
PRO-CARE™ SAFETY DATA SHEET

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7 Pages

According to the Commission Regulation (EU) No 453/2010 Annex II of REACH Regulation

SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product Identifier

Pro-Care

1.2 Relevant identified uses of the mixture and of the company

Concentrated evaporator coil cleaner and disinfectant.

1.3 Details of the supplier of the safety data sheet

DiversiTech UK Limited
Glaisdale Drive East, Nottingham, NG8 4LY United Kingdom
Phone: +44 115 900 5858

1.4 Emergency telephone number

Emergency tel:

+1 813 248 0585 24 Hours, 7 Emergency Days, Chem-Tel, Inc.

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the mixture

Classification under CHIP:	[C]; R34;
Directive 1999/45/EC:	This mixture meets the criteria for classification as dangerous in accordance with Directive 1999/45/EC.

PHYSICOCHEMICAL HAZARDS: Incompatible with strong oxidisers. Stable under normal conditions of use and storage.

HUMAN HEALTH: Mildly corrosive to skin. May cause burns to skin. Causes burns to eyes and may result in permanent injury to eyes including blindness. Mists may irritate the throat and respiratory tract. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhoea and possibly death.

Environment: This material has negligible ecotoxicity.

Please see Section 16 for full classification.

2.2 Label elements



Corrosive

RISK PHRASES

R34: Causes burns.

SAFETY PHRASES

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of soap and water.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S60: This material and its container must be disposed of as hazardous waste.

2.3 Other hazards

Workplace exposure limit:	This product does not have a workplace exposure limit.
PBT:	This substance is not identified as a PBT substance.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	EC No	CAS No.	CONTENT %	CLASSIFICATION
Sodium Silicate	215-687-4	1344-09-8	1-3	[Xn] R22; [C] R35; [Xi] R41
Alkylaryl polyether alcohol		-	0-5	-
Alkyl dimethylbenzyl ammonium chloride	270-325-2	68424-85-1	0-5	-

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 a poison control centre 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 a poison control centre 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.

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: FIRE-FIGHTING 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 Method for cleaning up

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)

No further details

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 minimise prolonged skin contact.

Other: Impermeable protective clothing.

Respiratory protection: None required for normal use.

Thermal hazards: Not relevant

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Blue liquid
Odour:	Non-descript
Odour threshold:	n.a.
pH:	11-11.5
Melting point/freezing point:	0°C
Initial boiling point and boiling range:	100°C
Flash point:	n.a.
Evaporation rate:	~1
Flammability limits %	n.a.
Vapour pressure:	Same as water
Vapour density	Same as water
Relative density:	1.03
Solubility:	Miscible in water
Partition Coefficient: n-octanol/water:	n.a.
Auto-ignition temperature:	n.a.
Decomposition temperature:	n.a.
Viscosity:	n.a.
Explosive properties:	n.a.
Oxidising properties:	n.a.

9.2 Other information

No further details

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

Acute Toxicity: No data available. Harmful if swallowed. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhoea and possibly death. Harmful if inhaled. Mists can irritate throat and respiratory tract. Symptoms may include headaches, dizziness and drowsiness.

Irritation: Corrosive

Corrosivity: Mildly corrosive. . May cause burns. Blistering may occur. Progressive ulceration will occur if treatment is not immediate. Corneal burns may occur. May cause permanent eye damage.

Sensitisation: No expected to be a sensitiser.

Repeated dose toxicity: No expected to be of concerns

Carcinogenicity: Not expected to be carcinogenic.

Mutagenicity: Not expected to be mutagenic

Toxicity for reproduction: Not expected to be toxic to reproduction

Route of exposure: Skin contact and Inhalation

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

Negligible ecotoxicity.

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 further details.

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: TRANSPORT 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

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 3

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

According to CHIP

Hazard symbols: Corrosive



Risk Phrases:

R34: Causes burns.

Safety Phrases:

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28: After contact with skin, wash immediately with plenty of soap and water.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S60: This material and its container must be disposed of as hazardous waste.

Note: 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

16.1 Other information

This safety data sheet is prepared in accordance with Regulation (EC) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

16.2 Risk Phrases used in Section 3

R22: Harmful if swallowed.

R35: Causes severe burns.

R41: Risk of serious damage to eyes.

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 1988. Chemicals (Hazard Information & Packaging) Regulations.

EU Directives: Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. System of specific information relating to Dangerous Preparations. 2001/58/EC.

Statutory Instruments: Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

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

Guidance Notes: Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

National Regulations: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

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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