Section I - Product & Company Identification

Product identifier
Product name: 160 DETERGENT
Product form: Liquid
Other means of identification: LB004

Relevant identified uses of the substance or mixture: Neutral 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
Serious Eye Damage/Eye Irritation Category 2A
Skin corrosion/irritation Category 3

Pictogram

Signal Word
Warning

Hazard Statements
Causes skin irritation
Causes serious eye irritation

Precautionary Statements - Prevention
Do not handle until all safety precautions have been read and understood.
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

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 SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth
Take off contaminated clothing and wash before reuse

Precautionary Statements - Disposal
Dispose of contents/container in accordance with local, State and Federal regulations.

Section III –Composition/Information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cocoamide DEA</td>
<td>(CAS No) 68603-42-9</td>
<td>1-5</td>
</tr>
<tr>
<td>Diethanolamine</td>
<td>(CAS No) 111-42-2</td>
<td>0.1-1</td>
</tr>
<tr>
<td>Alkanolamide blend</td>
<td>(CAS No) Confidential</td>
<td>1-5</td>
</tr>
</tbody>
</table>

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

Section IV – First Aid Measures

First Aid Measures

Inhalation: Move to fresh air. 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: Wash with plenty of water. If skin irritation persists, call a physician.

Most Important Symptoms and Effects, both Acute and Delayed Symptoms
May cause eye irritation with stinging, tearing, redness, swelling and blurred vision. May cause skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically.

Section V – Fire Fighting Measures

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical
Non-flammable.

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.

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

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

**Methods for Cleaning Up:** 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.

**Incompatible Materials:** Strong acids.

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 IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cocoamide DEA</td>
<td>68603-42-9</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>1 mg/m3</td>
<td>No data available</td>
<td>1 mg/m3</td>
</tr>
<tr>
<td>Alkanolamide blend</td>
<td>Confidential</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</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 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>Amber</td>
</tr>
<tr>
<td>pH</td>
<td>8.0-8.5</td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>0 °C Water</td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>100 °C Water</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not Flammable</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&lt; 1 Water</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>n/a-liquid</td>
</tr>
<tr>
<td>Upper Flammable Limits</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Lower Flammable Limits</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>&lt; 1 Water</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.035</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble in Water</td>
</tr>
<tr>
<td>Solubility in Other Solvents</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not an Explosive</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Odor</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

Section X – Stability & 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
Keep out of reach of children.

Incompatible Materials
Strong acids.

Hazardous Decomposition Products
None known based on information supplied
Section XI - Toxicological information

Information on Likely Routes of Exposure

Product Information

Inhalation: Minimal adverse effects due to inhalation are expected.

Eye Contact: Causes serious eye irritation

Skin Contact: Causes skin irritation.

Ingestion: Expected to be a low ingestion hazard.

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>Cocoamide DEA</td>
<td>68603-42-9</td>
<td>&gt;5 g/kg (rat)</td>
<td>&gt;2 g/kg (rabbit)</td>
<td>No data available</td>
</tr>
<tr>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>710 mg/kg (rat)</td>
<td>12,200 mg/kg (rabbit)</td>
<td>No data available</td>
</tr>
<tr>
<td>Alkanolamide blend</td>
<td>Confidential</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</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: Suspected of causing cancer.

Numerical Measures of Toxicity: Not determined

Section XII - Ecological information

Ecotoxicity

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

Components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Aquatic invertebrates</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cocoamide DEA</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>
<td>No data available</td>
</tr>
<tr>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>1,460 mg/l, 96 h</td>
<td>55 mg/l, 48 h</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Alkanolamide blend</td>
<td>Confidential</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Persistence and Degradability

Readily biodegradable

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:**
Not Regulated as a dangerous goods.

Section XV - Regulatory information

**SARA Title III Section 311/312 (40CFR370):** Acute Hazard, Chronic hazard
**SARA Title III Section 313 (40CFR372):** One reportable component.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Weight %</th>
<th>SARA 313-Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>0.5-1</td>
<td>0.1</td>
</tr>
</tbody>
</table>

**RCRA Status (40CFR261.33):** No reportable components.
**TSCA Inventory Status:** Reported/included
**OSHA/NTP/IARC Carcinogen Status:** Suspected
**Canadian DSL Status:** Reported/included

**Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity:**
This material contains a chemical currently listed as carcinogenic or reproductive toxin.

**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>Diethanolamine</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

Section XVI - Other information

**HMIS ratings:**
Health: 2  Flammability: 0  Reactivity: 0
Indication of changes:  Revision – 1
Date Sheet Prepared: 07/22/2015  Other information: Author – EHS Administrator

******************************************************************************
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.
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END OF SDS