1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Product Name United 264 CONTACT

Other means of identification
SDS# UNITED-264

Recommended use of the chemical
And restrictions on use
Recommended use Instant Antiseptic Hand Sanitizer
Uses Advised Against For industrial and institutional use only.

Details of the supplier of the safety data sheet
Company Name United Laboratories, Inc.
320 37th Avenue
St. Charles, IL 60174
www.unitedlabsinc.com

Emergency telephone number
Emergency Telephone 800-323-2594 (to reorder)
INFOTRAC 1-800-535-5053 (North America)
1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Flammable liquids</th>
<th>Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye irritation</td>
<td>Category 2A</td>
</tr>
</tbody>
</table>

Label elements

Emergency Overview

Danger

Hazard statements
Highly flammable liquid and vapor. Causes serious eye irritation.
Prevention
Keep away from heat, sparks, open flames, hot surfaces. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

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. (See Section 4 on this SDS).

Storage
Keep containers tightly closed in a dry, cool and well-ventilated place.

Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations, in an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol</td>
<td>64-17-5</td>
<td>50-70</td>
<td>*</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

General Advice
If symptoms are experienced: Consult a physician. Show this SDS to the doctor in attendance. Move out of dangerous area.

Skin Contact
If irritation is experienced, flush with water. If irritation persists, get medical attention.

Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Inhalation
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

Any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**
Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or alcohol resistant foam.

**Unsuitable extinguishing media**  No information available.

**Specific hazards arising from the chemical**
None known.

**Protective equipment and precautions for firefighters**
Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self-contained breathing apparatus.

**Specific Methods**
Use water spray to cool unopened containers.

**Hazardous combustion products**
Upon decomposition this product may emit carbon dioxide, carbon monoxide, and/or low molecular weight hydrocarbons.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Environmental precautions**
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment and Cleaning up**
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling**
Avoid contact with eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions**
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. Hygroscopic.

**Incompatible materials**
Alkali metals, oxidizing agents, peroxides.

8. EXPOSURE CONTROLS/PERSOANL PROTECTION
Appropriate engineering controls

### Engineering Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TWA/STEL</th>
<th>OSHA TWA/STEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol</td>
<td>TWA: 1000 ppm</td>
<td>TWA: 1000 ppm</td>
<td>-</td>
</tr>
<tr>
<td>64-17-5</td>
<td>STEL: Not available</td>
<td>STEL: Not available</td>
<td>-</td>
</tr>
</tbody>
</table>

**Engineering Controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**Individual protection measures, such as personal protective equipment**

- **Eye/face protection**
  Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

- **Skin and body protection**
  Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

  The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

- **Respiratory protection**
  Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**General Hygiene**

Handle in accordance with good industrial hygiene and safety practice.

**Other information**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

- **Physical state**
  Gel

- **Appearance**
  Clear

- **Color**
  Colorless

- **Odor**
  Not available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
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</thead>
<tbody>
<tr>
<td><strong>pH</strong></td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>0.78-0.8</td>
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<td></td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Melting point/freezing point</strong></td>
<td>-114.1°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>69.8°F (21°C) estimated</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Boiling point and Boiling range</strong></td>
<td>78.5°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>No information available</td>
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<td></td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>Class IB Flammable Liquid</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Upper flammability limit:</strong></td>
<td>19%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Lower flammability limit:</strong></td>
<td>3.3%</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>57.3 hPa at 20°C</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Vapor density 1.6
Relative density No information available.
Water solubility Soluble
Dielectric Strength No information available.
Partition coefficient No information available.
Auto-ignition temperature 363°C (685.4°F)
Decomposition temperature No information available.
VOC (weight %) No information available

10. STABILITY AND REACTIVITY

Reactivity
No information available.

Chemical stability
Material is stable at normal conditions.

Possibility of Hazardous Reactions
Vapors may form explosive mixtures with air.

Conditions to avoid
Heat, flames and sparks. Extremes of temperature and direct sunlight.

Incompatibles
Alkali metals, oxidizing agents, peroxides.

Hazardous Decomposition Products
No information available.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS: Analysis LD50
Ethyl Alcohol (64-17-5) Oral LD50 Rat: 7060 mg/kg

CHRONIC EFFECTS: Ethyl Alcohol (64-17-5)

Carcinogenic Effects: A4 - Not classifiable for human or animal by ACGIH.

Mutagenic Effects: Not Available.

Teratogenic Effects: Not Available.

Developmental Toxicity: Ethyl alcohol is a developmental toxin when consumed during pregnancy Target Organs: When consumed, ethyl alcohol can target the respiratory system, skin, eyes, CNS, liver, blood, and reproductive system.

Inhalation: May cause irritation to the mucous membranes of the upper respiratory tract. Exposure over 1000 ppm may cause headache, drowsiness, lassitude, loss of appetite, inability to concentrate, throat irritation.

Ingestion: Can cause depression of Central Nervous System, nausea, vomiting, diarrhea, intoxication, and in acute cases, death.

Eye: Liquid and vapor may cause irritation. Splashes may cause temporary pain and blurred vision.

Skin: May cause irritation, cracking, flaking, and defatting the skin on prolonged contact.

Chronic Exposure: Prolonged skin contact causes drying and cracking of skin. May affect nervous system, liver, blood, reproductive system.

Signs and Symptoms: Headache, drowsiness, lassitude, loss of appetite, inability to concentrate, irritation of throat/eye/skin, depression of central nervous system, nausea, vomiting, diarrhea, skin defatting.
12. ECOLOGICAL INFORMATION

Ecotoxicity
No information available.

Persistence and degradability
No information available.

Bioaccumulation
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes
Disposal should be in accordance with applicable regional, national, local and international rules and regulations.

Local disposal regulations
Dispose in accordance with local, regional, national and international regulations.

14. TRANSPORT INFORMATION

DOT

UN/ID No. UN1993
Proper shipping name Flammable liquids, n.o.s.
Transport hazard class(es) 3
Packing Group II
Label Flammable Liquid

15. REGULATORY INFORMATION

International Inventories
All components are listed or exempted.

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory-Yes
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List-No

*A Yes indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A No indicates that one or more components of the product are no listed or exempt from listing on the inventory administered by the governing country(s).

US Federal Regulations

SARA 311/312 Hazard Categories

Superfund Amendments and Reauthorization Act of 1986

Acute health hazard Yes
Delayed hazard Yes
Fire hazard Yes
Sudden release of pressure hazard No
Reactive Hazard No
SARA 313 (TRI reporting)
No information available.

SARA 302/304
The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires facilities subject to Subparts 302 and 304 to submit emergency planning and notification information based on Threshold Planning Quantities (TPQs) and Reportable Quantities (RQs) for "Extremely Hazardous Substances" listed in 40 CFR 302.4 and 40 CFR 355. No components were identified.

CERCLA
The Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center concerning release of quantities of "hazardous substances" equal to or greater than the reportable quantities (RQ's) listed in 40 CFR 302.4. As defined by CERCLA, the term "hazardous substance" does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically designated in 40 CFR 302.4. Chemical substances present in this product or refinery stream that may be subject to this statute are: No components were identified.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Physical and Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>3</td>
<td>0</td>
<td>A</td>
</tr>
</tbody>
</table>

Issue Date 10-Aug-2015
Revision Date 10-Aug-2020
Revision Note Updated

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet