

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name ProClense™ plus

Other Means of Identification

SDS # PCNF/SDS/104

Product Code PCNF

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Instrument Detergent.

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

This chemical does not meet the hazardous criteria set fourth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

This product contains no substances which at their given concentration, are considered to be hazardous to health.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Glycerin	56-81-5	*
Triethanolamine	102-71-6	*

* The exact percentage is a trade secret.

4. FIRST AID MEASURES

<u>Inhalation</u>	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.
<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 and drink plenty of water. Do not induce vomiting. Never give anything by mouth to a person who is unconscious. Call a physician or Poison Control Center immediately.
<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 attention.
<u>Symptoms</u>	May cause mild skin irritation. May cause eye irritation. Inhalation may cause respiratory tract irritation. Ingestion may cause nausea.
<u>Note to Physician</u>	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

<u>Suitable Extinguishing Media</u>	Use water, 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

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

Use personal protective equipment as required.

For Emergency Responders

The wet, contaminated surface may be slippery.

Environmental Precautions

Restrict access to spill area. Ventilate the area.

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

Handle in accordance with good industrial hygiene and safety practice.

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.

Incompatible Materials

Strong acids, oxidizers and alkalis.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
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, chemical safety glasses or a face protection shield.

Skin and Body Protection

Chemical resistant, non-latex and impermeable gloves. Wear appropriate clothing to prevent repeated or prolonged skin contact.

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	Clear Liquid.	Color	Colorless.	Odor	Non-specific.
Property	Values		Property		Values		
pH	8.0-10.0		Specific Gravity		1.065-1.095		
Melting Point / Freezing Point	Not Determined.		Water Solubility		Completely Soluble.		
Boiling Point / Boiling Range	Not Determined.		Partition Coefficient		Not Determined.		
Flash Point	Not Flammable.		Autoignition Temperature		Not Flammable.		
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	Strong acids, oxidizers and alkalis.
Hazardous Decomposition Products	None Known.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure	Eye Contact. Inhalation. Ingestion. Skin Contact.
Information on Likely Routes of Exposure	
Ingestion	Do not taste or swallow.
Inhalation	Avoid breathing vapors or mists.
Eye Contact	Avoid contact with eyes.
Skin Contact	Avoid contact with skin.

Component Information

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
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	A4	Group 3	N/A	N/A

ACGIH (The American Conference of Governmental Industrial Hygienists)

A4- Not Classified 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
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.

14. TRANSPORT INFORMATION

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**Clean Water Act (CWA)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

The Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

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.

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Triethanolamine 102-71-6	X	X	X

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 December 2019.

Revision Date September 2020.

Revision Note Reformulation.

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