

**Issue Date** February 2014

**Revision Date** April 2014

**Version** 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name** ProClense plus SCD™

**Other Means of Identification**

**SDS #** PCPSCD/SDS/I02

**Product Code**

PCPSCD

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

**Recommended Use** Super Concentrate 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

**Classification**

Serious Eye Damage / Eye Irritation	Category 1
Skin Corrosion / Irritation	Category 1A

**Signal Word**

Danger.

**Hazard Statements**

Causes severe skin burns and eye damage.

**Appearance**

Clear to Yellow Liquid.

**Physical State**

Liquid.

**Odor**

No specific odor.

## 2. HAZARDS IDENTIFICATION (continued)



### Precautionary Statements-Prevention

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves, protective clothing, eye protection and face protection.  
Wash face, hands and any exposed skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Use only in a well-ventilated area.  
Contaminated work clothing should not be allowed out of the workplace.  
Do not breathe dust/fumes/gas/mist/vapors/spray.  
Keep container tightly closed.

### 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	5 - 18
Potassium Hydroxide	1310-58-3	1 - 7

### 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>	Burning and/or irritation to the eyes and skin. Irritation and corrosive burns to the mouth, throat and stomach. May cause corneal burns.
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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**

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 get in eyes, on skin or on clothing.

**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**

Strong acids and oxidizers.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide 1310-73-2	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>
Potassium Hydroxide 1310-58-3	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>

### 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 goggles or a face protection shield.

#### Skin and Body Protection

Chemical resistant, impermeable gloves and clothing.

#### 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>	Clear to Yellow Liquid.
<b>Color</b>	Clear to Yellow Liquid.
<b>Odor</b>	No specific odor.

<u>Property</u>	<u>Values</u>	<u>Remarks * Method</u>
<b>pH</b>	13.5 - 14.5	68°F (20°C)
<b>Melting Point / Freezing Point</b>	< 32°F / < 0°C	
<b>Boiling Point / Boiling Range</b>	> 212°F / > 100°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.	
<b>Vapor Density</b>	< 1	(Air = 1) (Approximate)
<b>Specific Gravity</b>	1.21	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

Strong acids and oxidizers.

### Hazardous Decomposition Products

None under normal processing.

## 11. TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Product Information

<b>Inhalation</b>	May cause irritation and burns to the mucous membrane.
<b>Eye Contact</b>	Causes severe eye damage.
<b>Skin Contact</b>	May cause irritation, redness and burns.
<b>Ingestion</b>	May cause severe burns of the mouth, throat and stomach.

#### 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
Potassium Hydroxide 1310-58-3	273 mg/kg ( Rat )	N/A	N/A

### Information on Physical, Chemical and Toxicological Effects

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
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### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
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### 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
Potassium Hydroxide 1310-58-3	No Information	Known Toxin	No Information	No Information

## 12. ECOLOGICAL INFORMATION (continued)

### 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.

Chemical Name	California Hazardous Waste Status
Sodium Hydroxide 1310-73-2	Toxic / Corrosive
Potassium Hydroxide 1310-58-3	Toxic / Corrosive

## 14. TRANSPORT INFORMATION

### Note

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

#### DOT

UN/ID No UN1760  
Proper Shipping Name Corrosive Liquid, n.o.s. (Sodium and Potassium Hydroxide)  
Hazard Class 8  
Packing Group III

#### IATA

UN/ID No UN1760  
Proper Shipping Name Corrosive Liquid, n.o.s. (Sodium and Potassium Hydroxide)  
Hazard Class 8  
Packing Group III

#### IMDG

UN/ID No UN1760  
Proper Shipping Name Corrosive Liquid, n.o.s. (Sodium and Potassium Hydroxide)  
Hazard Class 8  
Packing Group III



## 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.

#### SARA 302

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 302.

### 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
Potassium Hydroxide 1310-58-3	1000 lb.	N/A	N/A	X

### CERCLA

Chemical Name	Hazardous Substances 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
Potassium Hydroxide 1310-58-3	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
Potassium Hydroxide 1310-58-3	X	X	X

## 16. OTHER INFORMATION

### NFPA

<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
3	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.

**Issue Date** February 2014

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### Disclaimer

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End of Safety Data Sheet