



SAFETY DATA SHEET

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

1.1 Product identifier

Product Name: **Low Foaming Filter Cleaner**
 Datasheet Number: SP612b 1.4.0
 Product Part Number: SP612

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

Pool / spa treatment

1.3 Details of the supplier of the safety data sheet

Name of Supplier: Total Pool Chemicals Ltd
 Address of Supplier: Unit 1, Pool Bank Business Park
 High Street, Tarvin
 Chester CH3 8JH
 UK
 Telephone: +44 (0)1829 740290
 Fax: +44 (0)1829 741855
 Responsible Person: Steve Carder
 Email: sales@totalpool.co.uk

1.4 Emergency telephone number

+44 (0)1829 740290 (Office Hours)

2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]
- Classification (67/548/EEC, 1999/45/EC)
- Not classified as hazardous for supply

2.2 Label elements

2.3 Other hazards

- Mildly irritating to skin and eyes
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3 Composition/information on ingredients

3.1 Mixtures

Chemical Name	Concentration	CAS Number	EC Number	R/H Phrases*	Symbols	Index No.
2 Butoxy Ethanol	1-10%	111-76-2	203-905-0	H302, H312, H315, H319, H332 R20/21/22, R36/38	GHS07 Xn	603-014-00-0
Disodium Metasilicate	1-10%	6834-92-0	229-912-9	H314, H335, R34, R37	GHS05, GHS07, C, Xi	



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

Triethanolamine	1-10%	102-71-6	203-049-8	H315, H319 H335 R36/37/38	GHS07 Xi	
Tetra-sodium Ethylenediamine Tetra-acetate	1-10%	64-02-8	200-573-9	H302, H318 R22, R41	GHS05, GHS07 Xn	607-428-00-2

*See Section 16

4 First aid measures

4.1 Description of first aid measures

- IF ON SKIN: Wash with plenty of soap and water.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- May cause redness and irritation

4.3 Indication of immediate medical attention and special treatment needed

- Treat symptomatically

5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: use water, alcohol resistant foam or dry agent for extinction

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

- Wear protective clothing as per section 8

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Do not allow to enter public sewers and watercourses

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 inert material and shovel up
- Contain leaking liquid in earth or sand and remove to safe place when solid
- Place in appropriate container



6 Accidental release measures (....)

6.4 Reference to other sections

- See Section 7 & 8

7 Handling and storage

7.1 Precautions for safe handling

- Ensure adequate ventilation
- Avoid contact with skin and eyes.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Store in a well-ventilated place. Keep cool.
- Keep container tightly closed.

7.3 Specific end use(s)

- No information available.

8 Exposure controls/personal protection

8.1 Control parameters

2 Butoxy Ethanol

- WEL (long term) 25 ppm
- WEL (short term) 50 ppm

Disodium Metasilicate

- WEL (short term) 0.5 ppm
- WEL (short term) 1.0 mg/m³

8.2 Exposure controls

- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines

Occupational exposure controls

- When handling this substance, e.g. sampling, wear goggles giving complete eye protection
- Wear plastic or rubber gloves
- Wear apron or other light protective clothing



Goggles



Gloves



Suit

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Odour: Perceptible odour
- Appearance: Liquid, colourless
- pH 12-12.5



9 Physical and chemical properties (....)

- Boiling point 100 °C to 170 °C
- Vapour pressure 1.3mbar at 20 deg C
- Vapour density - not applicable
- Melting point 0 °C
- Completely soluble in water
- Specific gravity 1.050 g/cm³
- Lower flammability limit 1.1%(in air), Upper flammability limit 10.6%(in air)
- Auto-ignition point >245 deg C
- Partition coefficient : n-Octanol/water - not known
- Evaporation rate - slow

9 .2 Other information

- No information available

10 Stability and reactivity

10 .1 Reactivity

- No information available

10 .2 Chemical stability

- No decomposition if stored normally.

10 .3 Possibility of hazardous reactions

- No information available

10 .4 Conditions to avoid

- Avoid overheating

10 .5 Incompatible materials

- Incompatible with acid
- Incompatible with strong oxidizing substances

10 .6 Hazardous Decomposition Products

- Decomposition products may include toxic fumes

11 Toxicological information

11 .1 Information on toxicological effects

- LD50 (oral, rat) 1480 (2 butoxyethanol) mg/kg
- LD50 (oral, rat) >2000 (Triethanolamine) mg/kg
- LD50 (oral, rat) 1153 (Disodium metasilicate) mg/kg
- LD50 (oral, rat) 3030 (Tetra-sodium ethylenediamine tetra-acetate) mg/kg

Inhalation

- May cause irritation

Contact with skin

- May cause irritation

Contact with eyes

- May cause redness and irritation



11 Toxicological information (....)

Ingestion

- May cause irritation

Carcinogenicity

- No evidence of carcinogenic effects

Teratogenicity

- No information available

Mutagenicity

- No information available
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12 Ecological information

12.1 Toxicity

- LC50 (fish) 1575 (2 butoxyethanol) mg/l (96 hr)
- LC50 (fish) >5000 (Triethanolamine) mg/l (96 hr)
- EC50 (daphnia) 1390 (Triethanolamine) mg/l (48 hr)
- LC50 (Fathead minnow) 100 (Tetra-sodium ethylenediamine tetra-acetate) mg/l (96hr)

12.2 Persistence and degradability

- Biodegradable
- The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3 Bioaccumulation Potential

- Bioaccumulation is insignificant

12.4 Mobility in soil

- Completely soluble in water
- This substance is volatile

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
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13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation

Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
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14 Transport information

14.1 UN Number

14.2 UN Proper Shipping Name
N/A

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

- Presents little or no hazard to the environment

14.6 Special precautions for user

- See Section 7

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

- Not applicable

Other information

Road/Rail (ADR/RID)

Proper Shipping Name: N/A
ADR Hazard Class:
Tunnel Code:

ADR UN No.:
ADR Packing Group:

Sea (IMDG)

Proper Shipping Name: N/A
IMDG Hazard Class.:

IMDG UN No.:
IMDG Pack Group.:

Air (ICAO/IATA)

Proper Shipping Name: N/A
ICAO Hazard Class.:

ICAO Un No.:
ICAO Packing Group.:

15 Regulatory information

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

- Refer to current ADR Regulations
- Refer to current CPL Regulations
- Refer to current EC Directive 82/501/EEC (the Seveso Directive)
- The List of Wastes (England) Regulations 2005 apply in the UK

15.2 Chemical Safety Assessment

16 Other information

Text of R and S phrase codes used 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.; H318: Causes serious eye damage.; 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; R22: Harmful if swallowed; R34: Causes burns; R36/37/38: Irritating to eyes, respiratory system and skin; R36/38: Irritating to eyes and skin; R37: Irritating to respiratory system; R41: Risk of serious damage to eyes.



16 Other information (....)

The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.