

SAFETY DATA SHEET

STERIGENE CONCENTRATE

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Expiry: 21.01.2031

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

1.1 Product Identifier/name STERIGENE CONCENTRATE

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

Use of substance/mixture: Disinfectant solution. For professional use only.

1.3 Details of the supplier of the safety data sheet

Company name: Ethical Agents Group Limited

316 Lower Plateau Road
Bilgola Plateau, Sydney 2107, NSW, Australia

Tel: +61 488 077 595

Email: md@astleydolphin.com.au

Website: www.orageneglobal.com

Ethical Agents Group Limited
54 Hobill Avenue, Wiri
Auckland 2104, New Zealand
PH: +64 9 262 1388
EM: info@ethicalagents.co.nz
WB: www.eavm.nz

1.4 Emergency telephone number: Poisons Information Centre – Australia: +61 13 11 26 – NZ: 0800 764 766

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification under CHIP: Xi: R41; Sens.: R43; -: R52/53; R45

Classification under CLP: Aquatic chronic 3: H412; Carc 1:H351; Eye Dam. 1:H318; STOT RE 2: H373; Skin Corrosivity. 2: H315; Acute toxicity – oral 4:H302; Skin Sens. 1:H317; EUH208

Classification under HSN0: 9.1C, 6.7A, 8.3A, 6.9B, 6.3A, 6.1D, 6.5B

Most important adverse effects: Risk of serious damage to eyes and skin. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Suspected of causing cancer.

2.2 Label elements under CLP:

Hazard statements:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H351: Suspected of causing cancer

H373: May cause damage to organs through prolonged or repeated exposure

H412: Harmful to aquatic life with long-lasting effects.

EUH208: Contains polymeric biguanide hydrochloride. May produce an allergic reaction.

Signal words: Danger

Hazard pictograms:

GHS07: Exclamation mark



Precautionary statements:

P201: Obtain special instructions before use

P202: Do not handle until all safety precautions have been read and understood

P261: Avoid breathing mist/spray.

P264: Wash hands thoroughly after handling

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection.

P281: Use personal protective equipment as required.

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P301 + P312: IF SWALLOWED: Call a POISONS CENTER or doctor if you feel unwell.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water

P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338: IF IN EYES: Rinse copiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P310: Immediately call a POISONS CENTER or doctor/physician.

P314: Get medical attention if you feel unwell.

P330: Rinse mouth.

P332+313: If skin irritation or rash occurs: Get medical advice.

P362: Take off contaminated clothing and wash before reuse.

P363: Wash contaminated clothing before reuse.

P405: Store locked up.

P501: Dispose of contents/container in accordance with local, regional, and national regulations.

Label elements under CHIP: Hazard symbols: Irritant



Risk phrases:

R41: Risk of serious damage to eyes.

R43: May cause sensitisation by skin contact.

R45: May cause cancer

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

P16: Contains polymeric biguanide hydrochloride. May produce an allergic reaction.

Safety phrases:

S24: Avoid contact with skin.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S37/39: Wear suitable gloves and eye/face protection.

2.3 Other hazards

PBT: This product is not identified as a PBT/vPvB substance

Section 3: Composition/information on ingredients

3.1 Mixtures:

Hazardous ingredients:

Ingredient Name	Concentration
C9-C11 ALCOHOL ETHOXYLATE (6)	1-10%

EINECS –

CAS 68439-46-3

CHIP Classification Xn: R22; Xi: R41

CLP Classification Acute Tox. 4: H302; Eye Dam. 1: H318

Ingredient Name	Concentration
PROPAN-2-OL	1-10%

EINECS 200-661-7

CAS 67-63-0

CHIP Classification F: R11; Xi: R36; -: R67

CLP Classification Flam. Liq. 1: H224; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066

Ingredient Name	Concentration
DIDCYLDIMETHYLAMMONIUM CHLORIDE	1-10%

EINECS 230-525-2

CAS 7173-51-5

CHIP Classification Xn: R22; C: R34

CLP Classification Acute Tox. 4: H302; Skin Corr. 1B: H314

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POLYMERIC BIGUANIDE HYDROCHLORIDE	1-10%
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EINECS –
CAS 27083-27-8
CHIP Classification Xi : R37/38 ; Sens. : R43 ; N : R50/53 ; R45
CLP Classification Acute Tox. 4: H302; Skin Irrit. 2: H315; Aquatic Acute 1: H400; Eye Dam. 1: H318 Skin Sens. 1: H317; Carc. 2: H351 STOT RE 2: H373

ALKYL(C12-16)DIMETHYLBENZYLAMMONIUM CHLORIDE	1-10%
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EINECS 270-325-2
CAS 68424-85-1
CHIP Classification Xn: R21/22; C: R34; N: R50
CLP Classification Acute Tox. 4: H302; Skin Corr. 1B: H314 ; Aquatic Acute 1: H400

Section 4: First Aid Measures

4.1 Description of first aid measures

Skin Contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Ingestion: Wash out mouth with water. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be pain and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.
Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

Section 5: Fire-fighting measures
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- 5.1 Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
- 5.2 Special hazards arising from the substance or mixture**
Exposure hazards: In combustion emits toxic fumes.
- 5.3. Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1: Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2: Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3: Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4: Reference to other sections: Refer to section 8 of SDS.

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Section 7: Handling and storage

7.1: Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2: Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

7.3: Specific end use(s): Disinfectant solution. For professional use only.

Section 8: Exposure controls/personal protection

8.1: Control parameters

Hazardous ingredients:

PROPAN-2-OL

Workplace exposure limits:

Respirable dust

State	Respirable dust			
	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
Australia	983 mg/m ³	1230 mg/m ³	-	-

DNEL/PNEC Values: No data available

8.2: Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

State: Liquid.

Odour: characteristic chemical odour that may be fragranced, e.g. green with citrus fragrance, clear with low odour,

Evaporation rate: As water.

Boiling point/range °C: 110

Relative density: Approx 1.000

pH: 4.5-6.5

9.2 Other information: No data available.

Section 10: Stability and reactivity

10.1 Reactivity: Stable under recommended transport or storage conditions.

10.2 Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid: Heat.

10.5 Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products: In combustion emits toxic fumes.

Section 11: Toxicological Information

11.1 Information on toxicological effects

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Hazardous ingredients:

C9-C11 ALCOHOL ETHOXYLATE (6)

ORAL	RAT	LD50	200-2000	mg/kg
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PROPAN-2-OL

IVN	RAT	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

DIDECYLDIMETHYLAMMONIUM CHLORIDE

IPR	RAT	LD50	45	mg/kg
ORL	MUS	LD50	268	mg/kg
Effect		Route		Basis
Irritation		OPT		Hazardous: calculated
Sensitisation		DRM		Hazardous: calculated

Symptoms/routes of exposure

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be pain and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological Information

12.1 Toxicity:

Hazardous ingredients:

C9-C11 ALCOHOL ETHOXYLATE (6)

DAPHNIA	48H EC50	1-10 mg/l
FISH	96H LC50	1-10 mg/l

ALKYL(C12-16)DIMETHYLBENZYLAMMONIUM CHLORIDE

DAPHNIA MAGNA	48H EC50	0.016 mg/l
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12.2 Persistence and degradability: Product is biodegradable.

12.3 Bioaccumulative potential: No bioaccumulation potential.

12.4 Mobility in soil: Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects: Harmful to aquatic organisms.

Section 13: Disposal Considerations

13.1 Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

N.B.: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport Information

Transport class: This product does not require a classification for transport.

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Section 15: Regulatory Information

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

15.2 Chemical Safety Assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

15.2 HSNO Approval number: HSR002530

Section 16: Other Information

This Safety Data Sheet is prepared in accordance with Commission Regulation (EU) No. 453/2010.

Phrases used in s.2 and s.3:

EUH066: Repeated exposure may cause skin dryness or cracking.
H224: Extremely flammable liquid and vapour.
H302: Harmful if swallowed.
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.
H336: May cause drowsiness or dizziness.
H351: Suspected of causing cancer
H373: May cause damage to organs through prolonged or repeated exposure
H412: Harmful to aquatic life with long-lasting effects.
H400: Very toxic to aquatic life.
R11: Highly flammable.
R21/22: Harmful in contact with skin and if swallowed.
R22: Harmful if swallowed.
R34: Causes burns.
R36: Irritating to eyes.
R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damage to eyes.
R43: May cause sensitisation by skin contact.
R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50: Very toxic to aquatic organisms.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67: Vapours may cause drowsiness and dizziness.

Legend to abbreviations:

PNEC = predicted no effect level
DNEL = derived no effect level
LD50 = median lethal dose
LC50 = median lethal concentration
EC50 = median effective concentration
IC50 = median inhibitory concentration
dw = dry weight
bw = body weight
cc = closed cup
oc = open cup
MUS = mouse
GPG = guinea pig
RBT = rabbit
HAM = hamster
HMN = human
MAM = mammal
PGN = pigeon
IVN = intravenous
SCU = subcutaneous

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SKN = skin
DRM = dermal
OCC = ocular/corneal
PCP = physico-chemical properties

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.