

# SAFETY DATA SHEET

## ZEP ALCOSAN SANITIZER 1L

Version 2.1

Revision Date 10/01/2023

Print Date 04/28/2025

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : ZEP ALCOSAN SANITIZER 1L

Material number : P20701C

#### 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 | liquid       |
| Colour     | colourless   |
| Odour      | alcohol-like |

#### GHS Classification

Flammable liquids : Category 3  
Eye irritation : Category 2A  
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

#### GHS label elements

Hazard pictograms :



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|                          |  |
|--------------------------|--|
| Signal word              | : Warning<br>Warning   |
| Hazard statements        | : H226 Flammable liquid and vapour.<br>H319 Causes serious eye irritation.<br>H336 May cause drowsiness or dizziness.<br>H226 Flammable liquid and vapour.<br>H319 Causes serious eye irritation.<br>H336 May cause drowsiness or dizziness.   |
| Precautionary statements | : <b>Prevention:</b><br>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P233 Keep container tightly closed.<br>P240 Ground and bond container and receiving equipment.<br>P241 Use explosion-proof electrical/ ventilating/ lighting equipment.<br>P242 Use non-sparking tools.<br>P243 Take action to prevent static discharges.<br>P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.<br>P264 Wash skin thoroughly after handling.<br>P271 Use only outdoors or in a well-ventilated area.<br>P280 Wear protective gloves/ eye protection/ face protection.<br>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P233 Keep container tightly closed.<br>P240 Ground and bond container and receiving equipment.<br>P241 Use explosion-proof electrical/ ventilating/ lighting equipment.<br>P242 Use non-sparking tools.<br>P243 Take action to prevent static discharges.<br>P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.<br>P264 Wash skin thoroughly after handling.<br>P271 Use only outdoors or in a well-ventilated area.<br>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.<br><b>Response:</b><br>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.<br>P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.<br>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337 + P313 If eye irritation persists: Get medical advice/ attention.<br>P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.<br>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.<br>P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON |

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CENTER/doctor if you feel unwell.

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.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

### Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P235 Keep cool.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

### Disposal:

P501 Dispose of contents/container in accordance with local regulation.

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 [%] |
|---------------|---------|-------------------|
| propan-2-ol   | 67-63-0 | >= 45 - < 70      |
| propan-2-ol   | 67-63-0 | >= 60 - < 80      |

## 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 : Consult a physician after significant exposure.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.  
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

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|---|---|
| If swallowed  | : Keep respiratory tract clear.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>DO NOT induce vomiting unless directed to do so by a physician or poison control center.   |
| Most important symptoms and effects, both acute and delayed | : Effects are immediate and delayed.<br>Effects are dependent on exposure (dose, concentration, contact time).<br>Symptoms may include central nervous system depression, resulting in headache, nausea and/or dizziness.<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>May cause drowsiness or dizziness. |
| Notes to physician  | : Treat symptomatically. Symptoms may be delayed.   |

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### SECTION 5. FIREFIGHTING MEASURES

|   |   |
|---|---|
| Suitable extinguishing media                  | : Alcohol-resistant foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical   |
| 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> )<br>Carbon monoxide<br>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.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.<br>For safety reasons in case of fire, cans should be stored separately in closed containments.<br>Use a water spray to cool fully closed containers. |
| 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.<br>Ensure adequate ventilation.<br>Remove all sources of ignition.<br>Evacuate personnel to safe areas. |
|---|--|

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Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low 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 : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid formation of aerosol.  
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.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.

Conditions for safe storage : No smoking.  
Keep container tightly closed in a dry and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.

Materials to avoid : No materials to be especially mentioned.

### 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     |
|-------------|---------|----------------------------------|---|-----------|
| propan-2-ol | 67-63-0 | TWA                              | 200 ppm<br>492 mg/m <sup>3</sup>                  | CA AB OEL |
|             |         | STEL                             | 400 ppm<br>984 mg/m <sup>3</sup>                  | CA AB OEL |
|             |         | TWA                              | 200 ppm   | CA BC OEL |
|             |         | STEL                             | 400 ppm   | CA BC OEL |
|             |         | TWAEV                            | 400 ppm<br>983 mg/m <sup>3</sup>                  | CA QC OEL |
|             |         | STEV                             | 500 ppm   | CA QC OEL |

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|  |  |      |                         |       |
|--|--|------|-------------------------|-------|
|  |  |      | 1,230 mg/m <sup>3</sup> |       |
|  |  | TWA  | 200 ppm                 | ACGIH |
|  |  | STEL | 400 ppm                 | ACGIH |

### Biological occupational exposure limits

| Components  | CAS-No. | Control parameters | Biological specimen | Sampling time                   | Permissible concentration | Basis     |
|-------------|---------|--------------------|---------------------|---------------------------------|---------------------------|-----------|
| PROPAN-2-OL | 67-63-0 | Acetone            | Urine               | End of shift at end of workweek | 40 mg/l                   | ACGIH BEI |

**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** : Gloves

**Remarks** : 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.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : liquid

**Colour** : colourless

**Odour** : alcohol-like

**Odour Threshold** : No data available

**pH** : No data available

**Melting point/freezing point** : No data available

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|  |                           |
|--|---------------------------|
| Boiling point                          | : No data available       |
| Flash point                            | : 27.22 °C<br>Method: TCC |
| Evaporation rate                       | : No data available       |
| Vapour pressure                        | : No data available       |
| Relative vapour density                | : No data available       |
| Density                                | : 0.86 g/cm3              |
| Solubility(ies)                        |                           |
| Water solubility                       | : No data available       |
| Partition coefficient: n-octanol/water | : 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.<br>Vapours may form explosive mixture with air. |
| Conditions to avoid                | : Heat, flames and sparks.  |
| Incompatible materials             | : No data available   |
| Hazardous decomposition products   | : No data available   |

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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>Effects are dependent on exposure (dose, concentration, contact time).<br>Symptoms may include central nervous system depression, resulting in headache, nausea and/or dizziness.<br>Symptoms may include irritation, redness, pain, and rash.<br>Causes serious eye irritation. |

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Review section 2 of SDS to see all potential hazards.  
May cause drowsiness or dizziness.  
Treat symptomatically. Symptoms may be delayed.

### 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

Confirmed animal carcinogen with unknown relevance to humans

ethanol

64-17-5

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.

### Acute toxicity

#### Product:

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

#### Components:

##### propan-2-ol:

Acute oral toxicity : LD50 Oral Rat: 4,396 mg/kg  
Method: Calculation method

##### propan-2-ol:

Acute oral toxicity : LD50 Oral Rat: 4,396 mg/kg  
Method: Calculation method

### Skin corrosion/irritation

#### Product:

Remarks: May cause skin irritation in susceptible persons.

### Serious eye damage/eye irritation

#### Product:

Remarks: Severe eye irritation

### Respiratory or skin sensitisation

No data available

### Germ cell mutagenicity

No data available

### Carcinogenicity



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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: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

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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:

##### **propan-2-ol :**

Partition coefficient: n-octanol/water : log Pow: 0.05

##### **propan-2-ol :**

Partition coefficient: n-octanol/water : log Pow: 0.05

### Mobility in soil

No data available

### Other adverse effects

No data available

#### Product:

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.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Dispose of in accordance with local regulations. |
| Contaminated packaging | : | Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.<br>Do not burn, or use a cutting torch on, the empty drum.                   |

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### SECTION 14. TRANSPORT INFORMATION

|   |
|---|
| Transportation Regulation (TDG) / Règlement Pour Le Transport (TMD): (Canada):<br>UN1219, ISOPROPANOL, 3, II - Limited quantity |
|---|

|  |
|--|
| Transportation Regulation / Règlement Pour Le Transport: IMDG (Vessel):<br>UN1219, ISOPROPANOL, 3, II - Limited quantity |
|--|

|   |
|---|
| Transportation Regulation / Règlement Pour Le Transport: IATA (Cargo Air):<br>UN1219, Isopropanol, 3, II - Limited quantity |
|---|

|   |
|---|
| Transportation Regulation / Règlement Pour Le Transport: IATA (Passenger Air):<br>UN1219, Isopropanol, 3, II - Limited quantity |
|---|

|   |
|---|
| Transportation Regulation / Règlement Pour Le Transport: 49 CFR (USA):<br>UN1219, Isopropyl alcohol, 3, 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.

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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:**

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### DSL TSCA

All components of this product are on the Canadian DSL  
On TSCA Inventory

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

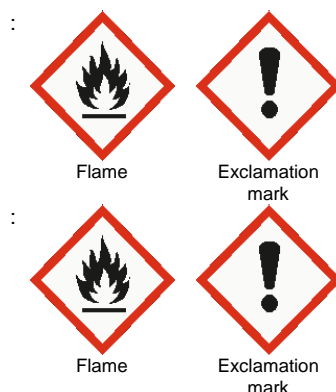
### Inventory Acronym and Validity Area Legend:

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

## SECTION 16. OTHER INFORMATION

### WHMIS - GHS Label Information:

Hazard pictograms



Signal word

Hazard statements

Precautionary statements

: **WarningWarning:**  
: Flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness. Flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.

: **Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting equipment. Use non-sparking tools. Take action to prevent static discharges. 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/ eye protection/ face protection. **Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting equipment. Use non-sparking tools. Take action to prevent static discharges. 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 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. Call a POISON CENTER/doctor if you feel unwell. 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. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. **Response:** 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. Call a POISON CENTER/doctor if you feel unwell. 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. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
**Storage:** Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
**Storage:** Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.  
**Disposal:** Dispose of contents/container in accordance with local regulation. **Disposal:** Dispose of contents/container in accordance with local regulation.

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