

SAFETY DATA SHEET

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

- Product Name: SAFE4 DISINFECTANT CONCENTRATE
- 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: Safe4 All (Aust) Pty Ltd
- Address of Supplier: Safe4 All (Aust) Pty Ltd
U9/227a Brisbane Rd
BIGGERA WATERS Q
4216
- Telephone: +61 755293588 OR 1300661821
- Email: Info@safe4-aust.com.au

1.4 Emergency telephone number

- Emergency Telephone: 0411841948 or 0439590995

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

- CLP: Not Classified, Skin Sens. 1, Acute Tox. 4, Skin Corr. 1B, STOT RE 1, Aquatic Chronic 2

2.2 Label elements

GHS05



GHS09

- Signal Word: Not applicable

Hazard statements

Not applicable

H314 - Causes severe skin burns and eye damage.

EUH208 - Contains PolyHexaMethylene Biguanide (PHMB) and Cyanamide, N-cyano-, compd. with 1,6-hexanediamine (2:1), polymer with 1,6-hexanediamine hydrochloride (1:2)

r. May produce an allergic reaction.

H411 - Toxic to aquatic life with long lasting effects. H332 - Harmful if inhaled.

H317 - May cause an allergic skin reaction.

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

SECTION 2: Hazards identification (....)

breathing.

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.

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

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.

P310 - Immediately call a POISON CENTER or doctor/physician.

P273 - Avoid release to the environment.

P363 - Wash contaminated clothing before reuse.

P391 - Collect spillage.

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

2.3 Other hazards

- Not applicable
- Contains: QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8-18-ALKYLDIMETHYL, CHLORIDES
sodium hydroxide; caustic soda

SECTION 3: Composition/information on ingredients
3.2 Mixtures
2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

CAS Number:	111-76-2
EC Number:	203-905-0
Concentration:	1 - 5%
Specific Concentration Limits:	Not applicable
M factor:	Not available
Acute toxicity estimate:	Not available
Categories:	Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2
Symbols:	GHS07
H Statements:	H332;H312;H302;H315;H319

PolyHexaMethylene Biguanide (PHMB) and Cyanamide, N-cyano-, compd. with 1,6-hexanediamine (2:1), polymer with 1,6-hexanediamine hydrochloride (1:2)r

CAS Number:	32289-58-0 and 1802181-67-4
EC Number:	Not applicable
Concentration:	0.1 - 1%
Specific Concentration Limits:	Not applicable
M factor:	Not applicable
Acute toxicity estimate:	Not available
Categories:	Acute Tox. 2, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1
H Statements:	H302, H317, H318, H330, H335, H400, H410

DIPROPYLENEGLYCOL METHYLEETHER

CAS Number:	34590-94-8
EC Number:	252-104-2
Concentration:	1 - 5%

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

Specific Concentration Limits: N/a
 M factor: Not applicable
 Acute toxicity estimate: Not applicable
 Categories: Not applicable

QUATERNARY AMMONIUM COMPOUNDS, BENZYL-C8-18-ALKYLDIMETHYL, CHLORIDES

CAS Number: 68424-85-1
 EC Number: 270-325-2
 Concentration: 1 - 7.5%
 Specific Concentration Limits: N/a
 M factor: Not applicable
 Acute toxicity 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

tetrasodium ethylene diamine tetraacetate

CAS Number: 64-02-8
 EC Number: 200-573-9
 Concentration: 0.1 - 1%
 Specific Concentration Limits: N/a
 M factor: Not applicable
 Acute toxicity estimate: Not applicable
 Categories: Acute Tox. 4, Eye Dam. 1
 Symbols: GHS05;GHS07
 H Statements: H302;H318

trisodium nitrilotriacetate

CAS Number: 5064-31-3
 EC Number: 225-768-6
 Concentration: 0.01 - 0.1%
 Specific Concentration Limits: Carc. 2; H351: C ≥ 5 %
 M factor: Not applicable
 Acute toxicity estimate: Not available
 Categories: Acute Tox. 4, Eye Irrit. 2, Carc. 2
 Symbols: GHS08;GHS07
 H Statements: H351;H302;H319

GLYCINE, N-(CARBOXYMETHYL)-N-[2-[(CARBOXYMETHYL)AMINO]ETHYL]-, TRISODIUM SALT

CAS Number: 19019-43-3
 EC Number: Not applicable
 Concentration: 0.01 - 0.1%
 Specific Concentration Limits: Not applicable
 M factor: Not applicable
 Acute toxicity estimate: Not available
 Categories: Eye Irrit. 2

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

Symbols: GHS07
H Statements: H319

SODIUM GLYCOLATE

CAS Number: 2836-32-0
EC Number: 220-624-9
Concentration: 0.01 - 0.1%
Specific Concentration Limits: Not applicable
M factor: Not applicable
Acute toxicity estimate: Not available
Categories: Skin Irrit. 2, Eye Dam. 1
Symbols: GHS05
H Statements: H315, H318

sodium hydroxide; caustic soda

CAS Number: 1310-73-2
EC Number: 215-185-5
Concentration: 0.01 - 0.1%
Specific Concentration Limits: Skin Corr. 1A; H314: C ≥ 5 %
Skin Corr. 1B; H314: 2 % ≤ C < 5 %
Skin Irrit. 2; H315: 0,5 % ≤ C < 2 %
Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %
M factor: Not applicable
Acute toxicity estimate: Not available
Categories: Skin Corr. 1A
Symbols: GHS05
H Statements: H314

PHOSPHORIC ACID >25.....%

CAS Number: 7664-38-2
EC Number: 231-633-2
Concentration: 0.1 - 0.5%
Specific Concentration Limits: N/a
M factor: Not applicable
Acute toxicity estimate: Not applicable
Categories: Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1
Symbols: GHS05, GHS07
H Statements: H290, H302, H314, H318

polyhexamethylene biguanide hydrochloride; PHMB

H Statements: H351;H330;H302;H372;H318;H317;H400;H410
Symbols: GHS08;GHS06;GHS05;GHS09

ALCOHOLS, C9-11 ETHOXYLATED

H Statements: H302, H318
Symbols: GHS05, GHS07

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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
- Treat symptomatically
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- Wash contaminated clothing before reuse.
- 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.
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- 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 skin irritation or rash occurs: Get medical advice/attention.

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
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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

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

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**

SECTION 7: Handling and storage (....)

- 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.
- Wash contaminated clothing before reuse.
- Use personal protective equipment as required.
- Call a POISON CENTRE or doctor if you feel unwell.
- Get medical advice/attention if you feel unwell.

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

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

WEL (long term): 25 ppm 123 mg/m³

WEL (short term): 50 ppm 246 mg/m³

DNEL (Industry; dermal, short term systemic effects): 89 mg/kg/day

DNEL (Industry; inhalational, short term systemic effects): 652 mg/m³

DNEL (Industry; dermal, long term systemic effects): 75 mg/kg/day

DNEL (Industry; inhalational, long term systemic effects): 98 mg/m³

DNEL (Consumer; dermal, short term systemic effects): 44.5 mg/kg/day

DNEL (Consumer; inhalational, short term systemic effects): 426 mg/m³

DNEL (Consumer; oral, short term systemic effects): 13.4 mg/kg/day

DNEL (Consumer; dermal, long term systemic effects): 38 mg/kg/day

DNEL (Consumer; oral, long term systemic effects): 3.2 mg/kg/day

DIPROPYLENEGLYCOL METHYLETHER

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

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): 37.2 mg/m³

DNEL (Consumer; oral, long term systemic effects): 36 mg/kg/day

trisodium nitrilotriacetate

DNEL (Industry; inhalational, long term systemic effects): 3.5 mg/m³

DNEL (Industry; inhalational, short term systemic effects): 5.25 mg/m³

sodium hydroxide; caustic soda

DNEL (Consumer; inhalational, long term local effects): 1 mg/m³

DNEL (Industry; dermal, short term local effects): 2 mg/kg/day

DNEL (Industry; inhalational, short term local effects): 2 mg/m³

DNEL (Industry; inhalational, long term local effects): 1 mg/m³

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SECTION 8: Exposure controls/personal protection (...)**PHOSPHORIC ACID >25.....%**DNEL (Industry; inhalational, long term local effects): 2.92 mg/m³DNEL (Industry; inhalational, long term systemic effects): 1 mg/m³DNEL (Industry; inhalational, short term local effects): 2 mg/m³DNEL (Consumer; inhalational, long term local effects): 0.73 mg/m³**tetrasodium ethylene diamine tetraacetate**DNEL (Industry; inhalational, short term local effects): 2.5 mg/m³DNEL (Industry; inhalational, long term local effects): 2.5 mg/m³DNEL (Consumer; inhalational, short term local effects): 1.5 mg/m³DNEL (Consumer; inhalational, long term local effects): 1.5 mg/m³

DNEL (Consumer; oral, long term systemic effects): 25 mg/kg/day

8.2 Exposure controls

- See Section 2
- Wear protective gloves/protective clothing/eye protection/face protection.
- 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: >100 °C
- 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

9.2 Other information

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
- Reacts with water

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

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SECTION 10: Stability and reactivity (....)

- Not applicable

10.6 Hazardous decomposition products

- None
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SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

Not applicable

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolveLD₅₀ (oral, rat): 1,300 mg/kg**DIPROPYLENEGLYCOL METHYLEETHER**LD₅₀ (oral, rat): 8740 mg/kgLD₅₀ (dermal, rabbit): 9510 mg/kgLC₅₀ (inhalation, rat): 3404.47 vapours mg/l**trisodium nitrilotriacetate**LD₅₀ (oral, rat): 1740 mg/kg**sodium hydroxide; caustic soda**LD₅₀ (oral, rabbit): >500 mg/kg**PHOSPHORIC ACID >25 ...%**LD₅₀ (oral, rat): 301.0 mg/kgLD₅₀ (dermal, rabbit): 2750 mg/kg**tetrasodium ethylene diamine tetraacetate**LD₅₀ (oral, rat): 1780 mg/kgLC₅₀ (inhalation, rat): >1-<5 mg/l/4h**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

Reproductive toxicity

Not applicable

STOT (specific target organ toxicity) - single exposure

SECTION 11: Toxicological information (....)

No information available

STOT (specific target organ toxicity) - repeated exposure

No information available

Aspiration hazard**11.2 Information on other hazards**

SECTION 12: Ecological information**12.1 Toxicity**

- No information available

2-butoxyethanol; ethylene glycol monobutyl ether; butyl cellosolve

EC₅₀ (daphnia): 1550 mg/l (48 hr)

LC₅₀ (fish): 1474 mg/l (96 hr)

DIPROPYLENEGLYCOL METHYLEETHER

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)

sodium hydroxide; caustic soda

EC₅₀ (daphnia): 40-240 mg/l (48 hr)

LC₅₀ (fish): 33-189 mg/l (96 hr)

PHOSPHORIC ACID >25 ...%

EC₅₀ (daphnia): >100 mg/l (48 hr)

LC₅₀ (fish): 3-3.25 mg/l (96 hr)

ALCOHOLS, C9-11 ETHOXYLATED

EC₅₀ (daphnia): 13.4 mg/l (48 hr)

LC₅₀ (fish): 23.7 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

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SECTION 12: Ecological information (....)

- Not applicable
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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. H312: Harmful in contact with skin. H314: Causes severe skin 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. H330: Fatal if inhaled. H332: Harmful if inhaled. H335: May cause respiratory irritation. 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 ---
