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

1.1 Product identifier

Trade Name: SYR Antibacterial Scrub Clean Solution

Contains:

- Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1).
- Glutaraldehyde
- Didecyldimethylammonium chloride
- 2-Butoxyethanol

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

For trade, professional and industrial surface cleaning and disinfecting.

1.3 Details of the supplier of the safety data sheet

Scot Young research Ltd
Lye-by-Pass
Lye
Stourbridge
West Midlands
DY9 8HG
United Kingdom

Telephone number: +44(0)1384 892021
Fax: +44 (0)1384 421675
E-mail address: info@syrcclean.com

1.4 Emergency telephone number

Emergency telephone number: +44(0)1384 892021

NOTE: This number is only available during the following office hours: **0900 to 1700 Monday to Thursday; 0900 to 1500 Friday.**

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Skin Corrosion 1B; H314
Skin Sensitiser 1; H317
Acute Toxicity 4; H302
STOT – Single Exposure 3; H335
Aquatic Acute 1; H400

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2.1.2 Classification according to Directive 1999/45/EC

Harmful; Xn; R22

Irritant; Xi; R37/38, R41, R43




Dangerous for the Environment; N; R50

2.1.3 Additional information

For full text of R-phrases and Hazard- and EU Hazard- statements: See SECTION 16

2.2 Label elements

2.2.1 Labelling according to Regulation (EC) No 1272/2008 (CLP)

Pictograms			
Signal Word	Danger		
Hazard Statements	H314	Causes severe skin burns and eye damage.	
	H317	May cause an allergic skin reaction.	
	H302	Harmful if swallowed.	
	H335	May cause respiratory irritation.	
	H400	Very toxic to aquatic life.	
Precautionary Statements	P261	Avoid breathing dust/fume/gas/mist/vapours/spray.	
	P270	Do not eat, drink or smoke when using this product.	
	P280	Wear protective gloves/protective clothing/eye protection/face protection.	
	P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
	P310	Immediately call a POISON CENTER or doctor/physician.	
	P302 + P352	IF ON SKIN: Wash with plenty of soap and water.	
	P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.	
	P301 + P312, P330	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. Rinse Mouth.	
	P272	Contaminated work clothing should not be allowed out of the workplace.	
	P363	Wash contaminated clothing before reuse.	
	P273	Avoid release to the environment.	
	P391	Collect spillage.	
	P501	Dispose of contents/container in accordance with local/regional/national regulation.	

2.2.2 Labelling according to Directive 1999/45/EC

See SECTION 16.

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2.3 Other hazards

This mixture does not contain any substances that are assessed to be PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description of the mixture:

A mixture of detergents, surfactants, biocides, glycol ether and alcohol solvents in water.

Hazardous ingredients:

CAS No.	EC No.	Index No.	REACH Registration No.	% (weight)	Name	Classification according to Regulation (EC) No. 1278/2008 (CLP)	Classification according to 67/548/EEC
111-76-2	203-905-0	603-014-00-0	01-2119475108-36-xxxx	5 - 10	2-Butoxyethanol	Acute Tox. 4; H302, H312, H332. Skin Irrit. 2; H315. Eye Irrit. 2; H319.	Xn; R20/21/22. Xi; R36/38.
7173-51-5	230-525-2	612-131-00-6	01-2119945987-15-xxxx	5 - 10	Didecyldimethylammonium chloride	Acute Tox. 4; H302. Skin Corr. 1B; H314. Aquatic Acute 1; H400.	Xn; R22. C; R34. N; R50.
61789-40-0	263-058-8	N/A	N/A	5 - 10	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Skin Irrit. 2; H315. Eye Dam. 1; H318. Aquatic Acute 1; H400	Xi; R41.
67-63-0	200-661-7	603-117-00-0	01-2119457558-25-xxxx	1 - 5	Isopropyl alcohol	Flam. Liq. 2; H225. Eye Irrit. 2; H319. STOT SE 3; H336	F; R11. Xi; R36. R67.
68334-21-4	269-819-0	N/A	N/A	1 - 5	Imidazolium compounds, 1-(carboxymethyl)-4,5-dihydro-1-(hydroxyethyl)-2-norcoco alkyl, hydroxides, inner salts	Eye Irrit. 2; H319.	Xi; R36.
68439-	N/A	N/A	N/A	1 - 5	Alcohol ethoxylate	Acute Tox. 4;	Xn; R22.

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45-2						H302. Eye Dam. 1; H318.	Xi; R41.
52-51-7	200-143-0	603-085-00-8	01-2119980938-15-0000	1 - 5	2-bromo-2-nitropropane-1,3-diol	Acute Tox. 4; H302, H315. Skin Irrit. 2; H315. Eye Dam. 1; H318. STOT SE 3; H335. Aquatic Acute 1; H400 (M=10).	Xn; R21/22. Xi; R37/38, R41. N; R50 (SCL ≥ 2.5%)
68650-39-5	272-043-5	N/A	N/A	1 - 5	Imidazolium compounds, 1-[2-(carboxymethoxy)ethyl]-1-(carboxymethyl)-4,5-dihydro-2-norcoco alkyl, hydroxides, sodium salts	Skin Irrit. 2; H315. Eye Irrit 2; H319	Xi: R36/38.
1300-72-7	215-090-9	N/A	01-2119513350-56-xxxx	1 - 5	Sodium xylenesulphonate	Eye Irrit 2; H319	Xi; R36
111-30-8	203-856-5	605-022-00-X	01-2119455549-26-xxxx	0.5 – 1.0	Glutaraldehyde	Acute Tox. 3; H301, H331. Skin Corr. 1B; H314. Skin Sens. 1; H317 (SCL ≥0.5%). Resp. Sens. 1; H334. SCLs:- Skin Irrit. 2; H315 (0.5 ≤ C <10%). Eye Irrit. 2; H319 (0.5 ≤ C <2%). STOT SE 3; H335 (≥ 0.5%)	T; R23/25. C; R34. Xi; R42/43 (SCL ≥0.5% for R43). Xi; R36/37/38 (SCL 0.5% ≤ C <2%)
139734-65-9	N/A	N/A	N/A	0.1 – 1.0	1,3 Propanediamine, C10-C16 alkylderivatives, reaction product with 2-chloro acetic acids	Acute Tox. 4; H302. Skin Corr. 1C; H314. Aquatic Acute; H400.	Xn; R22. C; R34. N; R50
55965-84-9	N/A	613-167-00-5	N/A	0.0015 – 0.005	Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1).	Acute Tox. 3; H301, H311, H331. Skin Corr. 1B; H314.	T; R23/24/25. C; R34. Xi; R43 (SCL C ≥ 0.0015%).

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						Skin Sens. 1; H317 (SCL C \geq 0.0015%). Aquatic Acute; H400. Aquatic Chronic; H410.	N; R50/53.
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N/A – Not applicable

SECTION 4: *First aid measures*

4.1 Description of first aid measures

First aid measures

Inhalation :

Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Ingestion :

Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe.

Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact :

Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Eye contact :

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Inhalation :

Irritation to the respiratory tract may result from overexposure to fumes, mist or vapour.

Ingestion :

Ingestion may cause nausea, burns and eventually vomiting and diarrhoea.

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Skin :

Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels. Adverse symptoms may include the following: burns, irritation, redness.

Eyes :

Adverse symptoms may include the following: pain or irritation, watering, redness. Small amounts splashed into eyes can cause irreversible tissue damage and blindness.

See SECTION 11 for more detailed information on health effects and symptoms.

4.3 Indications of any immediate medical attention and special treatment needed

Notes to physician :

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Show this Safety Data Sheet to the doctor in attendance.

Protection of first aid personnel

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

SECTION 5: *Firefighting measures*

5.1 Extinguishing media

Suitable :

Use water spray, fog or foam. Use an extinguishing agent suitable for the surrounding fire.

Not suitable :

Do not use water jet.

5.2 Special hazards arising from the substance or mixture

In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

In combustion emits toxic fumes.

5.3 Advice for firefighters

Special precautions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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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. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8). Avoid breathing vapour or mist.

6.2 Environmental precautions

Water polluting material - may be harmful to the environment if released in large quantities.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up**Small spill :**

Move containers from spill area. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container.

Large spill :

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Contaminated absorbent material may pose the same hazard as the spilled product.

6.4 Reference to other sections

Note: see SECTION 1 for emergency contact information and SECTION 13 for waste disposal.

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

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

Persons with a history of skin sensitization problems should not be employed in any process in which this product is used.

Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

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7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

Not applicable.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

United Kingdom (UK) Workplace Exposure Limits

Substance	CAS Number	Workplace exposure limit (WEL)				Comment
		Long-term exposure limit (8-hr TWA reference period)		Short-term exposure limit – STEL (15 minute reference period)		
		ppm	mg.m ⁻³	ppm	mg.m ⁻³	
2-Butoxyethanol	111-76-2	25	123	50	246	Sk; BMGV
Isopropyl alcohol	67-63-0	400	999	500	1250	-
Glutaraldehyde	111-30-8	0.05	0.2	0.05	0.1	Sen

Notes:

BMGV:- Biological Monitoring Guidance Value (2-Butoxyethanol:- 240 mmol butoxyacetic acid/mol creatinine in urine).

Sen:- Capable of causing occupational asthma.

Sk:- Can be absorbed through skin.

Derived No-Effect Levels' (DNEL's) and Predicted No-Effect Concentrations' (PNEC's)

DNELS

Ingredient name:

Propan-2-ol

Exposure /Effects	DNELs	Population
Long-term - systemic effects, Skin contact	888 mg/kg bw/day	Workers
Long-term - systemic effects, Inhalation	500 mg/m ³	Workers
Long-term - systemic effects, Skin contact	319 mg/kg bw/day	Consumers
Long-term - systemic effects, Inhalation	89 mg/m ³	Consumers
Long-term - systemic effects, Ingestion	26 mg/kg bw/day	Consumers

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PNECs

Ingredient name :

Propan-2-ol

Compartment Detail	PNECs
Fresh water	140.9 mg/l
Marine	140.9 mg/l
Sewage Treatment Plant	2251 mg/l
Soil	28 mg/kg
Secondary poisoning. Related to, food	160 mg/kg
Sediment. Related to, dry weight	552 mg/kg
Intermittent Releases	140.9 mg/l

8.2 Exposure controls

Hygiene measures :

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Ensure that there is sufficient ventilation of the area.

Eye and face protection

Wear tightly fitting safety goggles, safety spectacles and/or Face shield (visor) with CE-label.

Skin protection

Wear chemical protective gloves according to DIN EN 374 with CE-labelling. Suitable materials include Nitrile rubber, NBR. Gloves for mechanical protection do not provide protection against chemicals.

Wear protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance Physical state Colour	Green clear liquid.
Odour	Mild, characteristic.
Odour threshold	No data.
pH	2-4
Melting Point	Not applicable
Initial boiling point and boiling range	Approximately 100°C
Flash point	No data
Evaporation rate	No data
Flammability	Not classified as flammable
Explosion limits Upper Lower	No data
Vapour pressure	No data
Vapour density	No data

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Relative density	1.0
Solubility	Highly soluble and miscible in water
Partition coefficient: n-octanol/water	No data
Auto-ignition temperature	Not applicable
Decomposition temperature	No data
Viscosity	Approximately 20 – 50 cps @ 20°C
Explosive properties	Not applicable
Oxidising properties	No data

9.2 Other information

Not applicable.

SECTION 10: *Stability and reactivity*

10.1 Reactivity

No information available.

10.2 Chemical stability

The product is stable under normal conditions of storage and use.

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Do not store above 25°C.

Avoid release to the environment.

10.5 Incompatible materials

No specific data. Avoid strong oxidising agents.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. In combustion may emits toxic fumes.

SECTION 11: *Toxicological information*

11.1 Information on toxicological effects

No data is available on the product. Based on the hazardous substances in the mixture and their concentration the product has been assessed according to the calculation method of Regulation (EC) 1272/2008 (as amended).

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a) Acute toxicity

Oral

Harmful if swallowed.

Dermal

Based on the available data on component substances, the classification criteria for acute dermal toxicity are not met.

Inhalation

Based on the available data on component substances, the classification criteria for acute inhalation toxicity are not met.

Other routes

No data.

(b) Skin corrosion/irritation

May causes severe skin burns.

(c) Serious eye damage/irritation

May cause serious damage to eyes.

(d) Respiratory or skin sensitization

May cause an allergic skin reaction. The following components are classified as skin sensitising and result in the product being classified as a skin sensitiser:-

- Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1).
- Glutaraldehyde.

(e) Germ cell mutagenicity

Based on the available data on component substances, the classification criteria for germ cell mutagenicity are not met.

(f) Carcinogenicity

Based on the available data on component substances, the classification criteria for carcinogenicity are not met.

(g) Reproductive toxicity

Based on the available data on component substances, the classification criteria for reproductive toxicity are not met.

(h) STOT-single exposure

May cause respiratory irritation.

(i) STOT-repeated exposure

Based on the available data on component substances, the classification criteria for specific target organ toxicity as a result of repeated exposure are not met.

(j) Aspiration hazard

Based on the available data on component substances, the classification criteria for aspiration hazard are not met.

Other information

No applicable toxicity data. No known significant effects or critical hazards.

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SECTION 12: Ecological information**12.1 Toxicity**

No data is available on the product. Based on the hazardous substances in the mixture and their concentration the product has been assessed according to the calculation method of Regulation (EC) 1272/2008 (as amended).

The product is very toxic to aquatic life.

12.2 Persistence and degradability

Substance	Biodegradability
2-Butoxyethanol	Biodegradable
Propan-2-ol	Readily biodegradable
Didecyldimethylammonium chloride	Biodegradable
2-bromo-2-nitropropane-1,3-diol	Biodegradable
Glutaraldehyde	Readily biodegradable
Sodium xylenesulphonate	Biodegradable

12.3 Bioaccumulative potential

Substance	Bioaccumulative potential
Didecyldimethylammonium chloride	Not expected to bioaccumulate
Propan-2-ol	Not expected to bioaccumulate
2-bromo-2-nitropropane-1,3-diol	Low potential to bioaccumulate
Glutaraldehyde	Low potential to bioaccumulate

12.4 Mobility in soil

Substance	Mobility in soil
2-Butoxyethanol	Soluble in water
Propan-2-ol	Mobile in the water environment
Sodium xylenesulphonate	Soluble in water

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be PBT or vPvB.

12.6 Other adverse effects

No known other adverse effects.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Methods of disposal :

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The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste

disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste :

The classification of the product may meet the criteria for a hazardous waste.

SECTION 14: Transport information

14.1 UN number

ADR	1760
RID	1760
ADN/ADNR	1760
ICAO/IATA	1760
IMO/IMDG	1760

14.2 UN proper shipping name

	UN proper shipping name	Technical name
ADR	CORROSIVE LIQUID, N.O.S.	CORROSIVE LIQUID, N.O.S. (DIDECYLDIMETHYLAMMONIUM CHLORIDE)
RID	CORROSIVE LIQUID, N.O.S.	CORROSIVE LIQUID, N.O.S. (DIDECYLDIMETHYLAMMONIUM CHLORIDE)
ADN/ADNR	CORROSIVE LIQUID, N.O.S.	CORROSIVE LIQUID, N.O.S. (DIDECYLDIMETHYLAMMONIUM CHLORIDE)
ICAO/IATA	CORROSIVE LIQUID, N.O.S.	CORROSIVE LIQUID, N.O.S. (DIDECYLDIMETHYLAMMONIUM CHLORIDE)
IMO/IMDG	CORROSIVE LIQUID, N.O.S.	CORROSIVE LIQUID, N.O.S. (DIDECYLDIMETHYLAMMONIUM CHLORIDE)

14.3 Transport hazard class(es)

ADR	8
RID	8
ADN/ADNR	8
ICAO/IATA	8
IMO/IMDG	8

14.4 Packing group

ADR	III
RID	III
ADN/ADNR	III
ICAO/IATA	III
IMO/IMDG	III

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14.5 Environmental hazards

Environmentally hazardous and/or Marine Pollutant : **Yes**



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.

SECTION 15: *Regulatory information*

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

EU regulations

CLP – Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures.

REACH Status

The substance(s) in this product has (have) been pre-registered, registered or are exempt according to Regulation (EC) No. 1907/2006 (REACH).

SEVESO II Directive 96/82/EC (as amended).

Detergent Regulation [Regulation (EC) No 648/2004]

Product ingredients include:-

- 5-15 w%
 - Disinfectant, amphoteric surfactant.
- < 5 w%
 - Amphoteric surfactants, non-ionic surfactants, 2-bromo-2-nitropropane-1,3-diol, Glutaraldehyde, Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1), perfumes.

UK Regulations

COSHH – Control of Substances Hazardous to Health Regulations 2002 (as amended).

COMAH – Control of Major Accidents Hazards Regulations 1999 (as amended).



CHIP – The Chemical (Hazard Information and Packaging for Supply) Regulations 2009

15.2 Chemical safety assessment

Chemical safety assessments have been completed by the substance Registrants for some of the components of this product.

SECTION 16: Other information

Labelling according to Directive 1999/45/EC

Symbols			
Indication of Danger	Harmful; Irritant.	Dangerous for the environment.	
Risk Phrases	R22	Harmful if swallowed.	
	R37/38	Irritating to respiratory system and skin.	
	R41	Risk of serious damage to eyes.	
	R43	May cause sensitisation by skin contact.	
	R50	Very toxic to aquatic organisms.	
Safety Phrases	S23	Do not breathe gas/fumes/vapour/spray.	
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.	
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.	
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).	
	S46	If swallowed, seek medical advice immediately and show this container or label.	
	S27/28	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.	
	S61	Avoid release to the environment. Refer to special instructions/safety data sheets.	

Full text of abbreviated H statements

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H331	Toxic if inhaled.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H314	Causes severe burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Full text of classifications (CLP)

Flammable liquid, Category 2; H225
 Acute toxicity, Category 3; H301, H311, H331
 Acute toxicity, Category 4; H302, H312
 Skin corrosion, Category 1B; H314
 Skin sensitiser, Category 1; H317
 Respiratory sensitiser, Category 1; H334
 Eye Damage, Category 1, H318
 Skin Irritant, Category 2; H315

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STOT- Single Exposure, Category 3; H373

Aquatic acute, Category 1; H400

Aquatic chronic, Category 1; H410

Full text of abbreviated R phrases

R11	Highly flammable
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R21/22	Harmful by inhalation and in contact with skin.
R22	Harmful if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R23/25	Toxic by inhalation and if swallowed.
R34	Causes burns.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36/38	Irritating to eyes and skin.
R37/38	Irritating to respiratory system and skin.
R36	Irritating to eyes
R41	Risk of serious damage to eyes.
R42/43	May cause sensitisation by inhalation and skin contact.
R43	May cause sensitisation by skin contact.
R67	Vapours may cause drowsiness and dizziness.
R50	Very toxic to aquatic organisms.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of classification (DSD/DPD)

F	Highly flammable
T	Toxic
Xn	Harmful
Xi	Irritant
C	Corrosive
N	Dangerous for the environment

Other abbreviations

PBT : Persistent, bioaccumulative and toxic.
 vPvB : Very persistent and very bioaccumulative.

History	
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Version	01

Note (1) – New SDS for CLP/GHS compliant product labelling.

Safety Data Sheet compiled according to Regulation (EC) No. 1907 (as Amended).

Notice to readers

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality

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specification. The 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, unless specified in the text.

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Signed:



Dated: 2.6.14