

SAFETY DATASHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

- Product Name: SAFE4DISINFECTANTCONCENTRATE - UFI:

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

- Use of the substance/mixture: Disinfectant

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Safe Solutions (Safe4) Ltd.
- Address of Supplier: Shor-Line Ltd, Unit 36 Vale Business Park, Llandow, Cowbridge, Vale of Glamorgan, CF71 7PF
- Telephone: +44 1446 772041
- Email: info@shor-line.co.uk

1.4 Emergency telephone number

- Emergency: +44 (0) 1606 591 900
Telephone

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture**

- CLP: Skin Sens. 1, Acute Tox. 4, Skin Corr. 1B, STOT RE 1, Aquatic Chronic 2

2.2 Label elements**GHS05****GHS09**

- SignalWord: Not applicable

Hazard statements

Not applicable

H332 - Harmful if inhaled.

H372 - Causes damage to organs through prolonged or repeated exposure by ingestion

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

SECTION 2: Hazards identification (....)

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 - Keep out of reach of children. P235+P410 - Keep cool. Protect from sunlight.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P261- Avoid breathing dust/fume/gas/mist/vapours/spray.

P280- Wear protective gloves/protective clothing/eye protection/face protection.

P405 - Store locked up.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

- Not applicable

- Contains: Polyhexamethylene biguanidehydrochloride; PHMB
QUATERNARYAMMONIUMCOMPOUNDS,BENZYL-C8-18-
ALKYLDIMETHYL, CHLORIDES

SECTION 3: Composition/information on ingredients**3.2 Mixtures****QUATERNARYAMMONIUMCOMPOUNDS, BENZYL-C8-18-ALKYLDIMETHYL,
CHLORIDES**

CAS Number:	68424-85-1
EC Number:	270-325-2
Concentration:	1 - 15%
Specific ConcentrationLimits:	N/a
Mfactor:	Not applicable
Acutetoxicity estimate:	Not applicable
Categories:	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1
H Statements:	H290, H302, H314, H318, H400, H410

polyhexamethylenebiguanidehydrochloride;PHMB

CAS Number:	32289-58-0
EC Number:	
Concentration:	1 - 10%
Specific Concentration:	M=10
Limits:	M=10

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

Mfactor:	Not applicable
Acutotoxicity estimate:	Not applicable
Categories:	Acute Tox. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1B, Carc. 2, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1
H Statements:	H351;H330;H302;H372;H318;H317;H400;H410
Symbols:	GHS08;GHS06;GHS05;GHS09

ALCOHOLS, C9-11ETHOXYLATED

CAS Number:	68439-46-3
EC Number:	
Concentration:	1 - 10%
Specific Concentration:	N/a
Limits:	
Mfactor	Not applicable:
Acutotoxicity estimate:	Not applicable
Categories:	Acute Tox. 4, Eye Dam. 1
H Statements:	H302, H318
Symbols:	GHS05, GHS07

DIPROPYLENEGLYCOLMETHYLEETHER

CAS Number:	34590-94-8
EC Number:	252-104-2
Concentration:	1 - 10%
Specific ConcentrationLimits:	N/A
Mfactor:	Not applicable
Acutotoxicity estimate:	Not applicable
Categories:	Not applicable

tetrasodium ethylene diamine tetraacetate

CAS Number:	64-02-8
EC Number:	200-573-9
Concentration:	1 - 10%
Specific ConcentrationLimits:	N/a
Mfactor:	Not applicable
Acutotoxicity estimate:	Not applicable
Categories:	Acute Tox. 4, Eye Dam. 1
H Statements:	H302;H318
Symbols:	GHS05;GHS07

SECTION 3: Composition/information on ingredients (....)**PHOSPHORIC ACID >25 ...%**

CAS Number: 7664-38-2
EC Number: 231-633-2
Concentration: 0.1 - 1%

Specific ConcentrationLimits: N/a
Mfactor: Not applicable
Acutetoxicity estimate: Not applicable
Categories: Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B, Eye Dam.
H Statements: 1 H290, H302, H314, H318
Symbols: GHS05, GHS07

SECTION 4: First aid measures**4.1 Description of first aid measures**

- Rinse mouth.
- If substance has got into eyes, immediately wash out with plenty of water - Treatsymptomatically
- IF exposed or concerned: Get medical advice/attention. - Call a POISON CENTRE or doctor if you feel unwell.
- IF ON SKIN: Wash with plenty of soap and water.
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- If skin irritation or rash occurs: Get medical advice/attention. - Wash contaminated clothing before reuse.
- IF SWALLOWED: Rinse mouth. Do NOTinduce vomiting.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

4.2 Most important symptoms and effects, both acute and delayed

- Not applicable

4.3 Indication of any immediate medical attention and special treatment needed

- Not applicable
 - Immediately call a POISON CENTER or doctor/physician.
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SECTION 5: Firefighting measures**5.1 Extinguishing media**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
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SECTION 5: Firefighting measures (....)**5.2 Special hazards arising from the substance or mixture**

- No hazard expected under normal conditions of use

5.3 Advice for firefighters

- No special precautions are required for this product
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SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

- Not applicable

6.2 Environmental precautions

- Not applicable

6.3 Methods and material for containment and cleaning up

- No special precautions are required for this product - Collect spillage.

6.4 Reference to other sections

- See Section 8, 13
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SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- Do not handle until all safety precautions have been read and understood. - Do not eat, drink or smoke when using this product.
- Avoid contact with eyes
- Wear protective gloves/protective clothing/eye protection/face protection. - Use personal protective equipment as required.
- Call a POISON CENTRE or doctor if you feel unwell. - Get medical advice/attention if you feel unwell.
- Wash contaminated clothing before reuse. - Dispose of contents/container to

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed. - Keep cool.
- Store at ambient temperature - Avoid contact with acid
- Keep away from oxidising substances
- Store locked up.

7.3 Specific end use(s)

- See Section 1.2
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SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

- No information available

DIPROPYLENEGLYCOLMETHYLETHER

DNEL(Industry; dermal, long term systemic effects): 283 mg/kg/day

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

DNEL(Industry; inhalational, long term systemic effects): 308 mg/kg
DNEL(Consumer; dermal, long term systemic effects): 121 mg/kg/day
DNEL(Consumer; inhalational, long term systemic effects): 37.2mg/m³
DNEL(Consumer; oral, long term systemic effects): 36 mg/kg/day

tetrasodium ethylene diamine tetraacetate

DNEL(Industry; inhalational, short term local effects): 2.5mg/m³
DNEL(Industry; inhalational, long term local effects): 2.5mg/m³
DNEL(Consumer; inhalational, short term local effects): 1.5mg/m³
DNEL(Consumer; inhalational, long term local effects): 1.5mg/m³
DNEL(Consumer; oral, long term systemic effects): 25 mg/kg/day

PHOSPHORIC ACID >25 ...%

DNEL(Industry; inhalational, long term local effects): 2.92mg/m³
DNEL(Industry; inhalational, long term systemic effects): 1mg/m³
DNEL(Industry; inhalational, short term local effects): 2mg/m³
DNEL(Consumer; inhalational, long term local effects): 0.73mg/m³

8.2 Exposure controls

- See Section 2
- Wearprotectivegloves/protectiveclothing/eyeprotection/faceprotection. - Use personal protective equipment as required.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Physical state: Liquid
- Colour: Blue, colourless, green, purple
- Odour: Apple, Lavender, Mint, Odourless
- Melting point/Range:Not applicable
- Boiling Point/Range: 98 °C to 102 °C at 760 mm /Hg
- Flammability: Not flammable
- pH: 6 - 7.5
- Solubility in water: Completely soluble in water
- Density: 1.010 g/cm³ at 20 °C
- Flashpoint: >93°C

SECTION 10: Stability and reactivity**10.1 Reactivity**

- This article is considered stable under normal conditions

10.2 Chemical stability

- Considered stable under normal conditions

SECTION 10: Stability and reactivity (....)**10.3 Possibility of hazardous reactions**

- No hazardous reactions known if used for its intended purpose

10.4 Conditions to avoid

- Extremes of temperature

10.5 Incompatible materials

- Not applicable

10.6 Hazardous decomposition products

- None

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity Not applicable

DIPROPYLENEGLYCOLMETHYLEETHER

LD₅₀ (oral, rat): 8740 mg/kg LD₅₀ (dermal,rabbit): 9510 mg/kg

LC₅₀ (inhalation,rat): 3404.47 vapours mg/l

tetrasodium ethylene diamine tetraacetate

LD₅₀ (oral, rat): 1780 mg/kg

LC₅₀ (inhalation,rat): >1-<5mg/l/4h

PHOSPHORIC ACID >25 ...%

LD₅₀ (oral, rat): 301.0 mg/kg

LD₅₀ (dermal,rabbit): 2750 mg/kg

Skin corrosion/irritation

Not applicable

Serious eye damage/irritation

Not applicable

Respiratory or skin sensitisation

Not applicable

Germ cell mutagenicity

No information available

Carcinogenicity

No evidence of carcinogenic effects

SECTION 11: Toxicological information (....)**Reproductive toxicity**

Not applicable

STOT (specific target organ toxicity) - single exposure

No information available

STOT (specific target organ toxicity) - repeated exposure

No information available

Aspiration hazard11.2 Information on other hazards

SECTION 12: Ecological information**12.1 Toxicity**

- No information available

ALCOHOLS, C9-11ETHOXYLATEDEC₅₀ (daphnia): 13.4 mg/l (48 hr)LC₅₀ (fish): 23.7 mg/l (96 hr)**DIPROPYLENEGLYCOLMETHYLEETHER**EC₅₀ (daphnia): 1919 mg/l (48 hr)LC₅₀ (fish): >1000 mg/l (96 hr)**tetrasodium ethylene diamine tetraacetate**LC₅₀ (fish): >100 mg/l (96 hr)**PHOSPHORIC ACID >25 ...%**EC₅₀ (daphnia): >100 mg/l (48 hr)LC₅₀ (fish): 3-3.25 mg/l (96 hr)**12.2 Persistence and degradability**

- Not applicable

12.3 Bioaccumulative potential

- Bioaccumulation is insignificant

12.4 Mobility in soil

- Completely soluble in water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

- Not applicable

12.7 Other adverse effects- Not applicable

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

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

14.6 Special precautions for user

- Not Classified

14.7 Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Refer to current CLP Regulations

15.2 Chemical safety assessment

- A REACH chemical safety assessment has not been carried out
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SECTION 16: Other information

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. H314: Causes severe skin burns and eye damage. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H330: Fatal if inhaled. H351: Suspected of causing cancer. H372: Causes damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects.

All information correct at time of printing.

--- end of safety datasheet ---
