This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

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Section I - Product & Company Identification

Product identifier
Product name: CITRALL
Product form: Liquid
Other means of identification: 0130

Relevant identified uses of the substance or mixture: Degreaser, Cleaner

Details of the supplier of the safety data sheet
Manufacturer:
Diversified Chemical Products, Inc. 4124 B NW Riverside Street, Riverside, MO 64150
Phone: 816-472-5515

Emergency telephone number
Emergency number: CHEMTREC: 1-800-424-9300

Section II – Hazards Identification

Classification
Skin irritation Category 2
Serious eye damage/irritation Category 2A
Skin sensitization Category 1
Carcinogen Category 2
Acute aquatic toxicity Category 2

Pictogram

Signal Word
Danger

Hazard Statements
Causes skin irritation
Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.
Toxic to aquatic life.

Precautionary Statements – Prevention
Obtain special instructions before use. Do not handle until all safety precautions are read and understood.
Avoid breathing dust/fume/gas/mist.
Use only in a well ventilated area.
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection
Avoid release to the environment.

**Precautionary Statements – Response**
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs
IF ON SKIN: Wash with plenty of soap and water. If irritation occurs get medical attention. Take off contaminated clothing and wash before reuse. If irritation occurs, get medical attention.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.. Do not induce vomiting.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell.
If exposed or concerned: Get medical advice/attention.

**Precautionary Statements - Storage**
Store locked up.

**Precautionary Statements - Disposal**
Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

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### Section III –Composition/Information on ingredients

<table>
<thead>
<tr>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
</tr>
<tr>
<td>D-Limonene</td>
</tr>
<tr>
<td>Benzenesulfonic acid, C10-16-alkyl derivs, compds . with 2-propanamine</td>
</tr>
<tr>
<td>Cocoamide DEA</td>
</tr>
<tr>
<td>Diethanolamine</td>
</tr>
<tr>
<td>Sodium octanesulfonate</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to process variation.

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### Section IV – First Aid Measures

**First Aid Measures**

**Inhalation:** Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
**Ingestion:** Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.

**Skin Contact:** Remove contaminated clothing, wash skin with plenty of water. If skin irritation persists, call a physician.

**Most Important Symptoms and Effects, both Acute and Delayed**

**Symptoms**
May cause skin irritation and serious eye irritation with reddening and watering.

**Indication of any Immediate Medical Attention and Special Treatment Needed**

**Note to Physicians:** Treat symptomatically.

**Section V – Fire Fighting Measures**

**Suitable Extinguishing Media**
Water spray, alcohol resistant foam, dry chemical or carbon dioxide.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**
Carbon oxides

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

**Section VI – Accidental Release Measures**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions** Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe area.

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment:** Prevent further leakage or spillage if safe to do so by containing with inert absorbent. Avoid releasing to the environment.

**Methods for Cleaning Up:** Collect liquid in a sealable container. Sprinkle inert absorbent compound onto spill, then sweep into a container. Keep in suitable, closed containers for disposal.
Section VII – Handling & Storage

Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

Conditions for Safe Storage, Including any Incompatibilities

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

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>5989-27-5</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Benzenesulfonic acid, C10-16-alkyl derivs, compds . with 2-propanamine</td>
<td>68584-24-7</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Cocoamide DEA</td>
<td>68603-42-9</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>No data available</td>
<td>1 mg/m³</td>
<td>15 mg/m³</td>
</tr>
<tr>
<td>Sodium octanesulfonate</td>
<td>5324-84-5</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Controls: Provide adequate ventilation, eyewash stations.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear approved safety goggles/ face shield where a splash hazard exists.
Skin and Body Protection: Wear suitable protective clothing.
Respiratory Protection: Ensure adequate ventilation, especially in confined areas.
General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

Section IX – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Colorless</td>
</tr>
<tr>
<td>pH</td>
<td>9.5-10.25</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>No data available</td>
</tr>
</tbody>
</table>
Boiling Point/Boiling Range: No data available
Flash Point: > 100 °C (212 °F)
Evaporation Rate: No data available
Flammability (Solid, Gas): n/a-liquid
Upper Flammable Limits: No data available
Lower Flammable Limits: No data available
Vapor Pressure: No data available
Vapor Density: No data available
Specific Gravity: 0.94
Water Solubility: Soluble
Solubility in Other Solvents: No data available
Partition Coefficient: No data available
Autoignition Temperature: No data available
Decomposition Temperature: No data available
Kinematic Viscosity: No data available
Dynamic Viscosity: No data available
Explosive Properties: Not an Explosive
Oxidizing Properties: No data available
Odor: Citrus
Odor Threshold: No data available

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**Section X – Stability & Reactivity**

**Reactivity**
No data available.

**Chemical Stability**
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
No hazardous polymerization.

**Conditions to Avoid**
Sources of ignition, extreme heat..

**Incompatible Materials** Oxidizing agents, strong acids

**Hazardous Decomposition Products**
Carbon dioxide, carbon monoxide, acrid smoke.

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**Section XI - Toxicological Information**

**Information on Likely Routes of Exposure**

**Product Information**

**Inhalation:** Avoid breathing vapors or mists.
**Eye Contact:** Causes serious eye irritation.
**Skin Contact:** Causes skin irritation, dry skin, redness..
**Ingestion:** Harmful if swallowed.
This product as a whole has not been tested for acute toxicity; the following is based on component data:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>5989-27-5</td>
<td>&gt;5,000 mg/kg(Rat)</td>
<td>&gt;5,000 mg/kg(Rabbit)</td>
<td>No data available</td>
</tr>
<tr>
<td>Benzenesulfonic acid, C10-16-alkyl derivs, compds. with 2-propanamine</td>
<td>68584-24-7</td>
<td>5,000 mg/kg(Rat)</td>
<td>10200 mg/kg (Rabbit) 2000 mg/kg (Rat)</td>
<td>No data available</td>
</tr>
<tr>
<td>Cocoamide DEA/Diethanolamine</td>
<td>68603-42-9, 111-42-2</td>
<td>No data available</td>
<td>&gt;2 g/kg (Rabbit)</td>
<td>No data available</td>
</tr>
<tr>
<td>Sodium octanesulfonate</td>
<td>5324-84-5</td>
<td>&gt;5,000 mg/kg(Rat)</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>D-Limonene</th>
<th>Benzenesulfonic acid, C10-16-alkyl derivs, compds. with 2-propanamine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Moderate irritation</td>
<td>Moderate irritation</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>No data available</td>
<td>Moderate irritation</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Sensitizer when oxidized</td>
<td>Not a sensitizer</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified as carcinogen</td>
<td>Not classified as carcinogen</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific target organ toxicity-Single exposure</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Specific target organ toxicity-repeated exposure</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Aspiration hazard</td>
<td>No data available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Cocoamide DEA/Diethanolamine</th>
<th>Sodium octanesulfonate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Causes irritation</td>
<td>Causes irritation</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Causes serious eye damage.</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>No data available</td>
<td>Not expected to cause.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Suspected of causing cancer</td>
<td>Not a carcinogen</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not expected to cause.</td>
<td>Not expected to cause.</td>
</tr>
<tr>
<td>Specific target organ toxicity-Single exposure</td>
<td>No data available</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity-repeated exposure</td>
<td>No data available</td>
<td>Not classified</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>No data available</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: This product does contain carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity: Not determined

Section XII - Ecological information

Ecotoxicity
There is no data available for this product as a whole.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>67-63-0</td>
<td>No data available</td>
<td>LC50 - Pimephales promelas (fathead minnow) 0.702 mg/l - 96 h</td>
<td>EC50 - Daphnia pulex (Water flea) – 69.6 mg/l 48 h</td>
</tr>
<tr>
<td>Benzenesulfonic acid, C10-16- alkyl derivs, compds . with 2-propanamine</td>
<td>111-76-2</td>
<td>Harmful to aquatic organisms</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cocoamide DEA/ Diethanolamine</td>
<td>68603-42-9</td>
<td>&lt; 10 mg/l, 72 h</td>
<td>&lt; 10 mg/l, 96 h</td>
<td>&lt; 10 mg/l, 48 h</td>
</tr>
<tr>
<td>Sodium octanesulfonate</td>
<td>5324-84-5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Persistence and Degradability
No data available

Bioaccumulation
No data available

Mobility
No data available

Section XIII - Disposal considerations

Waste Disposal Method
Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

Section XIV - Transport information

DOT Proper Shipping Description:
Bulk & Non-Bulk: UN3082, Environmentally hazardous substances, liquid,(Diethanolamine, alkylbenzene Sulfonate), 9, PG III
Section XV - Regulatory information

SARA Title III Section 311/312 (40CFR370): Acute, chronic health hazard
SARA Title III Section 313 (40CFR372): Diethanolamine
RCRA Status (40CFR261.33): No reportable components.
TSCA Inventory Status: Reported/included
OSHA/NTP/IARC Carcinogen Status: listed
Canadian DSL Status: Reported/included

Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:
This material is known to contain any chemicals currently listed as carcinogens or reproductive toxins. Cocoamide DEA, Diethanolamine.

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Benzenesulfonic acid, C10-16-alkyl derivs, compds . with 2-propanamine</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>Cocoamide DEA/ Diethanolamine</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Sodium octanesulfonate</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

Section XVI - Other information

HMIS ratings:  
Health: 3
Flammability: 0
Reactivity: 0

Indication of changes: Revision – 1
Date Sheet Prepared: 01/18/2016
Other information: Author – EHS Administrator

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The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty’s, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

END OF SDS