

Issue Date March 2014

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Version 3

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name ProEZ SCD™

Other Means of Identification

SDS # EZSCD/SDS/I03

Product Code EZSCD

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

Respiratory Sensitization	Category 1
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2B

Signal Word

	Danger.
Physical & Chemical Hazards:	None.
Health Hazards:	May be harmful in contact with skin. Causes skin irritation. Causes eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Environmental Hazards:	See section 12.

GHS Label Element

Hazard Statements	H313	May be harmful in contact with skin.
	H315	Causes skin irritation.
	H320	Causes eye irritation.
	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Precautionary Statements:

Prevention	P201	Obtain special instructions before use.
	P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
	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.
	P411	Do not store above 86°F (30°C).
Disposal	P501	Dispose according to all local, state and federal regulations.

Hazard(s) not otherwise classified (HNOC):

Other Information Causes mild skin irritation.

Toxic to aquatic life.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Subtilisin (Protease)	9014-01-1	*
Boric Acid	10043-35-3	*
Triethanolamine	102-71-6	*
Glycerol	56-81-5	*

* 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	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. Inhalation may cause respiratory sensitization. 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

Not Flammable.

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.

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

Flush small spills with water. Dike to collect large liquid spills.

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.

Wash thoroughly after handling.

Use only in well-ventilated areas.

Do not breathe dust/fumes/gas/mist/vapors/spray.

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

Do not store above 86°F (30°C).

Incompatible Materials

Avoid contact with strong acids, oxidizers and alkalis.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Subtilisin (Protease) 9014-01-1	Ceiling: 0.00006 mg/m ³	N/A	STEL: 0.00006 mg/m ³ 60 min.
Boric Acid 10043-35-3	STEL: 6 mg/m ³ inhalable fraction. TWA: 2 mg/m ³ inhalable fraction	N/A	N/A
Triethanolamine 102-71-6	TWA: 5mg/m ³	N/A	N/A
Glycerol 56-81-5	TWA: 10 mg/m ³ mist	TWA: 15 mg/m ³ mist, total Particulate TWA: 15 mg/m ³ mist, respirable fraction (Vacated) TWA: 10 mg/m ³ mist, total Particulate (Vacated) TWA: 5 mg/m ³ mist, respirable fraction	N/A

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 goggles, chemical safety glasses or a face protection shield.

Chemical resistant, non-latex and impermeable gloves.

Wear appropriate clothing to prevent repeated or prolonged skin contact.

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	Yellow Clear Liquid.	Color	Yellow.	Odor	Fresh.
Property	Values	Property	Values				
pH	7.8 - 8.3 (77°F / 25°C)	Specific Gravity	1.05 (60°F / 15.5°C)				
Melting Point / Freezing Point	< 17.6°F / < -8°C	Water Solubility	Completely Soluble.				
Boiling Point / Boiling Range	217°F / 102.7°C	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 Determined.	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.

Avoid contact with strong acids, oxidizers and alkalis.

None known.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure

Eye Contact. Skin Contact. Inhalation. Ingestion.

Information on Likely Routes of Exposure

Ingestion
Inhalation
Skin Contact
Eye Contact

Do not taste or swallow.
Avoid breathing vapors and mists.
Causes mild skin irritation.
Causes eye irritation.

Component Information

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Subtilisin (Protease) 9014-01-1	1800 mg/kg (Rat)	N/A	N/A
Glycerol 56-81-5	12600 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	> 570 mg/m ³
Boric Acid 10043-35-3	2660 mg/kg (Rat)	2000 mg/kg (Rabbit)	> 0.16 mg/L (Rat) 4 hr.
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	N/A	Group 3	N/A	N/A
Boric Acid 10043-35-3	A4	N/A	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.

Sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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
Boric Acid 10043-35-3	No Information	Known Toxin	No Information	Known Toxin
Glycerol 56-81-5	No Information	Known Toxin	No Information	Known Toxin
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
Boric Acid 10043-35-3	0.175
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
Boric Acid 10043-35-3	Toxic
Borax 1303-96-4	Toxic

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 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.

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Propylene Glycol 57-55-6	X	N/A	X
Glycerol 56-81-5	X	X	X
Triethanolamine 102-71-6	X	X	X
Borax 1303-96-4	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