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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: Net'Line Cleaning Gel
- Product Part Number: 050

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

- Use of the substance/mixture: Pool / spa treatment, Cleaning agent
- 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.com

1.4 Emergency telephone number

- 09062 655005

SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Skin Corr. 1A, H314, Acute Tox. 4, H302, Acute Tox. 4, H312, Acute Tox. 4, H332
- Classification (67/548/EEC, 1999/45/EC) [CHIP]: C: R34, Xn; R20/21/22
- Additional information: For full text of R-phrases and Hazard- and EU Hazard-statements: see section 16

2.2 Label elements



GHS05



GHS07

- Signal Word: Danger
- Symbols: GHS05, GHS07
- Contains 2-butoxyethanol and phosphoric acid
- Label requirements for the Detergents Regulation (EC 684/2004, 907/2006): 30% and more: anionic surfactants; 15% or over but less than 30%: phosphates; 5% or over but less than 15%: non-ionic surfactants and hydrochloric acid
- Hazard phrases
Causes severe skin burns and eye damage.
Harmful if swallowed, in contact with skin or if inhaled
- Precautionary Phrases
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse

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SECTION 2 Hazards identification (....)

skin with water/shower.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

2.3 Other hazards

- No information available

SECTION 3 Composition/information on ingredients**3.1 Substances****3.2 Mixtures**

- 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve
Concentration: 25-50%
CAS Number: 111-76-2
EC Number: 203-905-0
Categories: Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2, Skin Irrit. 2
R/H Phrases: H332,H312,H302,H319,H315, R20/21/22,R36/38
Symbols: GHS07, Xn
Substance with a Community workplace exposure limit, see Section 8
- phosphoric acid ... %, orthophosphoric acid ... %
Concentration: 10-25%
CAS Number: 7664-38-2
EC Number: 231-633-2
Categories: Skin Corr. 1B
R/H Phrases: H314, R34
Symbols: GHS05, C
Substance with a Community workplace exposure limit, see Section 8
- alcohols, C12-18, ethoxylated and propoxylated
Concentration: 2.5-10%
CAS Number: 69227-21-0
EC Number: 500-242-1
Categories: Eye Irrit. 2
R/H Phrases: H319, R36
Symbols: GHS07, Xi
- silicon dioxide
Concentration: 2.5-10%
CAS Number: 7631-86-9
EC Number: 231-545-4
Categories: None assigned
R/H Phrases: None assigned
Symbols: None assigned
Substance with a Community workplace exposure limit, see Section 8

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SECTION 3 Composition/information on ingredients (....)

- hydrochloric acid ... %
 - Concentration: 2.5-10%
 - CAS Number: 7647-01-0
 - EC Number: 231-595-7
 - Categories: Skin Corr. 1B, STOT SE 3
 - R/H Phrases: H314,H335, R34,R37
 - Symbols: GHS05,GHS07, C
- Substance with a Community workplace exposure limit, see Section 8
-

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 soap and water
 - Get medical advice/attention.
- 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.
 - Get immediate medical advice/attention.
- Ingestion
 - Rinse mouth.
 - Give 200-300mls (half pint) water to drink
 - Do NOT induce vomiting.
 - Get immediate medical advice/attention.
 - Never give anything by mouth to an unconscious person
- Inhalation
 - Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 - If breathing is difficult, oxygen should be given by a trained person
 - When in doubt or symptoms persist, seek medical attention

4.2 Most important symptoms and effects, both acute and delayed

- Causes redness and swelling
- Causes blistering of the skin
- Prolonged skin or eye contact may cause chemical burns
- In cases of severe exposure, delayed pulmonary oedema may develop
- May cause coughing

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
-

SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Unsuitable extinguishing media: high volume water jet

5.2 Special hazards arising from the substance or mixture

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SECTION 5 Fire-fighting measures (....)

- Gives off irritating or toxic fumes (or gases) in a fire.
- Decomposition products may include phosphorous compounds and oxides of carbon

- Decomposition products may include hydrogen chloride
- Decomposition products include chlorine.
- Decomposition products may include phosgene

5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water
 - 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.
-

SECTION 6 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Evacuate the area and keep personnel upwind
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wash thoroughly after dealing with spillage
- Eyewash bottles should be available

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

- Absorb spillage in earth or sand
- Remove contaminated material to safe location for subsequent disposal
- Place in appropriate container
- Seal containers and label them
- Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

SECTION 7 Handling and storage**7.1 Precautions for safe handling**

- Ensure adequate ventilation
- Avoid breathing vapours, mist or gas
- Do not get in eyes, on skin, or on clothing.
- Contaminated work clothing should not be allowed out of the workplace.
- Do not eat, drink or smoke when using this product.
- Eyewash bottles should be available
- Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Store away from other materials.
 - Keep away from food, drink and animal feedingstuffs
 - Keep in an area equipped with impermeable flooring.
 - Keep container tightly closed, in a cool, well ventilated place
 - Protect from frost
 - Protect from sunlight.
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SECTION 7 Handling and storage (....)

- Keep only in original container.
- Do not store in stainless steel or any metal containers.

7.3 Specific end use(s)

- Pool / spa treatment
- Cleaning agent

SECTION 8 Exposure controls/personal protection

8.1 Control parameters

- 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve
(EU) OELV (long term TWA) 20 ppm 98 mg/m³
(EU) OELV (short term limit value) 50 ppm 246 mg/m³
WEL (long term) 25 ppm (UK EH40)
WEL (long term) 123 mg/m³ (UK EH40)
WEL (short term) 50 ppm (UK EH40)
WEL (short term) 246 mg/m³ (UK EH40)
- phosphoric acid ... %, orthophosphoric acid ... %
(EU) OELV (long term TWA) 1 mg/m³
(EU) OELV (short term limit value) 2 mg/m³
WEL (long term) 1 mg/m³ (UK EH40)
WEL (short term) 2 mg/m³ (UK EH40)
- silicon dioxide
WEL (long term) (inhalable aerosol) 6 mg/m³ (UK EH40)
WEL (long term) (respirable aerosol) 2.4 mg/m³ (UK EH40)
- hydrochloric acid ... %
(EU) OELV (long term TWA) 5 ppm 8 mg/m³
(EU) OELV (short term limit value) 10 ppm 15 mg/m³
WEL (long term) 1 ppm (UK EH40)
WEL (long term) 2 mg/m³ (UK EH40)
WEL (short term) 5 ppm (UK EH40)
WEL (short term) 8 mg/m³ (UK EH40)

8.2 Exposure controls

- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
- Keep working clothes separately and do not take them home
- Wear suitable protective clothing, including eye/face protection and gloves (PVC are recommended)
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
- Wear safety glasses approved to standard EN 166.
- When handling this substance, e.g. sampling, wear goggles giving complete eye protection
- Eyewash bottles should be available
- In case of insufficient ventilation, wear suitable respiratory equipment
- Wear suitable filtering half mask respirator approved to standard EN 149



Goggles



Gloves



Boots



Suit



Respirator



No Smoking

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Viscous, Liquid
- Odour: No information available
- pH: 0.5
- Boiling Point/Range: No information available
- Vapour Density: No information available
- Vapour Pressure: No information available
- Melting point/Range: No information available
- Freezing point/Range: No information available
- Viscosity: Viscous
- Flashpoint: No information available
- Evaporation Rate: No information available
- Solubility in water: Completely soluble in water
- Solubility in Fat: No information available
- Partition Coefficient (n-Octanol/Water): No information available
- Explosive Properties: No information available
- Oxidising Properties: No information available

9.2 Other information

- No information available
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SECTION 10 Stability and reactivity

10.1 Reactivity

- No hazardous reactions known if used for its intended purpose

10.2 Chemical stability

- No decomposition if stored normally.

10.3 Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Keep away from heat and sources of ignition
- Protect from sunlight.

10.5 Incompatible materials

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

10.6 Hazardous Decomposition Products

- Decomposition products may include phosphorous compounds and oxides of carbon
 - Decomposition products include chlorine.
 - Decomposition products may include hydrogen chloride
 - Decomposition products may include phosgene
-

SECTION 11 Toxicological information

11.1 Information on toxicological effects

Acute Toxicity

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SECTION 11 Toxicological information (....)

- No experimental test data available for the mixture
 - LD50 (oral,rat) (2-butoxyethanol) 470 mg/kg
 - LD50 (dermal,rabbit) (2-butoxyethanol) 220 mg/kg
 - LC50 (inhalation, rat) (2-butoxyethanol) 2.17 mg/l/4h
 - LD50 (oral,rat) (phosphoric acid) 1530 mg/kg
 - LD50 (dermal,rabbit) (phosphoric acid) 2740 mg/kg
- Skin corrosion/irritation
- Causes severe skin burns
 - Classed as corrosive on the basis of pH
- Serious eye damage/irritation
- Causes burns
 - Causes serious eye damage.
- Respiratory or skin sensitisation
- No information available
- Germ cell mutagenicity
- No information available
- Carcinogenicity
- No information available
- Reproductive toxicity
- No information available
- Specific target organ toxicity (STOT) - single exposure
- No information available
- Specific target organ toxicity (STOT) - repeated exposure
- No information available
- Aspiration hazard
- No information available
- Contact with eyes
- Causes burns
 - Causes redness and swelling
 - May cause severe damage with formation of corneal ulcers and permanent impairment of vision.
- Contact with skin
- May cause severe burns with permanent skin damage which are slow to heal.
 - Prolonged skin contact will result in defatting of the skin, leading to irritation, and in some cases, dermatitis
 - May be harmful if absorbed through skin
- Inhalation
- Effect may vary from irritation of the nasal mucous membrane to severe lung irritation.
- Ingestion
- Causes damage and corrosion of the gastrointestinal tract.
 - Can cause damage to the stomach lining
-

SECTION 12 Ecological information
12.1 Ecotoxicity

- 2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve
 - LC50 (fish) 1395-1575 mg/l (96 hr)
 - LC50 (crustaceans) 800 mg/l (48 hr)
- phosphoric acid ... %, orthophosphoric acid ... %
 - LC50 (fish) 138 mg/l (96 hr)

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SECTION 12 Ecological information (....)

- alcohols, C12-18, ethoxylated and propoxylated
LC50 (fish) 0.1-1 mg/l (96 hr)
- hydrochloric acid ... %
LC50 (crustaceans) 240-260 mg/l (48 hr)

12.2 Persistence and degradability

- The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulation Potential

- Bioaccumulation is not expected

12.4 Mobility in soil

- Large volumes may penetrate soil and contaminate groundwater

12.5 Results of PBT and vPvB assessment

- No information available

12.6 Other Adverse Effects

- No information available
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- 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
- To be disposed of as hazardous waste

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)
-

SECTION 14 Transport information



Corrosive

14.1 UN Number

- UN No.: 3265

14.2 UN Proper Shipping Name

- Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(phosphoric acid and hydrochloric acid)

14.3 Transport hazard class(es)

- Hazard Class: 8

14.4 Packing group

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SECTION 14 Transport information (....)

- Packing Group: II
- 14.5 Environmental hazards
 - No information available
- 14.6 Special precautions for user
 - No information available
- 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code
 - Not applicable
- 14.8 Road/Rail (ADR/RID)
 - Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (phosphoric acid and hydrochloric acid)
 - ADR UN No.: 3265
 - ADR Hazard Class: 8
 - ADR Packing Group: II
 - Tunnel Code: E
- 14.9 Sea (IMDG)
 - Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (phosphoric acid and hydrochloric acid)
 - IMDG UN No.: 3265
 - IMDG Hazard Class: 8
 - IMDG Pack Group.: II
- 14.10 Air (ICAO/IATA)
 - Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (phosphoric acid and hydrochloric acid)
 - ICAO UN No.: 3265
 - ICAO Hazard Class: 8
 - ICAO Packing Group: II

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 the EC Directive 1907/2006-453/2010
 - The Hazardous Waste (England and Wales) Regulations 2005 apply in the UK
 - Label requirements for the Detergents Regulation (EC 684/2004, 907/2006): 30% and more: anionic surfactants; 15% or over but less than 30%: phosphates; 5% or over but less than 15%: non-ionic surfactants and hydrochloric acid
- 15.2 Chemical Safety Assessment
 - No information available

SECTION 16 Other information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- H302: Harmful if swallowed. H312: Harmful in contact with skin. H314: Causes severe skin burns and eye damage. H315: Causes skin irritation. H319: Causes serious eye irritation. H332: Harmful if inhaled. H335: May cause respiratory irritation. R20/21/22: Harmful by inhalation, in contact with skin and if swallowed. R34: Causes burns. R36: Irritating to eyes. R36/38: Irritating to eyes and skin. R37: Irritating to respiratory system.

This information relates only to the specific material designated and may not be valid for such

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SECTION 16 Other information (....)

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.

**INFORMATION ON INGREDIENTS AS REQUIRED BY THE DETERGENTS
REGULATION (EC) NO. 648/2004**

CONC. OF INGREDIENT	CHEMICAL NAME	INCI NAME	PH.EUR. NAME	CAS NO.
10% or more	Water	Aqua	Aqua	7732-18-5
10% or more	2-butoxyethanol	Butoxyethanol	-	111-76-2
10% or more	Orthophosphoric acid	Phosphoric acid	Acidum phosphoricum	7664-38-2
1% or over, but less than 10%	Alcohols C12-18 ethoxylated and propoxylated	-	-	69227-21-0
1% or over, but less than 10%	Silicon dioxide	Silica	-	7631-86-9
1% or over, but less than 10%	Hydrochloric acid	Hydrochloric acid	Acidum hydrochloricum	7647-01-0

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