1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name United 396 Tar Remover

Other means of identification
SDS # UNITED-396

Recommended use of the chemical and restrictions on use
Recommended Use Tar Remover
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

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

2. HAZARDS IDENTIFICATION

Appearance Pale amber liquid
Physical State Liquid
Odor Citrus

Classification

<table>
<thead>
<tr>
<th>Asp. Hazard</th>
<th>Category 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Flammable Liquids</td>
<td>Category 3</td>
</tr>
<tr>
<td>Skin Sensation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Serious Eye Damage/Irritation</td>
<td>Category 2A</td>
</tr>
</tbody>
</table>

Hazards Not Otherwise Classified (HNOC)
Very toxic to aquatic life with long lasting effects.

Signal Word
Danger

Hazard Statements
May be fatal if swallowed and enters airways. May be harmful in contact with skin. Flammable liquid and vapor. May cause an allergic skin reaction. May cause serious eye damage.
Precautionary Statements - Prevention
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Precautionary Statements - Response
If exposed or concerned: Get medical advice/attention. If on skin (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If swallowed: Call a poison Center or doctor/physician if you feel unwell. Rinse mouth.
In case of fire: Use CO2, dry chemical, or foam for extinction.

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

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>5989-27-5</td>
<td>60-100</td>
</tr>
<tr>
<td>Ethoxylated Alcohols</td>
<td></td>
<td>0-5</td>
</tr>
<tr>
<td>Isopropylamine Alkylbenzenesulfonic (C-9-17 Br)</td>
<td>68649-00-3</td>
<td>0-5</td>
</tr>
</tbody>
</table>

"*If Chemical Name/CAS No is “proprietary” and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

4. FIRST-AID MEASURES

First Aid Measures

General Advice
If exposed or concerned: Get medical advice/attention.

Eye Contact
Immediately flush with plenty of cool water for at least 15 minutes. Get prompt medical attention.

Skin Contact
Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

Inhalation
Remove to fresh air. If symptoms develop, seek medical attention. If not breathing, give artificial respiration.

Ingestion
Do not induce vomiting. Get medical attention immediately. If vomiting occurs, have victim lean forward to reduce risk of aspiration.

Most important symptoms and effects

Symptoms
May be harmful in contact with skin. May be harmful if swallowed. May cause serious eye damage. Inhalation may cause irritation of the nose, throat, and respiratory tract.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically.
5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical, alcohol foam, or carbon dioxide.

Unsuitable Extinguishing Media  Do not use water except as a mist or foam as it may spread the burning material.

Specific Hazards Arising from the Chemical
Rags soaked with this product may spontaneously ignite; to avoid this danger, used rags should be soaked with water and/or stored in a container full of soapy water.

Hazardous Combustion Products  When strongly heated, as in a fire, this product may produce oxides of carbon.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. All containers should be cooled with water to prevent vapor pressure build up.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions  Use personal protective equipment as required. Product is slippery when spilled.

Environmental Precautions  See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment  Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up  Small spills: Soak up with an inert absorbent and place in designated disposal container. Rinse area thoroughly. Large spills: Remove sources of ignition and ventilate area. Soak up with an inert absorbent and place in designated disposal container. Rinse area thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling  Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Storage Conditions  Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible Materials  Oxidizing agents such as bleach; Strong acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines
Appropriate engineering controls

Engineering Controls  Mechanical ventilation recommended when handling in enclosed, tight spaces.
Individual protection measures, such as personal protective equipment

Eye/Face Protection  Safety glasses or safety goggles are recommended.
Skin and Body Protection  Chemical resistant gloves are recommended.
Respiratory Protection  None required if good ventilation is maintained.

General Hygiene Considerations  Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Pale amber liquid</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Pale amber</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Citrus</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>175 °C / 347 °F</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>47 °C / 115 °F</td>
<td>TCC</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt;1</td>
<td>(BA=1)</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Liquid-Not applicable</td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limit</td>
<td>6.1%</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>0.7%</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>1 mm Hg</td>
<td>(Air=1)</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>4.7</td>
<td>(Water = 1)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.865</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Miscible in water</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>VOC Content</td>
<td>80%</td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity  Not reactive under normal conditions.

Chemical Stability  Stable under recommended storage conditions.

Possibility of Hazardous Reactions  None under normal processing.

Conditions to Avoid  Incompatible Materials. Heat, flames and sparks.
Incompatible Materials
Oxidizing agents such as bleach; Strong acids.

Hazardous Decomposition Products
When strongly heated, as in a fire, this product may produce oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact
Avoid contact with eyes. May cause serious eye damage.

Skin Contact
May be harmful in contact with skin. May cause allergic skin reaction.

Inhalation
Do not inhale.

Ingestion
Harmful if swallowed.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol Ethoxylate</td>
<td>= 1378 mg/kg (Rat)</td>
<td>&gt; 2 g/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>68439-46-3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D-Limonene 5989-27-5</td>
<td>= 4,400 MG/KG (Rat)</td>
<td>&gt; 5,000 mg/kg (Rabbit)</td>
<td>Rat no available data</td>
</tr>
</tbody>
</table>

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
Based on the information provided, this product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC and NTP.

Numerical measures of toxicity
Not determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity
Not determined.

Persistence/Degradability
Not determined.

Bioaccumulation
Not determined.

Mobility
Not determined.

Other Adverse Effects
Not determined.

13. DISPOSAL CONSIDERATIONS
Waste Treatment Methods

**Disposal of Wastes**  
Disposal should be in accordance with applicable regional, national and local laws and regulations.

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

### 14. TRANSPORT INFORMATION

**Note**  
According to 49 CFR §173.150(f)(1), this material should be reclassified as "NA1993, Combustible Liquid, N.O.S." if it is shipped in bulk.

**DOT**  
Not Regulated

**IATA**

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN2319</td>
<td>Terpene hydrocarbons, N.O.S., (contain: Limonene mixture)</td>
<td>3</td>
<td>III</td>
</tr>
</tbody>
</table>

**IMDG**

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN2319</td>
<td>Terpene hydrocarbons, N.O.S., (contain: Limonene mixture)</td>
<td>3</td>
<td>III</td>
</tr>
</tbody>
</table>

This material may meet the definition of a marine pollutant.

### 15. REGULATORY INFORMATION

#### International Inventories

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-limonene 5989-27-5</td>
<td></td>
<td></td>
<td></td>
<td>Present</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Legend:
- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- **EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- **ENCS** - Japan Existing and New Chemical Substances
- **IECSC** - China Inventory of Existing Chemical Substances
- **KECL** - Korean Existing and Evaluated Chemical Substances
- **PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- **AICS** - Australian Inventory of Chemical Substances

#### US Federal Regulations

**CERCLA**
Not listed.

**SARA 313**
Section 313 of Title III of Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations Part 372.

**CWA (Clean Water Act)**
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)
US State Regulations

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

U.S. State Right-to-Know Regulations
Not listed.

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</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></td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

Issue Date: 18-Mar-2015
Revision Date: 09-Oct-2018
Revision Note: Revisions

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