

## Pro-Clean

### SECTION 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

#### 1.1 Product identifier

Pro-Clean

#### 1.2 Relevant identified uses of the mixture and uses advised against

Alkaline based evaporator and condensing coil cleaner.

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](http://www.pumph.co.uk.com)

#### 1.4 Emergency telephone number

**Emergency tel:** 001 +1813 248 0585 24 Hours, 7 Emergency Days, Chem-Tel, Inc.

### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the mixture

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

#### GHS Classification:

Skin Irritation Category 3

Eye Irritation Category 2B

#### 2.2 Label Elements:

**Signal Word** Warning!

#### Hazard Statement(s)

H316 Causes mild skin irritation.  
H320 Causes eye irritation.

#### Precautionary statement(s)

P102 Keep out of reach of children.  
P103 Read label before use.  
P264 Wash thoroughly after handling.  
P332 + 313 If skin irritation occurs: Get medical attention.  
P305 + 351 + 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + 313 If eye irritation persists: Get medical attention.

#### 2.3 Other hazards

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

## Pro-Clean

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

INGREDIENT	CAS No.	EINECS No.	% Or Range	GHS Classification	
Ethylamine diamine tetraacetic acid, tetrasodium salt	64-02-8		1-2	H315 Causes skin irrit. H319: Causes serious eye irrit. H335: May cause respiratory irrit.	Category 2 Category 2A Category 3
Sodium silicate	1344-09-8	239-981-7	<1	H314: Causes severe eye damage H335: May cause respiratory irrit.	Category 1B Category 3

#### 3.2 Mixtures

No further information

### SECTION 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

**Skin Contact:** Wash skin with soap and water for at least 15 minutes. If irritation develops or persists, get medical attention.

**Eye Contact:** Immediately flush eyes with plenty of water for 15 minutes, lifting lower and upper eyelids occasionally. If irritation persists, get medical attention.

**Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Call your national poison information service or doctor for medical advice.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If not breathing give artificial respiration. Get medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

Swallowing can cause gastro-intestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis. Effects from inhalation of mists and vapours vary from mild to moderate irritation of the upper respiratory tract, depending on severity of exposure.

Abusive or excessive inhalation of vapours may cause irritation to the upper respiratory tract, dizziness, nausea and other nervous system effects.

#### 4.3 Indication of any immediate attention and special treatment needed

Medical attention is required immediately for all exposure.

### SECTION 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Not applicable

#### 5.2 Special hazards arising from the substance or mixture

No.

#### 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

Remove contaminated clothing and launder before re use. Keep unnecessary and unprotected people away from area of spill. Ventilate area of leak or spill.

#### 6.2 Environmental precautions

Do not discharge into drains or rivers.

#### 6.3 Methods and material for containment and cleaning up

Absorb neutralized residue on clay, vermiculite or other inert substance and package in a recovery drum or other suitable container for disposal. Wash away residues with water.

#### 6.4 Reference to other sections

Please refer to Section 8 for details on protective wear.

## Pro-Clean

### SECTION 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Protect from physical damage. Wash thoroughly after handling.

#### 7.2 Condition for safe storage, including any incompatibilities

Store in cool, well-ventilated area. Keep container tightly closed.

#### 7.3 Specific end use(s)

Alkaline based evaporator and condensing coil cleaner.

Industrial section specific solution: None.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

Not applicable.

#### 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. A source of running water or other eyewash provisions should be nearby.

##### Skin protection:

*Hand protection:* Rubber gloves. Neoprene gloves. Nitrile gloves.

*Other:* Use rubber, neoprene or nitrile gloves to minimize skin contact.

**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:	Green liquid
Odor:	Slight citrus odour
Odor Threshold:	Not available
pH:	11.0-11.5 @100%.
Melting Point/Freezing Point:	<0°C
Boiling Point and boiling range:	104 °C
Flash Point:	Not available
Evaporation Rate (Water = 1):	> 1
Flammable Limits:	Not available
Vapor pressure:	Same as water
Vapor Density:	> 1
Solubility:	Miscible in water
Relative Density:	1.02
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.

### 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

No further details.

## Pro-Clean

### SECTION 10. STABILITY AND REACTIVITY (cont.)

#### 10.4 Conditions to avoid

Incompatibles.

#### 10.5 Incompatible materials

Strong oxidising agents. Strong acids. Strong Alkalies.

#### 10.6 Hazardous decomposition products

Carbon Dioxide. Carbon Monoxide. Hydrogen sulphide. Sulphur dioxide.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

##### Potential health effects:

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

11.1.2 **Irritation:** Prolonged skin exposure may produce mild temporary irritation. If in contact with eye, there may be temporary irritation and pain.

11.1.3 **Corrosive:** not expected to be corrosive.

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

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

11.1.10 **Symptoms related to the physical, chemical and toxicological characteristics:** Eye and skin irritation. Swallowing can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Abusive or excessive inhalation of vapours may cause irritation to the upper respiratory tract, dizziness, nausea and other nervous system effects.

### SECTION 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

No data available.

#### 12.2 Persistence and degradability

Biodegradable.

#### 12.3 Bioaccumulative potential

No bioaccumulation potential.

#### 12.4 Mobility in soil

Readily absorbed into soil. Final destination of reacted products is water.

#### 12.5 Results of PBT and VpVb Assessment

This substance is not identified as a PBT substance.

#### 12.6 Other adverse effects

Concentrated product is moderately harmful to aquatic organisms.

### SECTION 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Disposal operations** - Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility.

**Disposal of packaging** - Empty containers of this material pose no disposal hazard and may be recycled.

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

### SECTION 14. TRANSPORT INFORMATION

Not regulated-not classified as dangerous goods for carriage under ARD/RID/IMDG/ICAO/IATA

#### 14.1 UN number

Not applicable

#### 14.2 UN proper shipping name

Not applicable

#### 14.3 Transport hazard class(es)

Not applicable

#### 14.4 Packing group

Not applicable

## Pro-Clean

### SECTION 14. TRANSPORT INFORMATION (cont.)

#### 14.5 Environmental hazards

Not Environmentally Hazardous Substance.

#### 14.6 Special precautions for user

Not applicable

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

Not applicable to packaged goods.

### 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

#### 16.1 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 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

#### IMPORTANT:

The information presented herein, while not guaranteed, was prepared by competent technical personnel and is true and accurate to the best of our knowledge. NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, OR WARRANTY OR GUARANTY OF ANY OTHER KIND, EXPRESS OR IMPLIED, IS MADE REGARDING PERFORMANCE, SUITABILITY, STABILITY OR OTHERWISE. The information included herein is not intended to be all-inclusive as to the appropriate manner and/or conditions of use, handling and/or storage. Factors pertaining to certain conditions of storage, handling, or use of this product may involve other or additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions for use are intended to, and nothing herein shall be construed as a recommendation to, infringe any existing patents or violate any laws, rules, regulations or ordinances of any governmental entity.