

1 Identification of the substance and supplier—

Chlorhexidine Pre Op Solution

Vet Hygiene Solutions
14 Great South Road
Pokeno
Auckland

National Poisons Centre 0800 764766 (0800 POISON)

2 Hazards identification—

Danger

- 3.1B Highly flammable liquid and vapour
6.3B Causes mild skin irritation
6.4A Causes eye irritation.
9.1B Toxic to aquatic life with long lasting effects.

3 Composition/information on ingredients—

Substance	CAS Number	%
Ethanol	64-17-5	>60%
Chlorhexidine digluconate	18472-51-0	5%
Non hazardous ingredients		>20%

4 First aid measures—

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

If eye irritation persists: Get medical advice/attention.

If skin irritation occurs: Get medical advice/ attention

5 Fire fighting measures—

Extinguishing Media

carbon dioxide, dry powder, alcohol resistant foam.

Fire/Explosion Hazards

Highly flammable vapour and liquid, Avoid mixing with strong acids, acid chlorides, acid anhydrides and oxidizers

6 Accidental release measures—

Remove all ignition sources. No smoking

When handling bulk quantities of product

Wear PVC gloves & chemical goggles.

Use absorbent material to absorb the spill. Use only non-sparking tools.

Take precautionary measures against static discharge. Collect spillage. **Avoid release to the environment.** Take off contaminated clothing and wash before re-use. Wash hands and face thoroughly after handling.

7 Handling and storage—

Keep container tightly closed when not in use. Store in a cool well-ventilated place. Keep away from heat, sparks, open flames & hot surfaces .See also “accidental release measures.”

8 Exposure controls/personal protection—

	TWA ppm	TWA mg/kg	STEL ppm
Workplace Exposure Standard (Ethanol)	1000	1880	—
Use in well ventilated areas			
When used as directed no PPE is required			

9 Physical and chemical properties—

Appearance: Water thin liquid

Odour	Characteristic odour	Upper Flammable limit	19%
Odour threshold	Not available	Vapour pressure kPa	5.81 @ 20 °C
pH	Not Applicable	Vapour Density	1.59 (air=1)
Melting /freezing point	-117.3 °C	Relative density	0.825
Initial Boiling point	78 °C	Solubility	Miscible
Flash point	13 °C cc	Partition coefficient n-octanol/water	Not Available
Evaporation Rate	Not Available	Auto-ignition temperature	392 °C
Flammability (solid, gas)	Not Applicable	Decomposition temperature	Not Available
Lower Flammable Limit	3.3%	Viscosity	Not Available

10 Stability and reactivity—

Product is stable

Avoid mixing with strong acids, acid chlorides, acid anhydrides and oxidizer

11 Toxicological information—

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS Irritating to eyes. May causes mild skin irritation

Vapours may cause drowsiness and dizziness.

TOXICITY

Oral (rat) LD50: 25,200 mg/kg (calculated mixture rules)

IRRITATION

Ethanol Eye (rabbit): 100 mg - Moderate

12 Ecological information—

Toxic to aquatic life with long lasting effects. No data on degradation and bioaccumulation for chlorhexidine digluconate.

13 Disposal considerations—

Unused product must be disposed of using a method that complies with local Trade Waste bylaws.

Empty product containers may be disposed of using a commercial waste collection service.

14 Transport information—

Classified as a Transport Dangerous Goods

UN 1170 ETHANOL SOLUTION, PG II,



Marine Pollutant

15 Regulatory information—

HSNO Classifications

3.1B Flammable Liquids: high hazard

6.4A Irritating to the eye

9.1D Harmful in the aquatic environment

Cleaning Products (Flammable) Group Standard 2006 HSNO Approval Number HSR002528

A Hazardous Atmosphere Zone required when more than 100 litres stored

A Hazardous Substance Location certificate may be required when more than 100 litres is stored.

An Approved Handler may be required when stored in quantities greater than 250litres

Health and Safety in Employment Act & Regulations

16 Other information—

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