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SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: Standard Winterclean
- Product Part Number: 038

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: For the control of Algae in swimming pool water.
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Plastica Ltd
- Address of Supplier: Perimeter House
Napier Road
St Leonards-on-Sea
East Sussex
United Kingdom
TN38 9NY
- Telephone: +44 (0) 1424 857857
- Email: Info@plasticapools.net

1.4 Emergency telephone number

- Emergency Telephone: 0800 043 0891 (technical)
0800 043 0892 (emergency)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Aquatic Chronic 2, H411
- Additional information: For full text of Hazard and EU Hazard statements: see section 16

2.2 Label elements



- Signal Word: None
- Symbols: GHS09
- Hazard statements
H411 - Toxic to aquatic life with long lasting effects.
- Precautionary statements
P273 - Avoid release to the environment.
P391 - Collect Spillage
P501 - Dispose of contents/container to an authorised waste collection point
- Supplemental Hazard Information (EU)
None

2.3 Other hazards

- Not a PBT according to REACH Annex XIII

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SECTION 2: Hazards identification (....)

- Not a vPvB according to REACH Annex XIII
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SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Chemical Name	Conc.	CAS No.	EC No.	Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]	REACH Registration Number	WEL /OEL
Methanamine, N-methyl-, polymer with 2-(chloromethyl) oxirane	< 10%	25988-97-0	607-843-9	Acute Tox. 4, H302; Aquatic Acute 1, H400; Aquatic Chronic 1, H410	-	No
Etidronic acid	< 1%	2809-21-4	231-659-4	Met. Corr. 1, H290; Acute Tox. 4, H302; Eye Dam. 1, H318	01-2119510391 -53-XXXX	No

SECTION 4: First aid measures

4.1 Description of first aid measures

- Contact with skin
After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water
If skin irritation or rash occurs: Get medical advice/attention.
Contaminated clothing should be laundered before reuse
- Contact with eyes
If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
Irrigate eyes thoroughly whilst lifting eyelids
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
- Ingestion
Rinse mouth with water (do not swallow)
Never give anything by mouth to an unconscious person
Get medical advice/attention.
- Inhalation
Remove person to fresh air and keep comfortable for breathing.
If breathing is difficult, oxygen should be given by a trained person
Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Contact with eyes
May cause redness and irritation
- Contact with skin
May cause redness and irritation
- Ingestion
May cause irritation of the throat
May cause nausea/vomiting
- Inhalation
May cause respiratory tract irritation.
May cause coughing

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SECTION 4: First aid measures (....)

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
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SECTION 5: Firefighting measures

5.1 Extinguishing media

- In case of fire use extinguishing media appropriate to surrounding conditions.
- Use water to cool containers exposed to fire.

5.2 Special hazards arising from the substance or mixture

- Gives off irritating or toxic fumes (or gases) in a fire.

5.3 Advice for firefighters

- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
 - Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions for non-emergency personnel: Evacuate the area and keep personnel upwind; Wear protective clothing as per section 8; Avoid contact with skin and eyes; Do not breathe dust/fume/gas/mist/vapours/spray.; Eyewash bottles should be available; Wash thoroughly after handling.
- Personal precautions for emergency responders: Wear chemical protection suit; Wear self-contained breathing apparatus (SCBA).

6.2 Environmental precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Evacuate the area and keep personnel upwind
- Absorb spillage in earth or sand
- Place in appropriate container
- Remove contaminated material to safe location for subsequent disposal
- Seal containers and label them
- To be disposed of as hazardous waste

6.4 Reference to other sections

- See section(s): 7, 8 & 13
-

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 - Do not get in eyes, on skin, or on clothing.
 - Wear safety glasses
 - Wear protective gloves
 - Do not eat, drink or smoke when using this product.
 - Eyewash bottles should be available
 - Wash thoroughly after handling.
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SECTION 7: Handling and storage (....)

- Contaminated work clothing should not be allowed out of the workplace.
- Contaminated clothing should be laundered before reuse

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Avoid extremes of temperature
- Keep container tightly closed.
- Keep in an area equipped with impermeable flooring.
- Keep away from food, drink and animal feedingstuffs
- Keep away from heat and sources of ignition

7.3 Specific end use(s)

- For the control of Algae in swimming pool water.
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SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

- Methanamine,N-methyl-, polymer with 2-(chloromethyl)oxirane
No exposure limits have been set for this substance
- Etidronic acid
DNEL (oral) 6.5 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
DNEL (oral) 6.5 mg/kg (bw/day) Consumer, Acute/Short Term, Systemic Effects
PNEC aqua (freshwater) 136 ug/l
PNEC aqua (marine water) 14 ug/l
PNEC (STP) 20 mg/l
PNEC sediment (freshwater) 59 mg/kg
PNEC sediment (marine water) 5.9 mg/kg
PNEC terrestrial (soil) 96 mg/kg
PNEC secondary poisoning (food) 12 g/kg

8.2 Exposure controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
- Engineering controls
Engineering controls should be provided to prevent the need for ventilation
- Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment
Where a reusable half mask respirator is required, use EN 140, with gas/vapour filter EN 14387 type ABEK, or EN 405; EN 1827
Where a full face mask respirator is required, use EN 136, with gas/vapour filter EN 14387 type ABEK
- Eye/face protection
Wear safety glasses approved to standard EN 166.
- Skin protection
Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
Wear suitable protective clothing
- Hygiene measures
Do not eat, drink or smoke when using this product.
Use good personal hygiene practices
Contaminated work clothing should not be allowed out of the workplace.
Ensure eyewash stations and safety showers are close to hand.

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SECTION 8: Exposure controls/personal protection (....)


SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid; pink; red
- Odour: No information available
- Odour threshold: No information available
- pH: < 2
- Melting point/freezing point: 449.85 °C (etidronic acid)
- Initial boiling point and boiling range: No information available
- Flashpoint: No information available
- Evaporation Rate: No information available
- Flammability (solid,gas): No information available
- Upper/lower flammability or explosive limits: No information available
- Vapour Pressure: 0 Pa @ 25 °C (etidronic acid)
- Vapour Density: No information available
- Relative Density: 1.011
- Solubility(ies): Soluble in water
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: No information available
- Decomposition temperature: No information available
- Viscosity: No information available
- Explosive Properties: No information available
- Oxidising Properties: No information available

9.2 Other information

- None

SECTION 10: Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Avoid extremes of temperature

10.5 Incompatible materials

- Incompatible with strong acids
- Incompatible with alkalis (strong bases)
- Incompatible with strong oxidizing substances

10.6 Hazardous decomposition products

- Decomposition products may include toxic and irritant fumes
- Decomposition products may include nitrogen and carbon oxides
- Decomposition products may include phosphorus oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

- Acute Toxicity
Based on available data, the classification criteria are not met
ATE mix (oral) (calculated) >2000 mg/kg

Chemical Name	LD50 (oral, rat)	LC50 (inhalation, rat)	LD50 (dermal, rabbit)
Methanamine, N-methyl-, polymer with 2-(chloromethyl) oxirane	No data available	No data available	No data available
Etidronic acid	3 130 mg/kg	No data available	10 000 mg/kg

- Skin corrosion/irritation
Based on available data, the classification criteria are not met
- Serious eye damage/irritation
Based on available data, the classification criteria are not met
- Respiratory or skin sensitisation
Based on available data, the classification criteria are not met
- Germ cell mutagenicity
No evidence of mutagenic effects
- Carcinogenicity
No evidence of carcinogenic effects
- Reproductive toxicity
No evidence of reproductive effects
- Specific target organ toxicity (STOT) - single exposure
Based on available data, the classification criteria are not met
- Specific target organ toxicity (STOT) - repeated exposure
Based on available data, the classification criteria are not met
- Aspiration hazard
Based on available data, the classification criteria are not met
- Contact with eyes
May cause redness and irritation
- Contact with skin
May cause redness and irritation
- Ingestion
May cause irritation of the throat
May cause nausea/vomiting
- Inhalation
May cause respiratory irritation
May cause coughing

SECTION 12: Ecological information

12.1 Toxicity

- Toxic to aquatic life with long lasting effects.
- Classification based on calculation and concentration thresholds

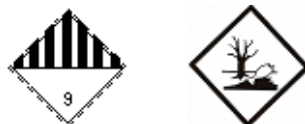
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SECTION 12: Ecological information (....)

- Methanamine, N-methyl-, polymer with 2-(chloromethyl)oxirane
EC50 (Daphnia magna): 0.13 mg/l (48 hr)
LC50 (rainbow trout):
 - Etidronic acid
LC50 (fish): 195 - 2 180 mg/l (96 hr)
EC50 (aquatic invertebrates) 527 mg/l (48 hr)
- 12.2 Persistence and degradability
- No information available
- 12.3 Bioaccumulative potential
- Potential bioaccumulation
- 12.4 Mobility in soil
- Absorbs on soil
- 12.5 Results of PBT and vPvB assessment
- Not a PBT according to REACH Annex XIII
 - Not a vPvB according to REACH Annex XIII
- 12.6 Other adverse effects
- May cause adverse effects in the aquatic environment due to low pH
-

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
- This material and/or its container must be disposed of as hazardous waste
 - Disposal should be in accordance with local, state or national legislation
 - Do not discharge into drains or the environment, dispose to an authorised waste collection point
 - Do not reuse empty containers without commercial cleaning or reconditioning
- 13.2 Classification
- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.
 - The waste must be identified according to the List of Wastes (2000/532/EC)
 - Hazardous Property Code(s): HP 14 Ecotoxic
-

SECTION 14: Transport information


- 14.1 UN number
- UN No.: 3082
- 14.2 UN proper shipping name
- Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S
(Methanamine, N-methyl-, polymer with 2-(chloromethyl)oxirane)
- 14.3 Transport hazard class(es)
- Hazard Class: 9
- 14.4 Packing group
-

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SECTION 14: Transport information (....)

- Packing Group: III
- 14.5 Environmental hazards
- Marine pollutant
- 14.6 Special precautions for user
- No special precautions are required for this product
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
- Not applicable
- 14.8 Road/Rail (ADR/RID)
- ADR UN No.: 3082
 - Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Methanamine, N-methyl-, polymer with 2-(chloromethyl)oxirane)
 - ADR Hazard Class: 9
 - ADR Packing Group: III
 - Tunnel Code: Not applicable
- 14.9 Sea (IMDG)
- IMDG UN No.: 3082
 - Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Methanamine, N-methyl-, polymer with 2-(chloromethyl)oxirane)
 - IMDG Hazard Class: 9
 - IMDG Pack Group.: III
- 14.10 Air (ICAO/IATA)
- ICAO UN No.: 3082
 - Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Methanamine, N-methyl-, polymer with 2-(chloromethyl)oxirane)
 - ICAO Hazard Class: 9
 - ICAO Packing Group: III
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SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830
 - Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe
 - The Hazardous Waste (England and Wales) Regulations 2005 apply in the UK
 - This product is covered by EU Directive 2012/18/EU (the Seveso III Directive)
- 15.2 Chemical safety assessment
- A REACH chemical safety assessment has not been carried out
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SECTION 16: Other information

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of PLASTICA'S limited knowledge and belief, accurate, and reliable as of the date of authorisation of this safety data sheet. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to be satisfied as to the suitability and completeness of such information for the product as used.

Sources of data: Information from published literature and supplier safety data sheets

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SECTION 16: Other information (....)

Changes made: N/A New SDS

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Aquatic Chronic 2, H411: Classification based on calculation and concentration thresholds

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- H290: May be corrosive to metals
- H302: Harmful if swallowed
- H318: Causes serious eye damage
- H319: Causes serious eye irritation.
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects
- H411: Toxic to aquatic life with long lasting effects

Acronyms

- CAS: Chemical Abstracts Service
- DNEL: Derived No-Effect Level
- EC: European Community
- EC50: Effective Concentration, 50%
- GHS: Globally Harmonised System
- LC50: Lethal Concentration, 50%
- LD50: Lethal Dose, 50%
- NOAEL: No observed adverse effect level
- NOEC: No observed effect concentration
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- STOT RE: Specific Target Organ Toxicity Repeated Exposure
- STOT SE: Specific Target Organ Toxicity Single Exposure
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

--- end of safety datasheet ---
