1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name United 562 BAC-OFF

Other means of identification
SDS # UNITED-562

Recommended use of the chemical and restrictions on use
Recommended Use Antibacterial Hand Wipes
Uses Advised Against For industrial and institutional use only.

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

Emergency Telephone Number
Company Phone Number 800-323-2594 (to reorder)
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable Solid</td>
<td>Category 2</td>
</tr>
<tr>
<td>Eye Irritant</td>
<td>Category 2A</td>
</tr>
</tbody>
</table>

Label elements

Signal word WARNING

Hazard statements
Flammable solid
Causes serious eye irritation.
May cause drowsiness or dizziness.
Appearance  Clear colorless liquid saturated on towelettes  
Physical State  Solid  
Odor  Mint Scent  

Emergency Overview 

Precautionary Statements - Prevention 
Keep away from heat/sparks/open flames/hot surfaces. – No smoking 
Ground/bond container and receive equipment. 
Use explosion-proof electrical/ventilation/lighting/equipment. 
Avoid breathing dust/fumes/gas/mist/vapors/spray. 
Wash thoroughly after handling. 
Use only outdoors or in well-ventilated area. 
Wear protective gloves/protective clothing/eye protection/face protection. 

Precautionary Statements - Response 
If inhaled: Remove person to fresh air and keep comfortable for breathing. 
If in eyes: Rinse cautiously for several minutes. Remove contacts if present and easy to do. Continue rinsing. 
Call poison center/doctor if you feel unwell. 
If eye irritation persists: Get medical advice/attention. 
In case of fire use water to extinguish. 

Precautionary Statements - Disposal 
Dispose of contents/container to comply with local/regional/national/international regulations. 

Precautionary Statements - Storage 
Store according to local rules and regulations. 
Store in a well-ventilated place. Keep container tightly closed. 

Hazards not otherwise classified (HNOC) 
None known 

Other Information 
None known 

3. COMPOSITION/INFORMATION ON INGREDIENTS 

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>60-100</td>
</tr>
<tr>
<td>UNDECETH-5</td>
<td>34398-01-1</td>
<td>0.5-1.5</td>
</tr>
</tbody>
</table>
4. FIRST-AID MEASURES

First Aid Measures

General Advice
If you feel unwell, seek medical advice (show the label where possible).

Eye Contact
Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation persists: get medical advice/attention.

Skin Contact
Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower.

Inhalation
Remove victim into fresh air.

Ingestion
Rinse mouth with water. Do not induce vomiting.

Most important symptoms and effects

Symptoms/injuries
Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/injuries after inhalation
None under normal use.

Symptoms/injuries after skin contact
Contact under a long period of time may cause light irritation.

Symptoms/injuries after eye contact
Causes serious eye irritation.

Symptoms/injuries after ingestion
Gastrointestinal complaints.

Indication of any immediate medical attention and special treatment needed
Notes to Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
All extinguishing medias allowed.

Specific Hazards Arising from the Chemical
Highly flammable liquid and vapor.

Hazardous Combustion Products
Upon combustion: CO and CO₂ are formed.

Protective equipment and precautions for firefighters
Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. Wear self-contained breathing apparatus with full protective clothing.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

General Measures
Isolate from fire, if possible, without unnecessary risk.

Personal Precautions

Environmental Precautions
Avoid release into the environment. Prevent entry to sewers and public waters.

Methods and material for containment and cleaning up

Methods for Clean-Up
This material and its container must be disposed of in a safe way, and as per local legislation.

Method for Containment
Contain release substance, pump into suitable containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling
Keep away from heat, hot surfaces, sparks, open flame, and other ignition sources. No smoking. Keep container tightly closed.

Hygiene Measure
Wash thoroughly after handling. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Technical Measures
Comply with applicable regulations.

Storage Conditions
Keep container closed when not in use.

Incompatible Products
Oxidizing agents.

Prohibitions on Mixed Storage
Keep substance away from: Oxidizing agents.

Storage Area
Meet legal requirements. Store in cool area. Store in well-ventilated place.

Special Rules on Packaging
Meet legal requirements.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Precautions
Use appropriate personal protective equipment when risk assessment indicates this is necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid</td>
<td>Odor</td>
<td>Mint</td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear colorless liquid saturated on towelettes</td>
<td>Odor Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>&gt;95ºF (&gt;35ºC)</td>
<td>Literary Reference</td>
<td></td>
</tr>
</tbody>
</table>
Flash Point
70°F (21°C) Closed cup

Evaporation Rate
Not determined

Flammability (Solid, Gas)
Not determined

Upper Flammability Limits
Not determined

Lower Flammability Limit
Not determined

Vapor Pressure
Not determined

Vapor Density
Not determined

Specific Gravity
0.88g/ml (1=Warter)

Water Solubility
Liquid component is soluble in water

Solubility in other solvents
Not determined

Partition Coefficient
Not determined

Auto ignition Temperature
Not determined

Decomposition Temperature
Not determined

Kinematic Viscosity
Not determined

Property Values Remarks Method
Dynamic Viscosity Not determined
Explosive Properties Not determined
Oxidizing Properties Not determined
VOC Content <75%

10. STABILITY AND REACTIVITY

Reactivity
Upon combustion: CO and CO₂ are formed.

Chemical Stability
No information available.

Possibility of Hazardous Reactions
No information available.

Conditions to Avoid
No information available.

Incompatible Materials
No information available.

Hazardous Decomposition Products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Product Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNDECETH-5</td>
<td>&gt;1400mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>34398-01-1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethanol</td>
<td>10740mg/kg body weight (Rat)</td>
<td>&gt;16000mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>64-17-5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Information on likely routes of exposure

Product Information

Eye Contact
Causes serious eye irritation.

Skin Contact
May cause possible dryness with prolonged contact.

Inhalation
No hazards anticipated under normal use.
Ingestion
May cause gastrointestinal irritation.

**Information on physical, chemical and toxicological effects**

**Symptoms**
Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

- **Carcinogenicity**
  No information available.

- **Germ Cell Mutagenicity**
  No information available.

- **Reproductive Toxicity**
  No information available.

- **Special Target Toxicity (Single Exposure)**
  May cause drowsiness or dizziness.

- **Special Target Toxicity (Repeated Exposure)**
  No information available.

- **Aspiration Hazard**
  No information available.

**Symptoms/injuries after inhalation**
None under normal use.

**Symptoms/injuries after skin contact**
Contact under a long period of time may cause light irritation.

**Symptoms/injuries after eye contact**
Causes serious eye irritation.

**Symptoms/injuries after ingestion**
Gastrointestinal complaints.

---

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**
Toxic to aquatic life. Avoid releasing to the environment.

**Persistence/Degradability**
Readily biodegradable in water. Biodegradable in soil.

**Bioaccumulation**
Low potential of bioaccumulation.

**Mobility**
Highly mobile in soil.

**Other Adverse Effects**
Not determined

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**13. DISPOSAL CONSIDERATIONS**
Waste Treatment Methods

Disposal of Wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not flush wipes.

Contaminated Packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note
This product may be eligible to be shipped as a Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.151

DOT
Consumer Commodity ORM-D

IATA
Not determined

IMDG
Not determined

15. REGULATORY INFORMATION

US Federal Regulations
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substance Control Act (TSCA) inventory.

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>Yes</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

SARA 313
This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR 372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

California Proposition 65
This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity.
## 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td>3</td>
<td>0</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td>3</td>
<td></td>
<td>none</td>
</tr>
</tbody>
</table>

**Issue Date**: 02-Jan-2015  
**Revision Date**: 09-Jul-2015  
**Revision Note**: New format

### 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**