### 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Name</td>
</tr>
<tr>
<td>Other Means of Identification</td>
</tr>
<tr>
<td>SDS #</td>
</tr>
<tr>
<td>Product Code</td>
</tr>
</tbody>
</table>

**Recommended Use of the Chemical and Restrictions on Use**

- **Recommended Use**: Cleaning Agent.

**Details of the Supplier of the Safety Data Sheet**

- **Supplier Address**: Certol International, LLC.  
  6120 East 58th Avenue  
  Commerce City, Colorado 80022  
  [www.Certol.com](http://www.Certol.com)

**Emergency Telephone Number**

- **Company Phone Number(s)**:
  - Phone: 303-799-9401  
  - Toll-Free: 1-800-843-3343  
  - Fax: 303-799-9408

- **24 Hour Emergency Telephone**
  - INFOTRAC: 1-800-535-5053 (North America)  
  - INFOTRAC: 1-352-323-3500 (International)

### 2. HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category 2B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Causes eye irritation.</td>
<td></td>
</tr>
</tbody>
</table>

**Signal Word**: Warning.

**Hazard Statements**: Causes eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Appearance**: Clear Viscous Liquid.

**Physical State**: Liquid.

**Odor**: Fresh.
Precautionary Statements-Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Control Center or doctor/physician.

IF SWALLOWED: Immediately call a Poison Control Center or doctor/physician. Rinse mouth.

IF EXPOSED: Call a Poison Control Center or doctor/physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.

IF SKIN IRRITATION OR RASH OCCUR: Get medical advice/attention. Call a Poison Control Center or doctor/physician if you feel unwell.

Precautionary Statements - Storage

Store in a closed container, in a cool, dry well-ventilated place away from incompatible materials. Do not store above 86°F (30°C).

Keep out of the reach of children and pets.

Precautionary Statements - Disposal

Dispose according to all local, state and federal regulations.

Hazards not otherwise classified (HNOC)

Causes mild skin irritation.

Other Information

Toxic to aquatic life.
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtilisin (Protease)</td>
<td>9014-01-1</td>
<td>*</td>
</tr>
<tr>
<td>Cocamidopropyl Betaine</td>
<td>61789-40-0</td>
<td>*</td>
</tr>
</tbody>
</table>

*The exact percentage is a trade secret.

4. FIRST AID MEASURES

First Aid Measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a physician or Poison Control Center immediately.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call physician immediately.

Ingestion Rinse mouth. Drink large amounts of water. Never give anything by mouth to a person who is unconscious or convulsing. Call a physician or Poison Control Center immediately.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Call a physician if you feel unwell.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms Skin contact can lead to drying, itching, stinging and irritation. Exposed individuals may experience eye tearing, redness and discomfort.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Use water, CO₂, dry chemical or foam for extinction.

Unsuitable Extinguishing Media Not Determined.

Specific Hazards Arising from the Chemical Not Determined.

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 protective equipment as required.

For Emergency Responders
Restrict access to spill area. Ventilate the area.

Environmental Precautions
Prevent entry into waterways, sewers, basements or confined areas.
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 Cleaning Up
Flush small spills with water. Dike to collect large liquid spills.

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.
Do not eat, drink or smoke when using this product.
Use only in well-ventilated areas.
Do not breathe dust/fumes/gas/mist/vapors/spray.
Do not store above 86°F (30°C).

Keep out of the reach of children and pets.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions
Store in a closed container in a dry, cool and well-ventilated place away from incompatible materials.
Do not store above 86°F (30°C).

Keep out of the reach of children and pets.

Incompatible Materials
Avoid contact with strong acids, oxidizers and alkalis.
### 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 Viscous Liquid</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Fresh</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>7.5 - 8.8</td>
<td>68°F (20°C)</td>
</tr>
<tr>
<td>Melting Point / Freezing Point</td>
<td>&lt; 23°F / &lt; -5°C</td>
<td></td>
</tr>
<tr>
<td>Boiling Point / Boiling Range</td>
<td>212°F / 100°C</td>
<td>(Approximate)</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not Flammable</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>&gt; 1</td>
<td>(Butyl acetate = 1) (Approximate)</td>
</tr>
<tr>
<td>Flammability (Solid/Gas)</td>
<td>N/A-Liquid</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits In Air</td>
<td>Not Flammable</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not Determined</td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>&lt; 1</td>
<td>(Air = 1) (Approximate)</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.04 - 1.06 g/cc</td>
<td>68°F (20°C) (Water = 1)</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Completely Soluble</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>See Section 12</td>
<td></td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>Not Flammable</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 Explosive</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.

Hazardous Polymerization
Hazardous polymerization will not occur.

Conditions to Avoid
None under normal processing.

Incompatible Materials
Avoid contact with strong acids, oxidizers and alkalis.

Hazardous Decomposition Products
None known.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation
Avoid breathing vapors or mists.

Eye Contact
Causes eye irritation.

Skin Contact
Causes mild skin irritation.

Ingestion
Do not taste or swallow.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD₅₀ (Rat)</th>
<th>Dermal LD₅₀ (Rat)</th>
<th>Inhalation LC₅₀</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polethylene Glycol 25322-68-3</td>
<td>28 g/kg</td>
<td>20 g/kg</td>
<td>N/A</td>
</tr>
<tr>
<td>Cocamidopropyl Betaine 61789-40-0</td>
<td>4900 mg/kg</td>
<td>N/A</td>
<td>N/A</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

Sensitization
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT - Single Exposure
Not Determined.

STOT - repeated exposure
Not Determined.
11. TOXICOLOGICAL INFORMATION (continued)

Numerical Measures of Toxicity
Not Determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic organisms.

<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>Poethylene Glycol 25322-68-3</td>
<td>No Information</td>
<td>Known Toxin</td>
<td>No Information</td>
<td>Known Toxin</td>
</tr>
<tr>
<td>Cocamidopropyl Betaine 61789-40-0</td>
<td>Known Toxin</td>
<td>Known Toxin</td>
<td>No Information</td>
<td>Known Toxin</td>
</tr>
</tbody>
</table>

Persistence and Degradability
Not Determined.

Bioaccumulation
Not Determined.

Mobility
Not Determined.

Other Adverse Effects
Not Determined.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes
Dispose according to all local, state and federal regulations.

Contaminated Packaging
Dispose according to all local, state and federal regulations.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Borax 1303-96-4</td>
<td>Toxic</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

Note
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT
Not Regulated.

IATA
Not Regulated.

IMDG
Not Regulated.
15. REGULATORY INFORMATION

**International Inventories**

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

**US Federal Regulations**

**SARA 313**

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III. Section 313.

**SARA 311/312 Hazard Categories**

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III. Section 311/312.

**US State Regulations**

**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>Borax 1303-96-4</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

**NFPA**

- **Health Hazards**: 1
- **Flammability**: 0
- **Instability**: 0
- **Special Hazards**: Not Determined.

**HMIS**

- **Health Hazards**: Not Determined.
- **Flammability**: Not Determined.
- **Physical Hazards**: Not Determined.
- **Personal Protection**: Not Determined.

**Issue Date**

September 2012

**Revision Date**

July 2013

**Revision Note**

New format

**Disclaimer**

The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

End of Safety Data Sheet