
SAFETY DATA SHEET

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

1.1 Product identifier

- Datasheet Number: SP935 Version 2.0.0
- Product Name: Spa & Hot Tub Pipe Cleaner

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

- Use of the substance/mixture: Water based hard surface cleaner
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Total Pool Chemicals Ltd
- Address of Supplier: Unit 1-5 , Pool Bank Business Park
High Street, Tarvin
Chester
UK
CH3 8JH
- Telephone: +44 (0)1829 740290
- Email: sales@totalpool.co.uk

1.4 Emergency telephone number

- +44 (0)1829 740290 (Office Hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not classified
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

2.2 Label elements

Hazard pictograms: None

Signal Word: None

Hazard statements

None

Precautionary statements

None

Supplemental Hazard information (EU)

Label requirements for the Detergents Regulation (EC 684/2004, 907/2006): Contains amongst other ingredients, < 5% EDTA and salts, non-ionic surfactants, cationic surfactants, amphoteric surfactants, disinfectants (benzalkonium chloride), perfumes

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII
- Does not contain any substances with endocrine disrupting properties

SECTION 3: Composition/information on ingredients

3.1 Substances

- Not applicable

3.2 Mixtures

- Contains the following hazardous ingredients or ingredients with a workplace exposure limit:

Chemical Name	Conc.	CAS No.	EC No.	Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]	SCL/ M-Factor/ ATE	REACH Registration Number	WEL/ OEL
(2-methoxymethylethoxy) propanol	1 - 10%	34590-94-8	252-104-2	Not classified	-	01-2119450011-60-XXXX	Yes
2,2',2"-nitrilotriethanol; Triethanolamine	1 -10%	102-71-6	203-049-8	Not classified	-	01-2119486482-31-XXXX	No
Benzyl-C12-14 -alkyldimethylammonium chlorides	< 1%	68424-85-1	939-350-2	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M factor (Acute) = 10 M factor (Chronic) = 1	01-2119970550-39-XXXX	No
Sodium carbonate	< 1%	497-19-8	207-838-8	Eye Irrit. 2, H319	-	-	No
Tetrasodium ethylene diamine tetraacetate	< 1%	64-02-8	200-573-9	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 Acute Tox. 4, H332 STOT RE 2, H373	-	01-2119486762-27-XXXX	No
Betaines, C12-14 (even numbered)-alkyldimethyl	< 1%	66455-29-6	931-700-2	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412	-	01-2119529251-48-XXXX	No

SECTION 4: First aid measures

Rescuers should put on approved personal protective equipment (PPE) before administering first aid

Rescuers should take suitable precautions to avoid becoming casualties themselves

4.1 Description of first aid measures

Contact with eyes

If substance has got into eyes, immediately wash out with plenty of water for several 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.

Contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water
Contaminated clothing should be laundered before reuse
If skin irritation occurs: Get medical advice/attention.

Ingestion

Rinse mouth with water (do not swallow)
Give plenty of water to drink
Do NOT induce vomiting.
IF exposed or concerned: Get medical advice/attention.

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.



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

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 gastro-intestinal irritation

May cause nausea/vomiting

Inhalation

No hazard expected under normal conditions of use

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Suitable extinguishing media: In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide
- Unsuitable extinguishing media: No information available

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

- Keep container(s) exposed to fire cool, by spraying with water
- Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
- Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.

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

- No action shall be taken involving any personal risk or without suitable training
- Only trained and authorised personnel should carry out emergency response
- Personal precautions for non-emergency personnel: Do not touch or walk through spilt material; Avoid contact with skin and eyes; Wash thoroughly after handling.
- Personal precautions for emergency responders: Evacuate the area and keep personnel upwind; Wear self-contained breathing apparatus (SCBA); Wear suitable protective clothing, eye/face protection and gloves; PVC or nitrile rubber are recommended

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

SECTION 6: Accidental release measures (....)

- Small spills
 - Wash to waste with plenty of water
- Large spills
 - Contain the spillage using bunding
 - Cover drains to prevent the product from entering the environment.
 - Absorb spillage in inert material and shovel up
 - Place in appropriate container
 - Seal containers and label them
 - Remove contaminated material to safe location for subsequent disposal
 - Seek expert advice for removal and disposal of all contaminated materials and wastes
 - Flush spill area with copious amounts of water

6.4 Reference to other sections

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

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Use only in well ventilated areas
- Avoid formation of spray/mist/aerosols
- Avoid contact with skin and eyes
- Avoid breathing vapours or spray
- Wear protective clothing as per section 8
- Do not eat, drink or smoke when using this product.
- Use good personal hygiene practices
- Wash thoroughly after handling.
- Eyewash bottles should be available
- Contaminated clothing should be laundered before reuse

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Keep container tightly closed.
- Avoid extremes of temperature
- Keep away from food, drink and animal feedingstuffs
- Incompatible with oxidizing agents, nitrosating agents, strong bases, acids, acid forming substances, acid chlorides, halogenated compounds
- Storage containers should not be made from aluminum, copper, galvanized iron, galvanized steel

7.3 Specific end use(s)

- Cleaning agent

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace exposure - Measurement of exposure by inhalation to chemical agents - Strategy for testing compliance with occupational exposure limit values). European Standard EN 14042 (Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents). European Standard EN 482 (Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents). Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

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

(2-methoxymethylethoxy) propanol

(EU) OELV (long term TWA) 50 ppm 308 mg/m³
 WEL (long term) 50 ppm 308 mg/m³ (UK, can be absorbed through the skin)
 DNEL (inhalational) 308 mg/m³ Industry, Long Term, Systemic Effects
 DNEL (dermal) 283 mg/kg (bw/day) Industry, Long Term, Systemic Effects
 DNEL (inhalational) 37.2 mg/m³ Consumer, Long Term, Systemic Effects
 DNEL (dermal) 121 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 DNEL (oral) 36 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 PNEC aqua (freshwater) 19 mg/L
 PNEC aqua (intermittent releases, freshwater) 190 mg/L
 PNEC aqua (marine water) 1.9 mg/L
 PNEC (STP) 4.168 g/L
 PNEC sediment (freshwater) 70.2 mg/kg
 PNEC sediment (marine water) 7.02 mg/kg
 PNEC terrestrial (soil) 2.74 mg/kg

2,2',2"-nitrilotriethanol

DNEL (inhalational) 1 mg/m³ Industry, Long Term, Local Effects
 DNEL (dermal) 7.5 mg/kg (bw/day) Industry, Long Term, Systemic Effects
 DNEL (dermal) 140 µg/cm² Industry, Long Term, Local Effects
 DNEL (inhalational) 400 µg/m³ Consumer, Long Term, Local Effects
 DNEL (dermal) 2.66 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 DNEL (dermal) 70 µg/cm² Consumer, Long Term, Local Effects
 DNEL (oral) 3.3 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 PNEC aqua (freshwater) 320 µg/L
 PNEC aqua (intermittent releases, freshwater) 5.12 mg/L
 PNEC aqua (marine water) 32 µg/L
 PNEC (STP) 10 mg/L
 PNEC sediment (freshwater) 1.7 mg/kg
 PNEC sediment (marine water) 170 µg/kg
 PNEC terrestrial (soil) 151 µg/kg

Benzyl-C12-14-alkyldimethylammonium chlorides

DNEL (inhalational) 3.06 mg/m³ Industry, Long Term, Systemic Effects
 DNEL (dermal) 3.1 mg/kg (bw/day) Industry, Long Term, Systemic Effects
 DNEL (inhalational) 1.64 mg/m³ Consumer, Long Term, Systemic Effects
 DNEL (dermal) 3.4 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 DNEL (oral) 3.4 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 PNEC aqua (freshwater) 120 - 900 ng/L
 PNEC aqua (intermittent releases, freshwater) 160 ng/L
 PNEC aqua (marine water) 12 - 960 ng/L
 PNEC aqua (intermittent releases, marine water) 16 ng/L
 PNEC (STP) 160 - 400 µg/L
 PNEC sediment (freshwater) 12.27 - 31.9 mg/kg
 PNEC sediment (marine water) 3.19 - 13.09 mg/kg
 PNEC terrestrial (soil) 6.38 - 7 mg/kg

Sodium carbonate

DNEL (inhalational) 10 mg/m³ Industry, Long Term, Local Effects
 DNEL (inhalational) 10 mg/m³ Consumer, Long Term, Local Effects
 DNEL (inhalational) 10 mg/m³ Consumer, Acute/Short Term, Local Effects

Tetrasodium ethylene diamine tetraacetate

DNEL (inhalational) 1.5 mg/m³ Industry, Long Term, Local Effects
 DNEL (inhalational) 3 mg/m³ Industry, Acute/Short Term, Local Effects
 DNEL (inhalational) 600 µg/m³ Consumer, Long Term, Local Effects
 DNEL (inhalational) 1.2 mg/m³ Consumer, Acute/Short Term, Local Effects
 DNEL (oral) 25 mg/kg (bw/day) Consumer, Long Term, Systemic Effects
 PNEC aqua (freshwater) 2.2 mg/L
 PNEC aqua (intermittent releases, freshwater) 1.2 mg/L
 PNEC aqua (marine water) 220 µg/L
 PNEC (STP) 43 mg/L

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

PNEC terrestrial (soil) 720 µg/kg

Betaines, C12-14 (even numbered)-alkyldimethyl

DNEL (inhalational) 822 µg/m³ Industry, Long Term, Systemic Effects
 DNEL (inhalational) 3.53 mg/m³ Industry, Long Term, Local Effects
 DNEL (dermal) 233 µg/kg (bw/day) Industry, Long Term, Systemic Effects
 DNEL (dermal) 60 µg/cm² Industry, Long Term, Local Effects
 DNEL (inhalational) 145 µg/m³ Consumer, Long Term, Systemic Effects
 DNEL (inhalational) 870 µg/m³ Consumer, Long Term, Local Effects
 DNEL (dermal) 83.3 µg/kg (bw/day) Consumer, Long Term, Systemic Effects
 DNEL (dermal) 30 µg/cm² Consumer, Long Term, Local Effects
 DNEL (oral) 83.3 µg/kg (bw/day) Consumer, Long Term, Systemic Effects
 PNEC aqua (freshwater) 7.6 µg/L
 PNEC aqua (intermittent releases, freshwater) 17 µg/L
 PNEC aqua (marine water) 760 ng/L
 PNEC (STP) 2.7 mg/L
 PNEC sediment (freshwater) 27.9 µg/kg
 PNEC sediment (marine water) 2.79 µg/kg
 PNEC terrestrial (soil) 10 mg/kg

8.2 Exposure controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
- Engineering controls
 - Ensure adequate ventilation
 - Engineering controls are not required for normal handling
- Respiratory protection
 - No respiratory protection is needed during normal handling
 - Respiratory protection may be required under exceptional circumstances when excessive air contamination exists
- Eye/face protection
 - Wear safety glasses approved to standard EN 166.
- Skin protection
 - Wear suitable protective clothing
 - 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.
 - PVC or nitrile rubber are recommended
- Thermal hazards
 - Not applicable
- Hygiene measures
 - Do not eat, drink or smoke when using this product.
 - Use good personal hygiene practices
 - Wash thoroughly after handling.
 - Eyewash bottles should be available
 - Contaminated work clothing should not be allowed out of the workplace.
 - Contaminated clothing should be laundered before reuse
- Environmental exposure controls
 - Do not empty into drains
 - Do not allow to penetrate the ground/soil.



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Liquid
- Colour: Purple
- Odour: No information available
- Melting point/freezing point: 0 °C
- Boiling point or initial boiling point and boiling range: 100 °C
- Flammability: Not flammable; Does not support combustion
- Lower and upper explosion limit: Not applicable
- Flash point: Not applicable
- Auto-ignition temperature: No information available
- Decomposition temperature: No information available
- pH: 11 - 11.5
- Kinematic viscosity: Not applicable
- Solubility: Completely soluble in water
- Partition coefficient n-octanol/water (log value): No information available
- Vapour pressure: No information available
- Density and/or relative density: 1.010
- Relative vapour density: No information available
- Particle characteristics: Not applicable

9.2 Other information

- No information available
-

SECTION 10: Stability and reactivity

10.1 Reactivity

- No information available

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- No information available

10.4 Conditions to avoid

- Avoid extremes of temperature
- Keep away from heat and sources of ignition

10.5 Incompatible materials

- Incompatible with oxidizing agents, nitrosating agents, strong bases, acids, acid forming substances, acid chlorides, halogenated compounds

10.6 Hazardous decomposition products

- Decomposition products may include nitrogen and carbon oxides
-

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

- Acute Toxicity
Based on available data, the classification criteria are not met
-

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SECTION 11: Toxicological information (....)

Substances

Chemical Name	LD ₅₀ (oral, rat)	LC ₅₀ (inhalation, rat)	LD ₅₀ (dermal, rabbit)
(2-methoxymethylethoxy) propanol	5 000 mg/kg	LC ₀ (7 h) 275 ppm	9 510 mg/kg
2,2',2"-nitrioltriethanol	6 400 mg/kg	No data available	2 000 mg/kg
Benzyl-C12-14 -alkyldimethylammonium chlorides	344 - 795 mg/kg	(4 h) 220 - 280 mg/m ³	3 000 - 3 412.5 mg/kg
Sodium carbonate	2 800 mg/kg	(2 h) 2.3 mg/L	2 000 mg/kg
Tetrasodium ethylene diamine tetraacetate	1 780 - 2 000 mg/kg	No data available	No data available
Betaines, C12-14 (even numbered)-alkyldimethyl	2 640 - 8 800 mg/kg (mouse)	No data available	620 - 2 000 mg/kg (rat)

- 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

Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
(2-methoxymethylethoxy) propanol	No data available	18 184.05 mg/m ³	No data available
2,2',2"-nitrioltriethanol	1 333 mg/kg bw/day	No data available	250 mg/kg bw/day

- Reproductive toxicity
No evidence of reproductive effects

Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
2,2',2"-nitrioltriethanol	1 000 mg/kg bw/day (Effect on fertility) 300 mg/kg bw/day (Effect on developmental toxicity)	No data available	No data available
Benzyl-C12-14 -alkyldimethylammonium chlorides	30.5 mg/kg bw/day (Effect on fertility) 100 mg/kg bw/day (Effect on developmental toxicity)	No data available	No data available
Betaines, C12-14 (even numbered)-alkyldimethyl	150 mg/kg bw/day (Effect on fertility) 1 000 mg/kg bw/day (Effect on developmental toxicity)	No data available	No data available

- 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

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SECTION 11: Toxicological information (....)

Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
(2-methoxymethylethoxy) propanol	200 - 1 000 mg/kg bw/day	1 232 mg/m ³	1 000 mg/kg bw/day
2,2',2''-nitritotriethanol	1 000 mg/kg bw/day	20 - 500 mg/m ³	125 - 500 mg/kg
Benzyl-C12-14 -alkyldimethylammonium chlorides	62 - 77 mg/kg bw/day	No data available	20 mg/kg bw/day
Sodium carbonate	No data available	No data available	No data available
Tetrasodium ethylene diamine tetraacetate	500 mg/kg bw/day	3 - 15 mg/m ³	No data available
Betaines, C12-14 (even numbered)-alkyldimethyl	10 - 500 mg/kg bw/day	No data available	No data available

- 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 gastro-intestinal irritation
May cause nausea/vomiting
- Inhalation
No hazard expected under normal conditions of use

11.2 Information on other hazards

- Does not contain any substances with endocrine disrupting properties

SECTION 12: Ecological information

12.1 Toxicity

- Based on available data, the classification criteria are not met

Substances

Chemical Name	LC ₅₀ (fish)	EC ₅₀ (aquatic invertebrates)	EC ₅₀ (aquatic algae)
(2-methoxymethylethoxy) propanol	(4 days) 1 - 10 g/L	LC ₅₀ (48 h) 1 - 1.919 g/L	(72 h) 969 mg/L
2,2',2''-nitritotriethanol	(4 days) 11.8 g/L	(48 h) 609.88 mg/L	(72 h) 216 - 512 mg/L
Benzyl-C12-14 -alkyldimethylammonium chlorides	280 - 1 700 µg/L	(48 h) 16 µg/L	(72 h) 14 - 260 µg/L
Sodium carbonate	(4 days) 300 mg/L	(48 h) 200 - 227 mg/L	No data available
Tetrasodium ethylene diamine tetraacetate	(4 days) 41 - 1 592 mg/L	(48 h) 140 mg/L	(72 h) 2.77 - 1 000 mg/L
Betaines, C12-14 (even numbered)-alkyldimethyl	(4 days) 4.44 - 14.8 mg/L	(48 h) 7.76 mg/L	(72 h) 1.7 mg/L

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.

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SECTION 12: Ecological information (....)

Substances

Chemical Name	Biodegradation
(2-methoxymethylethoxy) propanol	Readily biodegradable in water (100%)
2,2',2"-nitrilotriethanol	Readily biodegradable in water (100%)
Benzyl-C12-14 -alkyldimethylammonium chlorides	Readily biodegradable in freshwater (100%)
Tetrasodium ethylene diamine tetraacetate	EDTA is not readily biodegradable according to OECD criteria, but is ultimately biodegradable under special environmental conditions e.g. slightly alkaline pH
Betaines, C12-14 (even numbered)-alkyldimethyl	Readily biodegradable in water (100%)

12.3 Bioaccumulative potential

- Low bioaccumulation potential

Substances

Chemical Name	Bioconcentration Factor (BCF)	Log Kow
(2-methoxymethylethoxy) propanol	Low potential for bioaccumulation (Log Kow < 3)	< 1
2,2',2"-nitrilotriethanol	3.9 L/kg	-2.3 at pH 7.1
Benzyl-C12-14 -alkyldimethylammonium chlorides	67.62 L/kg	(Log Pow) -0.21 - 2.75
Tetrasodium ethylene diamine tetraacetate	No data available	No data available
Betaines, C12-14 (even numbered)-alkyldimethyl	Significant bioaccumulation is not expected	(Log Pow) -0.4

12.4 Mobility in soil

- Soluble in water
- May absorb onto soils and sediments

Substances

Chemical Name	Adsorption/desorption
(2-methoxymethylethoxy) propanol	Low potential for adsorption (Log Kow < 1)
2,2',2"-nitrilotriethanol	Koc 1 979 - 4 489 dimensionless @ 25 °C Log Koc 3.3 - 3.65 dimensionless @ 25 °C
Benzyl-C12-14 -alkyldimethylammonium chlorides	Koc 2 658 608
Tetrasodium ethylene diamine tetraacetate	Due to the ionic structure, no adsorption onto the organic fraction of soil or sediments is expected
Betaines, C12-14 (even numbered)-alkyldimethyl	Koc 0.7

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 Endocrine disrupting properties

- No information available

12.7 Other adverse effects

- No information available

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
- Do not pierce or burn container, even after use

13.2 Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
 - Hazardous Property Code(s): None assigned
-

SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number or ID number

- UN No.: Not applicable

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

14.5 Environmental hazards

- Not applicable

14.6 Special precautions for user

- No information available

14.7 Maritime transport in bulk according to IMO instruments

- Not applicable

14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

14.9 Sea (IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable

14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO UN No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

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) 2020/878) and UK REACH
- The GB Classification, Labelling and Packaging Regulation (GB CLP) applies in Great Britain
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe
- Label requirements for the Detergents Regulation (EC 684/2004, 907/2006): Contains amongst other ingredients, < 5% EDTA and salts, non-ionic surfactants, cationic surfactants, amphoteric surfactants, disinfectants (benzalkonium chloride), perfumes

15.2 Chemical safety assessment

- No information available
-

SECTION 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.

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

Revision No. 2.0.0. Revised April 2021.

Changes made: Updated and revised to conform to latest version of REACH Annex II

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

- Not classified as hazardous for supply

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

- H302: Harmful if swallowed
- 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
- H373: May cause damage to organs through prolonged or repeated exposure
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects
- H412: Harmful to aquatic life with long lasting effects

Acronyms

- ATE: Acute Toxicity Estimate
- 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%
- NOAEC: No observed adverse effect concentration
- NOAEL: No observed adverse effect level
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- PNEC: Predicted No-Effect Concentration



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SECTION 16: Other information (....)

- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- SCL: Specific Concentration Limit
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

--- end of safety datasheet ---
