1. IDENTIFICATION

Product Identifier
Product Name Citrus 90 D-L

Other Means of Identification
Product Code 064000

Recommended use of the Chemical and Restrictions on Use
Recommended Use Degreaser cleaner concentrate. For industrial use.

Details of the Supplier of the Safety Data Sheet
Midlab, Inc.
140 Private Brand Way
Athens, TN 37303

Emergency Telephone Number
Company Phone Number Phone: 1-423-337-3180
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Orange Physical State Liquid Odor Citrus

Classification

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable Liquids</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

Hazards Not Otherwise Classified (HNOC)
May be harmful if swallowed.
May be harmful in contact with skin.

Signal Word
Danger

Hazard Statements
Causes skin irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.
May be fatal if swallowed and enters airways.
Flammable liquid and vapor.
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.
Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep container tightly closed and away from heat/sparks/open flames/hot surfaces. — No smoking.
Ground/bond container and receiving equipment, taking precautionary measures against static discharge.
Use only non-sparking tools and explosion-proof equipment.

Precautionary Statements - Response
If exposed or concerned: Get medical advice/attention.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Do not induce vomiting.
IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction.

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

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

Other Hazards
Very toxic to aquatic life with long lasting effects.

Unknown Acute Toxicity
5% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixture of Terpene Hydrocarbons</td>
<td>5989-27-5</td>
<td>60-100</td>
</tr>
<tr>
<td>Nonylphenoxypolyethoxyethanol</td>
<td>68412-54-4</td>
<td>3-7</td>
</tr>
<tr>
<td>Cocamide Dea</td>
<td>68603-42-9</td>
<td>3-7</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
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Skin Contact
Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Inhalation
Remove to fresh air. If not breathing, give artificial respiration. Get medical attention if necessary.

Ingestion
Rinse mouth. Drink plenty of water. Call a physician or poison control center immediately.

Most Important Symptoms and Effects

Symptoms
Possible blistering and lesions of skin.
Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water spray (fog). Carbon dioxide (CO2). Dry chemical. Foam.

Unsuitable Extinguishing Media
Not determined.

Specific Hazards Arising from the Chemical
None known.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions
Use personal protection recommended in Section 8.

Environmental Precautions
Avoid release to the environment.

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
Collect in a clean, dry waste container for disposal. Dispose of in accordance with federal, state and local regulations. Use a water rinse for final clean up.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protection recommended in Section 8. Wash thoroughly after handling. Avoid breathing vapors or mists. Contaminated work clothing should not be allowed out of the workplace. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice.

Conditions for Safe Storage, including any Incompatibilities

Storage Conditions
Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Protect from freezing.

Incompatible Materials
None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines
No exposure limits noted for ingredient(s).

Appropriate Engineering Controls

Engineering Controls
General ventilation sufficient.
Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection  No protective equipment is needed under normal use conditions.
Skin and Body Protection No protective equipment is needed under normal use conditions.
Respiratory Protection No protective equipment is needed under normal use conditions.

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>Clear</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Orange</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>
<tr>
<td>pH</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>&lt; 0 °C / &lt;32 °F</td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>Not established</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>48.9 °C / 120 °F</td>
<td>CC (closed cup)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>n/a-liquid</td>
<td></td>
</tr>
<tr>
<td>Upper Flammability Limits</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Lower Flammability Limit</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.86</td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble 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>
</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
None known.

Hazardous Decomposition Products
When exposed to fire, produces normal products of combustion.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure
Product Information

Eye Contact  Avoid contact with eyes.

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

Inhalation  Avoid breathing vapors or mists.

Ingestion  May be 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>Mixture of Terpene Hydrocarbons</td>
<td>4400 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>5989-27-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonylphenoxypolyethoxyethanol</td>
<td>3310 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>68412-54-4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cocamide Dea</td>
<td>12400 µL/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>68603-42-9</td>
<td></td>
<td></td>
<td></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  The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixture of Terpene Hydrocarbons</td>
<td></td>
<td>Group 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5989-27-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cocamide Dea</td>
<td></td>
<td>Group 2B</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>68603-42-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Legend

IARC (International Agency for Research on Cancer)
Group 2B - Possibly Carcinogenic to Humans
Group 3 IARC components are “not classifiable as human carcinogens”
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Aspiration Hazard  May be fatal if swallowed and enters airways.

Numerical Measures of Toxicity  Not determined

Unknown Acute Toxicity  5% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity  Very toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixture of Terpene Hydrocarbons</td>
<td>-</td>
<td>0.619 - 0.796: 96 h Pimephales promelas mg/L LC50 flow-through 35: 96 h Oncorhynchus mykiss mg/L LC50</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>5989-27-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonylphenoxypolyethoxyethanol</td>
<td>-</td>
<td>404-706 mg/L</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>68412-54-4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cocamide Dea</td>
<td>-</td>
<td>3.6: 96 h Brachydano rerio mg/L LC50 semi-static</td>
<td>-</td>
<td>4.2: 24 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>68603-42-9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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.

California Hazardous Waste Status

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixture of Terpene Hydrocarbons 5989-27-5</td>
<td>Toxic</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

Note
DOT
Not regulated.

IATA
Not regulated

IMDG
Marine Pollutant
This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

NOT FOR SALE IN CALIFORNIA

International Inventories
Not determined

US Federal Regulations

SARA 311/312 Hazard Categories

Acute Health Hazard
Yes

SARA 313
Not determined

US State Regulations

U.S. State Right to Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>State List</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>AZ</td>
<td>Arizona Ambient Air Quality Guidelines</td>
</tr>
<tr>
<td>CT</td>
<td>Connecticut Hazardous Air Pollutants</td>
</tr>
<tr>
<td>CA</td>
<td>California Director's List of Hazardous Substances</td>
</tr>
<tr>
<td>CAP65</td>
<td>California Prop 65</td>
</tr>
<tr>
<td>FL</td>
<td>Florida Substances List</td>
</tr>
<tr>
<td>ID</td>
<td>Idaho Non-Carcinogen Toxic Air Pollutants</td>
</tr>
<tr>
<td>IL</td>
<td>Illinois Toxic Air Contaminates-Carcinogenic</td>
</tr>
<tr>
<td>MA</td>
<td>Massachusetts Right to Know List</td>
</tr>
<tr>
<td>MN</td>
<td>Minnesota Hazardous Substances List</td>
</tr>
<tr>
<td>NJ</td>
<td>New Jersey Right to Know List</td>
</tr>
<tr>
<td>PA</td>
<td>Pennsylvania Right to Know List</td>
</tr>
<tr>
<td>RI</td>
<td>Rhode Island Hazardous Substances List</td>
</tr>
<tr>
<td>CA</td>
<td>California Director's List of Hazardous Substances</td>
</tr>
<tr>
<td>MA</td>
<td>Massachusetts Right to Know List</td>
</tr>
<tr>
<td>MN</td>
<td>Minnesota Hazardous Substances List</td>
</tr>
<tr>
<td>NJ</td>
<td>New Jersey Right to Know List</td>
</tr>
<tr>
<td>PA</td>
<td>Pennsylvania Right to Know List</td>
</tr>
<tr>
<td>RI</td>
<td>Rhode Island Hazardous Substances List</td>
</tr>
</tbody>
</table>

### 16. OTHER INFORMATION

**NFPA**
- **Health Hazards**: Not determined
- **Flammability**: Not determined
- **Instability**: Not determined
- **Special Hazards**: Not determined

**HMIS**
- **Health Hazards**: 2
- **Flammability**: 2
- **Physical Hazards**: 0
- **Personal Protection**: Not determined

**Issue Date:** 08-Aug-2011  
**Revision Date:** 26-Jan-2014  
**Revision Note:** New format Version 1.0

**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 a 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.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

*Denotes changes from last version.

**End of Safety Data Sheet**