

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name ProClense™

Other Means of Identification

SDS # PCI/SDS/I02

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
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.

Physical & Chemical Hazards:

None.

Health Hazards:

Causes skin irritation.

Causes serious eye irritation.

Environmental Hazards:

See section 12.

GHS Label Element

Hazard Statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements:

Prevention P202 Do not handle until all safety precautions have been read and understood.

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 CO₂, 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	*
Triethanolamine	102-71-6	*

* The exact percentage is a trade secret.

4. FIRST AID MEASURES

Inhalation

Move to fresh air and keep at rest in a comfortable position for breathing. If not breathing, give artificial respiration. Consult a physician.

Eye Contact

Immediately flush with plenty of water. Remove any contact lenses, continue flushing for several minutes and call physician immediately.

Ingestion

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.

Skin Contact

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.

Symptoms

Causes skin irritation. Ingestion may causes nausea. Inhalation may cause mild respiratory irritation. Causes eye irritation.

Note to Physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use CO₂, dry chemical or foam to extinguish.

Unsuitable Extinguishing Media

Not Determined.

Specific Hazards Arising from the Chemical

None 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 recommended. 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.

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.

Wash thoroughly after handling.

Keep out of reach of children and pets.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

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

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 ³	TWA: 2 mg/m ³ Ceiling: 2 mg/m ³ (Vacated)	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³
Triethanolamine 102-71-6	TWA: 5 mg/m ³	N/A	N/A

Appropriate Engineering Controls

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, non-latex and 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

Physical State	Liquid	Appearance	Fluorescent, Yellow Liquid.	Color	Fluorescent Yellow.	Odor	Pleasant.
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Property	Values	Property	Values
pH	12.5 -13.5 (68°F/20°C)	Specific Gravity	1.023 (68°F/20°C)
Melting Point / Freezing Point	< 32°F / < 0°C	Water Solubility	Completely Soluble.
Boiling Point / Boiling Range	> 185°F / > 85°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

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**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
Triethanolamine 102-71-6	5000 mg/kg (Rat)	2000 mg/kg (Rabbit)	N/A

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.

Chemical Name	ACGIH	IARC	NTP	OSHA
Triethanolamine 102-71-6	A4	Group 3	N/A	N/A

ACGIH (The American Conference of Governmental Industrial Hygienists)

A4 - Not Classifiable as a Human Carcinogen.

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.

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

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.

Chemical Name	California Hazardous Waste Status
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 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

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

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

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**

Health Hazards	Flammability	Instability	Special Hazards
1	0	0	Not Determined.

HMIS

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

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Revision Note New format.

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