

SDS PRO-CARE-GB
Issue 1, Version 4, Revised 28 August 2017

Total Pages: 6

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SECTION 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 PRODUCT NAME:

Pro-Care

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST:

Concentrated evaporator coil cleaner and disinfectant.

Uses advised against: Any applications other than those specified above.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET:

Manufactured by (USA): DiversiTech Corporation
6650 Sugarloaf Parkway
Duluth, GA 30097

Manufactured for (UK): Pump House
Glaisdale Drive East
Nottingham
NG8 4LY
United Kingdom
Tel: +44 1159005858
Fax: +44 1159294468
Email: www.pumph.co.uk.com

1.4 Emergency Telephone Number:

Emergency tel: 001 813 248 0585 24 Hours, 7 Days, Chem-Tel, Inc.

SECTION 2. HAZARDOUS IDENTIFICATION

2.1 Classification of the mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

GHS Classification:

Skin Corrosion Category 1A

Eye Corrosion Category 1

Hazardous to the Aquatic Environment – Short-term (Acute) Category 1

2.2 Label Elements:



Signal Word Danger!

Hazard Statement(s)

H314 Causes severe skin burns and eye damage.
H319 Causes serious eye damage
H400 Very toxic to aquatic life

Precautionary statement(s)

P102 Keep out of reach of children.
P103 Read label before use.
P260 Do not breathe mist or spray.
P264 Wash thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear rubber or nitrile or neoprene protective gloves and clothing and safety goggles, or face shield to protect eyes and face.
P310 Immediately call your national POISON CENTRE information service or a doctor.
P301 + 330 + 331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + 361 + 353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water or shower.
P363 Wash contaminated clothing before reuse.
P304 + 340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 Specific treatment for skin exposure: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Contact your national poison information service or doctor for treatment advice.

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SECTION 2. HAZARDOUS IDENTIFICATION (cont.)

2.2 Label Elements: (cont.)

Precautionary statement(s) (cont.)

P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents and container in accordance with international and local regulations.

2.3 Other Hazards

PBT: This product does not contain substances identified as PBT or vPvB.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

INGREDIENT	CAS No.	EINECS No.	% Or Range	GHS Classification	
Sodium silicate	1344-09-8	215-687-4	1-3	H314: Causes severe skin burns and eye damage H335: May cause respiratory irrit. H315: Causes skin irrit.	Category 1B Category 3 Category 2
EDTA Tetrasodium salt	64-02-8		0-5	H319: Causes serious eye irrit. H335: May cause respiratory irrit.	Category 2A Category 3
Alkyl dimethylbenzyl ammonium chloride	68424-85-1	270-325-2	0-5	H314: Causes severe eye damage H400: Very toxic to aquatic life	Category 1B Category 1

3.2 Mixtures

No further information

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Skin Contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Contact your national poison information service or doctor for treatment advice.

Eye Contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Call your national poison information service immediately. Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. If person stops breathing give artificial respiration. Transfer to hospital as soon as possible.

4.2 Most important symptoms and effects, both acute and delayed

Concentrated product is corrosive to the eyes, skin, gastrointestinal tract, and respiratory system. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea and possibly death. Mists can irritate throat and respiratory tract. Symptoms may include headaches, dizziness and drowsiness.

4.3 Indication of any immediate attention and special treatment needed

Immediately flush eyes if contact is made. If inhaled or ingested seek medical advice immediately.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media for the surrounding fire should be used.

5.2 Special hazards arising from the substance or mixture

Will not explode. Irritating and toxic gases or fumes may be released during a fire.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Cool exposed containers with a water spray to prevent rupturing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep unnecessary and unprotected people away from area of spill. Cleanup personnel must be equipped with personal protective gear. Remove contaminated clothing immediately.

6.2 Environmental precautions

Do not discharge into drains or rivers. Contain and recover liquid when possible.

6.3 Methods and material for containment and cleaning up

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SECTION 6. ACCIDENTAL RELEASE MEASURES (cont.)

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

6.4 Reference to other sections

Please refer to Section 8 for details on protective wear.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Wash hands thoroughly after handling.

7.2 Condition for safe storage, including any incompatibilities

Keep container tightly closed. Protect from physical damage. Store in a cool dry ventilated area away from sources of extreme heat, moisture and incompatibilities.

7.3 Specific end use(s)

Concentrated evaporator coil cleaner and disinfectant.

Industrial section specific solution: None.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Not relevant.

8.2 Exposure controls

Ensure there is sufficient ventilation of the area. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Eye/Face Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities or a source of running water in the work area.

Skin protection:

Hand protection: Wear impervious gloves to minimize prolonged skin contact.

Other: Impermeable protective clothing.

Respiratory protection: Not required during normal use.

Thermal hazards: Not relevant

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Blue liquid
Odor:	Non-descript
Odor Threshold:	Not available
pH @ 25°C:	10-11
Melting Point/Freezing Point:	0 °C
Boiling Point and boiling range:	100 °C
Flash Point:	Not available
Evaporation Rate (Water = 1):	~1
Flammable Limits:	Not available
Vapor pressure:	Same as water
Vapor Density:	Same as water
Solubility:	1.03
Relative Density:	Miscible in water
Partition Coefficient: N-Octanol/water:	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available

9.2 Other information

No further details

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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

May evolve carbon monoxide, carbon dioxide, hydrogen chloride and other unidentified fragments if this product is involved in a fire.

10.4 Conditions to avoid

Heat, freezing, incompatibles.

10.5 Incompatible materials

Strong oxidisers. Strong acids.

10.6 Hazardous decomposition products

May evolve carbon monoxide, carbon dioxide, hydrogen chloride and other unidentified fragments if this product is involved in a fire.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Potential Health Effects:

11.1.1 **Acute Toxicity:** No data available.

11.1.2 **Irritation:** Corrosive.

11.1.3 **Corrosive:** Yes. Causes burns to skin, eyes, respiratory tract, and gastrointestinal tract. Material is extremely destructive to all body tissues.

11.1.4 **Sensitisation:** Not expected to be a sensitizer.

11.1.5 **Repeated dose toxicity:** Not expected to be of concern.

11.1.6 **Carcinogenicity:** Not expected to be carcinogenic.

11.1.7 **Mutagenicity:** Not expected to be mutagenic.

11.1.8 **Toxicity for reproduction:** Not expected to be toxic for reproduction.

11.1.9 **Route of exposure:** Skin contact and inhalation.

11.1.10 **Symptoms related to the physical, chemical and toxicological characteristics:** If in contact with eyes corneal burns may occur. If in contact with skin, blistering may occur. Progressive ulceration will occur if treatment is not immediate. If ingested, corrosive burns may appear around the lips. Blood may be vomited. There may be bleeding from the mouth or nose.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Very toxic to aquatic organisms.

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides [M = 10]

EC50/Daphnia magna/48 h = 0,025 mg/l [EPA-FIFRA]

EC50/Selenastrum capricornutum/72 h = 0,049 mg/l [OECD TG 201]

Didecyldimethylammonium chloride [M = 10]

LC50/Pimephales promelas/96 h = 0, 19 mg/l [US-EPA]

ErC50/Pseudokirchneriella subcapitata/96 h = 0,026 mg/l [OECD TG 201]

EC50/Daphnia magna/48 h = 0,062 mg/l [EPA-FIFRA]

12.2 Persistence and degradability

Biodegradable.

12.3 Bioaccumulative potential

No bioaccumulative potential.

12.4 Mobility in soil

Readily absorbed into soil.

12.5 Results of PBT and Vpvb Assessment

This substance is not identified as a PBT substance.

12.6 Other adverse effects

No data available.

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SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal operations - Treat empty containers as hazardous.

Disposal of packaging - Treat empty containers as hazardous. Dispose of in a waste management facility.

Please follow all local, regional, national and international laws.

SECTION 14. TRANSPORTATION INFORMATION

14.1 UN number

UN 1903

14.2 UN proper shipping name

Disinfectant liquid, Corrosive, N.O.S. (Quaternary Ammonium Compound)

14.3 Transport hazard class(es)

Class 8

14.4 Packing group

II

14.5 Environmental hazards

Not Environmentally Hazardous Substance.

14.6 Special precautions for user

See section 8

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable to packaged goods

Mode-specific information:

ROAD/RAIL (ADR/RID/CDG)	Transport category 1 Tunnel restriction code E
SEA (IMDG)	Not Marine Pollutant IMDG Code segregation group 18 – Alkalis EmS: F-A S-B
AIR (ICAO/IATA)	ERG Code 8L

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

15.2 Chemical safety assessment

A chemical safety assessment has not been conducted.

SECTION 16. OTHER INFORMATION

Other information

This safety data sheet is prepared in accordance with Regulation (EC) No 1272/2008 (CLP).

Revision Summary: All Sections: New GHS Format

Abbreviations:

UN Model Regulations means the Model Regulations annexed to the most recently revised edition of the Recommendations on the Transport of Dangerous Goods published by the United Nations.

IMDG Code means the International Maritime Dangerous Goods code, as amended.

ADR means the European Agreement concerning the International Carriage of Dangerous Goods by Road, as amended.

RID means the Regulations concerning the International Carriage of Dangerous Goods by Rail, as amended.

ADN means the European Agreement concerning the International Transport of Dangerous Goods by Inland Waterways, as amended.

Sources of key data:

UK Regulatory References: The Control of Substances Hazardous to Health Regulations 2002 (as amended 2004).

European Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.

Approved Code of Practice: Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations

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SECTION 16. OTHER INFORMATION (cont.)

Dangerous for Supply. British Workplace Exposure Limits EH40.

Classification and Labelling Guidance: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 2

Precautionary Statement and Pictograms: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 3

Guidance on the Preparation of Safety Data Sheets: Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Annex 4

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