

**SAFETY DATA SHEET**  
**STERIGENE GREEN CONCENTRATE**

Page: 1 of 6  
Compilation date: 16/05/2012  
Revision No: 5 - EA  
Revision Date: 31/01/2019

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

**1.1 Product Identifier/name** STERIGENE GREEN 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 Ltd  
54 Hobill Avenue  
Wiri, Auckland 2104, New Zealand

Tel: +64 9 262 1388

Fax: +64 9 262 1411

Email: [eage@xtra.co.nz](mailto:eage@xtra.co.nz)

Website: [www.ethicalagents.co.nz](http://www.ethicalagents.co.nz)

**1.4 Emergency telephone number:** Poisons Information Centre - New Zealand: 0800 POISON (0800 764 766)

**Section 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

**Classification under CLP:** Aquatic chronic 3: H412; Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317; EUH208

**Classification under HSNO:** 9.1C, 8.3A, 6.3A, 6.5B

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

**2.2 Label elements under CLP:**

**Hazard statements:**

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

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

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

**Signal words:** Danger

**Hazard pictograms:**

GHS05: Corrosion

GHS07: Exclamation mark



**Precautionary statements:**

P261: Avoid breathing mist/spray.

P273: Avoid release to the environment.

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

P302+352: IF ON SKIN: Wash with plenty of soap and water.

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

P333+313: If skin irritation or rash occurs: Get medical advice.

**SAFETY DATA SHEET**  
**STERIGENE GREEN CONCENTRATE**

Page: 2 of 6

**Label elements under CHIP:**

**Hazard symbols:** Irritant



**Risk phrases:**

R41: Risk of serious damage to eyes.  
R43: May cause sensitisation by skin contact.  
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:**

<b>C9-C11 ALCOHOL ETHOXYLATE (6)</b>	<b>1-10%</b>
--------------------------------------	--------------

EINECS –  
CAS 68439-46-3  
CHIP Classification Xn: R22; Xi: R41  
CLP Classification Acute Tox. 4: H302; Eye Dam. 1: H318

<b>PROPAN-2-OL</b>	<b>1-10%</b>
--------------------	--------------

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

<b>DIDCYLDIMETHYLAMMONIUM CHLORIDE</b>	<b>1-10%</b>
----------------------------------------	--------------

EINECS 230-525-2  
CAS 7173-51-5  
CHIP Classification Xn: R22; C: R34  
CLP Classification Acute Tox. 4: H302; Skin Corr. 1B: H314

<b>POLYMERIC BIGUANIDE HYDROCHLORIDE</b>	<b>1-10%</b>
------------------------------------------	--------------

EINECS –  
CAS 27083-27-8  
CHIP Classification Xi : R37/38 ; Sens. : R43 ; N : R50/53  
CLP Classification Acute Tox. 4: H302; Skin Irrit. 2: H315; Aquatic Acute 1: H400; Eye Dam. 1: H318  
Skin Sens. 1: H317

<b>ALKYL(C12-16)DIMETHYLBENZYLAMMONIUM CHLORIDE</b>	<b>1-10%</b>
-----------------------------------------------------	--------------

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

**SAFETY DATA SHEET**  
**STERIGENE GREEN CONCENTRATE**

Page: 3 of 6

**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**

**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.

**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

**SAFETY DATA SHEET**  
**STERIGENE GREEN CONCENTRATE**

Page: 4 of 6

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
New Zealand	983 mg/m <sup>3</sup>	1230 mg/m <sup>3</sup>	-	-

**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, yellow with lemon fragrance, blue with eucalyptus fragrance and mauve with lavender fragrance.

**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**

**Hazardous ingredients:**

**C9-C11 ALCOHOL ETHOXYLATE (6)**

ORAL	RAT	LD50	200-2000	mg/kg
------	-----	------	----------	-------

**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

**SAFETY DATA SHEET**  
**STERIGENE GREEN CONCENTRATE**

Page: 5 of 6

**Relevant effects for mixture:**

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
---------------	----------	------------

**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.

**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.

Cleaning Products (Subsidiary Hazard) Group Standard 2006 {HSNO Approval Number HSR 002530}. A copy of this group standard can be found on the EPA website at:

<http://www.epa.govt.nz/hazardoussubstances/approvals/group-standards/Pages/default.aspx>

**SAFETY DATA SHEET**  
**STERIGENE GREEN CONCENTRATE**

Page: 6 of 6

**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.  
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  
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.