

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name ProClense plus SCD™

Other Means of Identification

SDS # PCPSCD/SDS/I04

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
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 1

Signal Word

Danger.

Physical & Chemical Hazards:

None.

Health Hazards:

Causes severe skin burns
Causes serious eye damage.
See section 12.

Environmental Hazards:

GHS Label Element

Hazard Statements	H314	Causes severe skin burns and eye damage.
	H318	Causes serious eye damage.
Precautionary Statements:		
Prevention	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P233	Keep container tightly closed.
	P260	Do not breathe dust/fumes/gas/mist/vapors/spray.
	P264	Wash face, hands and any exposed skin thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P271	Use only in a well-ventilated area.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P280	Wear protective gloves, protective clothing, eye protection and face protection.
Response	P314	Get medical advice/attention if you feel unwell.
	P370	In case of fire, use CO ₂ , dry chemical or foam to extinguish.
Storage	P402	Store in a dry place
	P403	Store in a well-ventilated place.
Disposal	P501	Dispose according to all local, state and federal regulations.

Hazard(s) not otherwise classified (HNOC):

Not determined.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Sodium Hydroxide	1310-73-2	5 - 18
Potassium Hydroxide	1310-58-3	1 - 7
Caprylamidopropyl Betaine	73772-46-0	*
Alkoxyhydroxypropyl Sultaine	108797-84-8	*

* The exact percentage is a trade secret.

4. FIRST AID MEASURES

<u>Inhalation</u>	Move to fresh air and keep at rest in a comfortable position for breathing. If not breathing, give artificial respiration. Consult a physician.
<u>Eye Contact</u>	Immediately flush with plenty of water. Remove any contact lenses, continue flushing for several minutes and call physician immediately.
<u>Ingestion</u>	Rinse mouth. Drink large amounts of water. Do not induce vomiting. Never give anything by mouth to a person who is unconscious. Call a physician or Poison Control Center.
<u>Skin Contact</u>	Wash off immediately with plenty of water for several minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: get medical advice/attention.
<u>Symptoms</u>	Burning and/or irritation to the eyes and skin. Irritation and corrosive burns to the mouth, throat and stomach. May cause corneal burns.
<u>Note to Physician</u>	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

<u>Suitable Extinguishing Media</u>	Use CO ₂ , dry chemical or foam to extinguish.
<u>Unsuitable Extinguishing Media</u>	Not Determined.
<u>Specific Hazards Arising from the Chemical</u>	None known.
<u>Protective Equipment and Precautions for Firefighters</u>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

<u>Personal Precautions, Protective Equipment and Emergency Procedures</u>	
<u>Personal Precautions</u>	Use personal protective equipment as recommended. The wet, contaminated surface may be slippery.
<u>For Emergency Responders</u>	Restrict access to spill area. Ventilate the area.
<u>Environmental Precautions</u>	Prevent entry into waterways, sewers, basements or confined areas.
<u>Methods and Material for Containment and Cleaning Up</u>	
<u>Methods for Containment</u>	Prevent further leakage or spillage if safe to do so.
<u>Methods for Cleaning Up</u>	Absorb with inert material. Shovel or sweep spills. Flush remainder with plenty of water.

7. HANDLING AND STORAGE

<u>Precautions for Safe Handling</u>	
<u>Advice on Safe Handling</u>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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 reach of children and pets.
<u>Conditions for Safe Storage, Including any Incompatibilities</u>	
<u>Storage Conditions</u>	Keep container tightly closed and store in a closed container in a cool, dry, well-ventilated place away from incompatible materials.
<u>Incompatible Materials</u>	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 ³	TWA: 2 mg/m ³ Ceiling: 2 mg/m ³ (Vacated)	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³
Potassium Hydroxide 1310-58-3	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ Ceiling: 2 mg/m ³ (Vacated)	Ceiling: 2 mg/m ³
Caprylamidopropyl Betaine 73772-46-0	Not Determined	Not Determined	Not Determined
Alkoxyhydroxypropyl Sultaine 108797-84-8	Not Determined	Not Determined	Not Determined

Exposure Guidelines

Appropriate Engineering Controls

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection

Skin and Body Protection

Respiratory Protection

General Hygiene Considerations

See above occupational exposure limits.

Eyewash stations.

Wear goggle or a face protection shield.

Chemical resistant, non-latex and impermeable gloves, and protective clothing.

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

Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid.	Appearance	Clear to Yellow Liquid.	Color	Clear to Yellow.	Odor	No Specific Odor.
Property	Values	Property	Values				
pH	13.5 - 14.5 (77°F / 25°C)	Specific Gravity	1.21 (60°F / 15.5°C)				
Melting Point / Freezing Point	< 32°F / < 0°C	Water Solubility	Completely Soluble.				
Boiling Point / Boiling Range	> 212°F / > 100°C	Partition Coefficient	Not Determined.				
Flash Point	Not Flammable.	Autoignition Temperature	Not Determined.				
Evaporation Rate	< 1	Decomposition Temperature	Not Determined.				
Flammability (Solid/Gas)	N/A- Liquid.	Kinematic Viscosity	Not Determined.				
Flammability Limits In Air	Not Flammable.	Dynamic Viscosity	Not Determined.				
Vapor Pressure	Not Determined.	Explosive Properties	Not Explosive.				
Vapor Density	< 1	Oxidizing Properties	Not Determined.				

10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability

Possibility of Hazardous Reactions

Hazardous Polymerization

Conditions to Avoid

Incompatible Materials

Hazardous Decomposition Products

Not reactive under normal conditions.

Stable under recommended storage conditions.

None under normal processing.

Hazardous polymerization will not occur.

None under normal processing.

Strong acids and oxidizers.

None under normal processing.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure

Eye Contact. Skin Contact. Inhalation. Ingestion.

Information on Likely Routes of Exposure

Ingestion

Do not taste or swallow.

Inhalation

Avoid breathing vapors and mists.

Skin Contact

May cause skin irritation.

Eye Contact

May cause eye irritation.

Component Information

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
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
Caprylamidopropyl Betaine 73772-46-0	Not Determined	Not Determined	Not Determined
Alkoxyhydroxypropyl Sultaine 108797-84-8	13800 mg/kg (Rat)	Not Determined	Not Determined

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity

The product as a whole has not been tested.

Numerical Measures of Toxicity

Not Determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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
Caprylamidopropyl Betaine 73772-46-0	Known Toxin	No Information	No Information	No Information
Alkoxyhydroxypropyl Sultaine 108797-84-8	No Information	No Information	No Information	No Information

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 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.

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 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.

Clean Water Act (CWA)

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

Comprehensive Environmental Response, Compensation, and Liability Act (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
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

Health Hazards	Flammability	Instability	Special Hazards
3	0	0	Not Determined.

HMIS

Health Hazards	Flammability	Physical Hazards	Personal Protection
Not Determined.	Not Determined.	Not Determined.	Not Determined.

Issue Date April 2017.

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Revision Note

Disclaimer

This Safety Data Sheet was prepared to comply with the current OSHA Hazard Communication Standard adoption of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS). 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