

**Section: 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : ECOSAFE VET SERIES ENVIROSAN QHF

Other means of identification : Not applicable.

Recommended use : Sanitizer

Product dilution information : 0.5 % - 2.0 %

Company : Ecolab New Zealand  
2 Daniel Place  
Te Rapa, Hamilton New Zealand  
+64 7 958 2319

Emergency telephone number : 0800 243 622 (0800 CHEMCALL)

Issuing date : 03.07.2017

**Section: 2. HAZARDS IDENTIFICATION**
**HSNO Hazard classification**
**Product AS SOLD**

Acute toxicity (Oral) : 6.1 D  
Acute toxicity (Inhalation) : 6.1 D  
Acute toxicity (Dermal) : 6.1 E  
Skin corrosion : 8.2 B  
Serious eye damage : 8.3 A  
Respiratory sensitization : 6.5 A  
Skin sensitization : 6.5 B  
Specific Target Organ Systemic Toxicity (Single Exposure or Repeated Exposure) (Oral) : 6.9 B  
Aquatic toxicity (Acute or Chronic) : 9.1 A  
Ecotoxic to soil environment : 9.2 A  
Ecotoxic to terrestrial vertebrates : 9.3 C

**Product AT USE DILUTION**

Acute toxicity (Oral) : 6.1 D  
Respiratory sensitization : 6.5 A  
Skin sensitization : 6.5 B  
Aquatic toxicity (Acute or Chronic) : 9.1 C  
Ecotoxic to terrestrial vertebrates : 9.3 C

**GHS Label element**
**Product AS SOLD**

Hazard pictograms :



# SAFETY DATA SHEET

## ECOSAFE VET SERIES ENVIROSAN QHF

Signal Word : Danger

Hazard Statements : Harmful if swallowed.  
May be harmful in contact with skin.  
Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
Harmful if inhaled.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
May cause damage to organs if swallowed.  
Very toxic to aquatic life with long lasting effects.  
Very toxic to the soil environment.  
Toxic to terrestrial vertebrates.

Precautionary Statements : **Prevention:**  
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapours/spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. Rinse mouth. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or if you feel unwell: Call a POISON CENTER or doctor/ physician. Immediately call a POISON CENTER or doctor/ physician. Specific treatment (see supplemental first aid instructions on this label). If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse. Collect spillage.  
**Storage:**  
Store locked up.  
**Disposal:**  
Dispose of contents/ container to an approved waste disposal plant.

### Product AT USE DILUTION

Hazard pictograms :



Signal Word : Danger

Hazard Statements : Harmful if swallowed.  
May cause an allergic skin reaction.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Harmful to aquatic life with long lasting effects.  
Harmful to terrestrial vertebrates.

Precautionary Statements : **Prevention:**  
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin

# SAFETY DATA SHEET

## ECOSAFE VET SERIES ENVIROSAN QHF

thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves. In case of inadequate ventilation wear respiratory protection.

### Response:

IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Specific treatment (see supplemental first aid instructions on this label). Rinse mouth. If skin irritation or rash occurs: Get medical advice/ attention. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician. Wash contaminated clothing before reuse.

### Disposal:

Dispose of contents/ container to an approved waste disposal plant.

### Product AS SOLD

Other hazards : None known.

## Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Product AS SOLD

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration: (%)
glutaraldehyde	111-30-8	10 - 30
Didecyl Dimethyl Ammonium Chloride	7173-51-5	5 - 10
alcohols, c12-14-secondary, ethoxylated	84133-50-6	1 - 5

### Product AT USE DILUTION

Chemical Name	CAS-No.	Concentration: (%)
glutaraldehyde	111-30-8	0.1 - 1
Didecyl Dimethyl Ammonium Chloride	7173-51-5	0.1 - 1

## Section: 4. FIRST AID MEASURES

### Product AS SOLD

- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention.
- Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Notes to physician : Treat symptomatically.
- Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

## SAFETY DATA SHEET

### ECOSAFE VET SERIES ENVIROSAN QHF

#### Product AT USE DILUTION

In case of eye contact	: Rinse with plenty of water.
In case of skin contact	: Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
If swallowed	: Rinse mouth. Get medical attention if symptoms occur.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention.

#### Section: 5. FIREFIGHTING MEASURES

##### Product AS SOLD

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: None known.
Specific hazards during firefighting	: Exposure to decomposition products may be a hazard to health.
Hazardous combustion products	: Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) metal oxides
Special protective equipment for firefighters	: Use personal protective equipment.
Specific extinguishing methods	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.
Hazchem Code	: 2X

#### Section: 6. ACCIDENTAL RELEASE MEASURES

##### Product AS SOLD

Personal precautions, protective equipment and emergency procedures	: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	: Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up	: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

# SAFETY DATA SHEET

## ECOSAFE VET SERIES ENVIROSAN QHF

### Product AT USE DILUTION

- Personal precautions, protective equipment and emergency procedures : Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

### Product AS SOLD

#### Emergency Management Trigger Levels

The following trigger level applies:

- Emergency Plan : 100 L
- Signage : 100 L

## Section: 7. HANDLING AND STORAGE

### Product AS SOLD

- Advice on safe handling : Do not ingest. Do not breathe dust/fume/gas/mist/vapours/spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not get in eyes, on skin, or on clothing.
- Conditions for safe storage : Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
- Storage temperature : 0 °C to 30 °C

### Product AT USE DILUTION

- Advice on safe handling : Do not ingest. Do not breathe dust/fume/gas/mist/vapours/spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not get in eyes, on skin, or on clothing.
- Conditions for safe storage : Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

## Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Product AS SOLD

#### Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
glutaraldehyde	111-30-8	WES-STEL	0.05 ppm	NZ OEL

- Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

#### Personal protective equipment

- Eye protection : Safety goggles

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## ECOSAFE VET SERIES ENVIROSAN QHF

	Face-shield
Hand protection	: Wear the following personal protective equipment: Standard glove type. Impervious gloves Laminate film Nitrile Unsupported neoprene PVC Natural rubber Neoprene/natural rubber blend Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Skin protection	: Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
Respiratory protection	: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.  Refer to AS/NZS 1715 and AS/NZS 1716 for selection, use and maintenance of respiratory protective equipment as applicable.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

### Product AT USE DILUTION

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

### Personal protective equipment

Eye protection	: No special protective equipment required.
Hand protection	: Wear the following personal protective equipment: Standard glove type. Impervious gloves Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Skin protection	: No special protective equipment required.
Respiratory protection	: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Refer to AS/NZS 1715 and AS/NZS 1716 for selection, use and maintenance of respiratory protective equipment as applicable.

## Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

	Product AS SOLD	Product AT USE DILUTION
Appearance	: liquid	liquid
Colour	: clear, beige	light yellow
Odour	: pungent	odourless
pH	: 6.0 - 8.0, (100 %)	6.5 - 7.5

## SAFETY DATA SHEET

### ECOSAFE VET SERIES ENVIROSAN QHF

Flash point	: Not applicable.
Odour Threshold	: no data available
Melting point/freezing point	: no data available
Initial boiling point and boiling range	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: 1.02 - 1.03
Water solubility	: no data available
Solubility in other solvents	: no data available
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, kinematic	: no data available
Explosive properties	: no data available
Oxidizing properties	: no data available
Molecular weight	: no data available
VOC	: no data available

### Section: 10. STABILITY AND REACTIVITY

#### Product AS SOLD

Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: Bases
Hazardous decomposition products	: Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NO <sub>x</sub> ) metal oxides

### Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

#### Potential Health Effects

#### Product AS SOLD

## SAFETY DATA SHEET

### ECOSAFE VET SERIES ENVIROSAN QHF

Eyes	: Causes serious eye damage.
Skin	: May be harmful in contact with skin. Causes severe skin burns. May cause allergic skin reaction.
Ingestion	: Harmful if swallowed. Causes digestive tract burns.
Inhalation	: May cause allergic respiratory reaction. Harmful if inhaled. May cause nose, throat, and lung irritation.
Chronic Exposure	: May cause damage to organs.

#### Product AT USE DILUTION

Eyes	: Health injuries are not known or expected under normal use.
Skin	: May cause allergic skin reaction.
Ingestion	: Harmful if swallowed.
Inhalation	: May cause allergic respiratory reaction.
Chronic Exposure	: Health injuries are not known or expected under normal use.

#### Experience with human exposure

##### Product AS SOLD

Eye contact	: Redness, Pain, Corrosion
Skin contact	: Redness, Pain, Irritation, Corrosion, Allergic reactions
Ingestion	: Corrosion, Abdominal pain
Inhalation	: Respiratory irritation, Cough, May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Product AT USE DILUTION

Eye contact	: No symptoms known or expected.
Skin contact	: Redness, Irritation, Allergic reactions
Ingestion	: Abdominal pain
Inhalation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Toxicity

##### Product AS SOLD

##### Product

Acute oral toxicity	: Acute toxicity estimate : 39.93 mg/kg
Acute inhalation toxicity	: 4 h Acute toxicity estimate : 4.04 mg/l
Acute dermal toxicity	: Acute toxicity estimate : 2,422 mg/kg
Skin corrosion/irritation	: no data available



## SAFETY DATA SHEET

### ECOSAFE VET SERIES ENVIROSAN QHF

Serious eye damage/eye irritation : no data available

Respiratory or skin sensitization : no data available

Carcinogenicity : no data available

Reproductive effects : no data available

Germ cell mutagenicity : no data available

Teratogenicity : no data available

STOT - single exposure : no data available

STOT - repeated exposure : no data available

Aspiration toxicity : no data available

### Section: 12. ECOLOGICAL INFORMATION

#### Product AS SOLD

##### Ecotoxicity

Environmental Effects : Very toxic to aquatic life with long lasting effects.

##### Product

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

##### Components

Toxicity to fish : Didecyl Dimethyl Ammonium Chloride  
96 h LC50 Fish: 1 mg/l

alcohols, c12-14-secondary, ethoxylated  
96 h LC50 Fish: 3.4 mg/l

##### Components

Toxicity to daphnia and other aquatic invertebrates : glutaraldehyde  
48 h EC50 Daphnia: 0.35 mg/l

##### Persistence and degradability

#### Product AS SOLD

Biodegradable/Eliminated from aquatic environment

##### Bioaccumulative potential

no data available

##### Mobility in soil

no data available

##### Other adverse effects

no data available

### Section: 13. DISPOSAL CONSIDERATIONS

## SAFETY DATA SHEET

### ECOSAFE VET SERIES ENVIROSAN QHF

#### Product AS SOLD

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

The product should not be allowed to enter drains, water courses or the soil.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

#### Product AT USE DILUTION

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

The product should not be allowed to enter drains, water courses or the soil.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

### Section: 14. TRANSPORT INFORMATION

#### Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### Land transport (NZ\_DG)

UN number : 3265  
Description of the goods : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(Glutaraldehyde, Alkyl ammonium chloride)  
Class : 8  
Packing group : III  
Hazchem Code : 2X  
Environmentally hazardous : Yes

#### Sea transport (IMDG/IMO)

UN number : 3265  
Description of the goods : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.  
(Glutaraldehyde, Alkyl ammonium chloride)  
Class : 8  
Packing group : III  
Marine pollutant : Yes

Special precautions for user : None

### Section: 15. REGULATORY INFORMATION

#### Product AS SOLD

## SAFETY DATA SHEET

### ECOSAFE VET SERIES ENVIROSAN QHF

HSNO Approval Number : HSR002526

HSNO Group Standard : Cleaning Products (Corrosive) Group Standard 2006.

**The components of this product are reported in the following inventories:**

**United States TSCA Inventory :**

On TSCA Inventory

**Canadian Domestic Substances List (DSL) :**

All components of this product are on the Canadian DSL.

**Australia. Industrial Chemical (Notification and Assessment) Act :**

On the inventory, or in compliance with the inventory

**New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand :**

On the inventory, or in compliance with the inventory

**Japan. ENCS - Existing and New Chemical Substances Inventory :**

not determined

**Korea. Korean Existing Chemicals Inventory (KECI) :**

On the inventory, or in compliance with the inventory

**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**

not determined

**China Inventory of Existing Chemical Substances :**

On the inventory, or in compliance with the inventory

**Taiwan Chemical Substance Inventory :**

not determined

### Section: 16. OTHER INFORMATION

Issuing date : 03.07.2017  
Version : 1.0  
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

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 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.