water  
courses or the soil.  
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 (TDG) / Règlement Pour Le Transport (TMD): (Canada):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation / Règlement Pour Le Transport: IMDG (Vessel):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation / Règlement Pour Le Transport: IATA (Cargo Air):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation / Règlement Pour Le Transport: IATA (Passenger Air):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

Transportation Regulation / Règlement Pour Le Transport: 49 CFR (USA):  
NOT REGULATED AS DANGEROUS GOODS OR HAZARDOUS MATERIAL

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.

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### SECTION 15. REGULATORY INFORMATION

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)

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### SECTION 16. OTHER INFORMATION



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### WHMIS - GHS Label Information:

Hazard pictograms

:



Exclamation  
mark

Signal word

: **Warning:**

Hazard statements

: Causes serious eye irritation.

Precautionary statements

:

**Prevention:** Wash skin thoroughly after handling. Wear protective gloves/ 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. If eye irritation persists: Get medical advice/ attention.

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