

**Issue Date** July 2007

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**Version** 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

**Product Name** ProClense™

### Other Means of Identification

**SDS #** PCI/SDS/01

### Product Code

ICL & PCI

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

**Recommended Use** Alkaline Instrument Detergent For Manual Use.

### 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

### Classification

Skin Corrosion / Irritation	Category 2
Serious Eye Damage / Eye Irritation	Category 2A

### Signal Word

Warning.

### Hazard Statements

Causes skin irritation.  
Causes eye irritation.

### Appearance

Fluorescent, Yellow Liquid.

### Physical State

Liquid.

## 2. HAZARDS IDENTIFICATION (continued)

**Odor** Pleasant.



### **Precautionary Statements-Prevention**

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.

### **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 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.

### **Precautionary Statements - Storage**

Keep container tightly closed and store in a dry, cool and well-ventilated place away from incompatible materials.

**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)**

May be harmful if swallowed.

### **Other Information**

Toxic to aquatic life.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Sodium Hydroxide	1310-73-2	*
Triethanolamine	102-71-6	*

\*The exact percentage is a trade secret.

## 4. FIRST AID MEASURES

### First Aid Measures

<b>Inhalation</b>	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.
<b>Eye Contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call physician immediately.
<b>Ingestion</b>	Rinse mouth. Drink large amounts of water. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Call a physician or Poison Control Center immediately.
<b>Skin Contact</b>	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

<b>Symptoms</b>	Causes skin irritation. Ingestion may causes nausea. Inhalation may cause mild respiratory irritation. Causes eye irritation.
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### Indication of any Immediate Medical Attention and Special Treatment Needed

<b>Note to Physicians</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Use water, CO<sub>2</sub>, dry chemical or foam for extinction.

### 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 protective equipment as required. The wet contaminated surface may be slippery.

#### 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

Absorb with inert material. Shovel or sweep spills. Flush remainder with plenty of water.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

#### Advice on Safe Handling

Do not handle until all safety precautions have been read and understood.  
Use personal protection recommended in Section 8.  
Wash thoroughly after handling.  
**Keep out of the reach of children and pets.**

### Conditions for Safe Storage, Including any Incompatibilities

#### Storage Conditions

Keep container tightly closed and store in a dry, cool and well-ventilated place away from incompatible materials.  
**Keep out of the reach of children and pets.**

#### Incompatible Materials

None known.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide 1310-73-3	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup> (Vacated)	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>
Triethanolamine 102-71-6	TWA: 5 mg/m <sup>3</sup>	N/A	N/A

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION (continued)

### Appropriate Engineering Controls

#### Engineering Controls

Apply technical measures to comply with the occupational exposure limits.  
Eyewash stations.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/Face Protection

Wear goggle or a face protection shield.

#### Skin and Body Protection

Chemical resistant, impermeable gloves.  
No special clothing is required.

#### Respiratory Protection

Under normal conditions a respirator is not normally required.  
A mask or respirator may be used if vapor concentration is high.

#### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practices.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

<b>Physical State</b>	Liquid.	
<b>Appearance</b>	Fluorescent, Yellow Liquid.	
<b>Color</b>	Fluorescent Yellow.	
<b>Odor</b>	Pleasant.	
<b>Property</b>	<b>Values</b>	<b>Remarks * Method</b>
<b>pH</b>	12.5 - 13.5	68°F (20°C)
<b>Melting Point / Freezing Point</b>	< 32°F / < 0°C	
<b>Boiling Point / Boiling Range</b>	> 185°F / > 85°C	(Approximate)
<b>Flash Point</b>	Not Flammable.	
<b>Evaporation Rate</b>	< 1	(Butyl acetate = 1) (Approximate)
<b>Flammability (Solid/Gas)</b>	N/A-Liquid.	
<b>Flammability Limits In Air</b>	Not Flammable.	
<b>Vapor Pressure</b>	Not Determined.	(Approximate) @ 68°F (20°C)
<b>Vapor Density</b>	< 1	(Air = 1) (Approximate)
<b>Specific Gravity</b>	1.023	68°F (20°C) (Water = 1)
<b>Water Solubility</b>	Completely Soluble.	
<b>Partition Coefficient</b>	Not Determined.	
<b>Autoignition Temperature</b>	Not Determined.	
<b>Decomposition Temperature</b>	Not Determined.	
<b>Kinematic Viscosity</b>	Not Determined.	
<b>Dynamic Viscosity</b>	Not Determined.	
<b>Explosive Properties</b>	Not Determined.	
<b>Oxidizing Properties</b>	Not Determined.	

## 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

None known.

### Hazardous Decomposition Products

None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

**Inhalation** Avoid breathing vapors and mists.

**Eye Contact** May cause eye irritation.

**Skin Contact** May cause skin irritation.

**Ingestion** Do not taste or swallow.

#### Component Information

Chemical Name	Oral LD <sub>50</sub>	Dermal LD <sub>50</sub>	Inhalation LC <sub>50</sub>
Sodium Hydroxide 1310-73-2	N/A	1350 mg/kg ( Rabbit )	N/A
Triethanolamine 102-71-6	4190 mg/kg ( Rat )	16 mg/kg ( Rat )	N/A

### Information on Physical, Chemical and Toxicological Effects

**Symptoms** Please see section 4 of this SDS for symptoms.

## 11. TOXICOLOGICAL INFORMATION (continued)

### 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.

Chemical Name	ACGIH	IARC	NTP	OSHA
Triethanolamine 102-71-6	N/A	Group 3	N/A	N/A

**IARC (International Agency for Research on Cancer)**  
Group 3 - Not Carcinogenic to Humans.

### 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.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Hydroxide 1310-73-2	No Information	Known Toxin	No Information	No Information
Triethanolamine 102-71-6	Known Toxin	Known Toxin	No Information	Known Toxin

### **Persistence and Degradability**

Not Determined.

### **Bioaccumulation**

Not Determined.

### **Mobility**

Not Determined.

Chemical Name	Partition Coefficient
Triethanolamine 102-71-6	-1.00

### **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.

<b>Chemical Name</b>	<b>California Hazardous Waste Status</b>
Sodium Hydroxide 1310-73-2	Toxic / Corrosive

### 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

Not Determined.

#### **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.

### CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium Hydroxide 1310-73-2	1000 lb.	N/A	N/A	X

### CERCLA

Chemical Name	Hazardous Substance RQs	CERCLA / SARA RQ	Reportable Quantity (RQ)
Sodium Hydroxide 1310-73-2	1000 lb.	N/A	RQ 1000 lb. final RQ RQ 454 kg final RQ

### US State Regulations

#### U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium Hydroxide 1310-73-2	X	X	X
Triethanolamine 102-71-6	X	X	X

## 16. OTHER INFORMATION

### NFPA

<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
1	0	0	Not Determined.

### HMIS

<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
Not Determined.	Not Determined.	Not Determined.	Not Determined.

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**Revision Note** New format.

### Disclaimer

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End of Safety Data Sheet