

**SECTION 1 : CHEMICAL PRODUCT AND COMPANY INFORMATION****SYNONYMS:****PROPER SHIPPING NAME:** Chlorhexidine DiGluconate 37.5grams/litre Solution**CAS NUMBER:** 18472-51-0**UN NUMBER:** 3082**PRODUCT USE:** An aid in the prevention of Mastitis in Dairy Cows**SUPPLIER:** Agmax Industries Limited, 63b Allens Road, East Tamaki, 2013,  
Auckland Telephone: +64 9 271 5290**24 H Emergency Contact:** 0800 243 622 ( 24 Hours)**Website:** [www.agmax.co.nz](http://www.agmax.co.nz)**Email:** [info@agmax.co.nz](mailto:info@agmax.co.nz)**SECTION 2 : HAZARDS IDENTIFICATION****STATEMENT OF HAZARDOUS NATURE**

Classified as Hazardous according to the criteria of the New Zealand Hazardous Substances and New Organisms legislation and GHS 7<sup>th</sup> Edition.

This product is approved under the Hazardous Substances and New Organisms Act (HSR 100759), Veterinary medicines non-dispersive open System Application) Group Standard2012) and is classified as follows:

**GHS Classification****Hazardous to the aquatic Environment Chronic Category 1****HSNO Classification and Hazard Statements:****9.1A Ecotoxic in the aquatic environment****H411** Toxic to aquatic life with long lasting effects**Prevention statements****P102** Keep out of reach of children**P103** Read label before use**P264** Wash hands thoroughly after handling**P 273** Avoid release into the environment**P280** Wear protective gloves and eyewear**Response statements****P391** Collect spillage**Disposal Statements****P501** Dispose of empty containers safely in accordance with local regulations.**SECTION 3 : COMPOSITION****Appearance:** Blue liquid - watery in appearance**Ingredient**

Chlorhexidine Gluconate

**CAS Number**

18472-51-0

**Proportion**

37.5g/l

Other non-hazardous ingredients

Balance

**SECTION 4 : FIRST AID MEASURES**

**Based on 20% Chlorhexidine Solution**

**If medical advice is needed, have product container or label on hand**

**Refer First Aid instructions on label**

**SWALLOWED**

If Swallowed: Do NOT induce vomiting.

If swallowed, rinse mouth with water (only if person is conscious)

Have patient drink plenty of water in small sips.

Seek medical assistance. If breathing stops start mouth to nose resuscitation.

**Immediately call a POISON CENTER or doctor/physician**

Never give anything by mouth to an unconscious person.

**EYE**

If in eyes: With eye held open, thoroughly rinse immediately with plenty of water for at least 10 minutes. Continue rinsing with eye rinsing solution.

Protect unharmed eye. Call ambulance (Cue: caustic burn of the eyes)

Continue rinsing eye until arrival at ophthalmic hospital. Immediately call a Poison Centre or doctor/physician.

**SKIN**

Remove contaminated clothing including footwear. Wipe off excess material from skin and then flush skin thoroughly with plenty of water for at least 15 minutes. Do not use organic solvents or thinners. Seek medical attention if redness, blistering or irritation occurs or persists. Wash contaminated clothing and shoes before reuse.

**INHALED**

If Inhaled:

Possible discomfort: severe irritation of mucous lining (nose, throat, eyes), cough, sneezing, flow of tears. Remove victim to fresh air. Keep warm. Allow person to assume most comfortable position. Keep at rest until fully recovered. Seek medical attention immediately if the person is coughing or other symptoms develop or persist. Do not use direct mouth-to-mouth method if victim ingested or inhaled the substance; use alternative respiratory method or proper respiratory device. Administer oxygen if breathing is difficult.

**NOTES TO PHYSICIAN**

Therapy as for chemical burn. Ensure that attending medical personnel are aware of the identity and nature of the product(s) involved and take precautions to protect themselves. Treat symptomatically and supportively.

**SECTION 5 : FIRE FIGHTING MEASURES****GENERAL MEASURES**

If safe to do so, move undamaged containers from fire area. Cool containers with flooding quantities of water until well after fire is out.

**FLAMMABILITY CONDITIONS**

Non-combustible, however containers may burn. Material does not burn.

**SPECIFIC HAZARDS**

Fire fighters should wear full protective clothing and self-contained breathing apparatus.

**EXTINGUISHING MEDIA**

Water, Foam, Carbon dioxide or Dry chemical agents

**FIRE AND EXPLOSION HAZARDS**

Fire fighters to wear self-contained breathing apparatus if risk or exposure to products of decomposition.

**HAZARDOUS PRODUCTS OF COMBUSTION**

None expected

**SPECIAL FIRE FIGHTING INSTRUCTIONS**

Runoff from fire control or dilution water must be prevented from polluting waterways.

**PERSONAL PROTECTIVE EQUIPMENT**

Wear self-contained breathing apparatus (SCBA) with a full face-piece, in positive pressure mode. Fully encapsulating, gas-tight suits should be worn for maximum protection. Structural firefighter's uniform is recommended for fire situations ONLY - it is NOT effective for spills.

**FLASH POINT**

No Data Available

**LOWER EXPLOSION LIMIT**

No Data Available

**UPPER EXPLOSION LIMIT**

NO Data Available

**AUTO IGNITION TEMPERATURE**

No Data Available

**HAZCHEM CODE**

3Z

**SECTION 6 : ACCIDENTAL RELEASE MEASURES****GENERAL RESPONSE PROCEDURE**

Ventilate enclosed spaces before entering. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin and eyes

**CLEAN UP PROCEDURE**

Absorb with liquid binding material. Transfer to suitable containers  
Isolate hazard area. Wear protective clothing, safety goggles and gloves when cleaning up spills. Do not flush spills directly to sewer. Transfer material to suitable containers for recovery. Disposal in accordance to local authority regulations  
Avoid contaminating waterways

**CONTAINMENT**

Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas.  
Dike and clean up all spills immediately.

**DECONTAMINATION**

Small spills or residues can be flushed with plenty of water.

**ENVIRONMENTAL PRECAUTIONARY MEASURES**

Drains for storage or work areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material.

**EVACUATION CRITERIA**

Spill or leak area should be isolated immediately. Keep unauthorised personnel away.  
Keep upwind and to higher ground.

**PERSONAL PRECAUTIONARY MEASURES**

Wear suitable gloves and eyewear, footwear

**SECTION 7 : HANDLING AND STORAGE****PRECAUTIONS FOR SAFE HANDLING**

Handle and open containers with care. Use only in well-ventilated areas. Close containers tightly immediately after use.

Avoid spilling, skin and eye contact. Wear protective clothing, including elbow length PVC gloves and suitable eye protection.

Use with adequate ventilation - avoid creation and inhalation of aerosols.

After use, wash hands before eating, drinking or smoking.

Do not handle broken packages unless wearing appropriate personal protective equipment.

**STORAGE CONDITIONS**

Avoid light effect / sun's rays

Store in a cool, dry, well-ventilated area away from sources of heat or ignition. Keep out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials. Keep containers closed when not in use - check regularly for leaks

**SHELF LIFE**

Use within 12 Months

**SECTION 8 : EXPOSURE CONTROLS & PERSONAL PROTECTION****EXPOSURE LIMITS**

Handle in accordance with good industrial hygiene and safety practice

No eating, drinking or smoking when handling. Wash contaminated clothing before re-use

**ENGINEERING CONTROLS**

Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. If inhalation risk exists: Use with local exhaust ventilation or while wearing air supplied mask. Keep containers closed when not in use.

**EYE/FACE PROTECTION**

Use safety glasses (with side shields).

**SKIN PROTECTION**

Chemical protective gloves should be worn when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

**OTHER PROTECTION**

Wear overalls, use elbow length PVC gloves and suitable eye protection.

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE**

Clear blue liquid slight surfactant odour

**PHYSICAL PROPERTIES**

Miscible in water.

**Specific Gravity:** 1.105 - 1.111@ 20° C

**pH value:** 5.5 - 8.0.

**SECTION 10 : STABILITY AND REACTIVITY****REACTIVITY**

No data available

**CONDITIONS TO AVOID**

Exposure to sunlight, frost, light effects

**MATERIALS TO AVOID**

Oxidizing substances, alkalis

**HAZARDOUS REACTIONS**

No dangerous reactions are known to occur with correct handling and storage

**SECTION 11 : TOXICOLOGICAL INFORMATION****ACUTE TOXICITY**

Oral LD<sub>50</sub> mouse 1260 mg/kg (Chlorhexidine gluconate)

**EYE**

Irritating to the eyes

**SKIN**

Irritating to the skin

**SENSITISATION**

Not a sensitizer

**SECTION 12 : ECOLOGICAL INFORMATION**

9.1B Harmful- Aquatic ecotoxicant. (LD50 (Rainbow Trout) 1.3 ug/L/96 hr)

Acute toxicity to Fish: EC50 (48hr) 0.063mg/l Daphnia magna(water flea)( Chlorhexidine gluconate)

Acute toxicity to Vertebrate: LD50 1260 mg/kg Mouse (Chlorhexidine Gluconate)

**SECTION 13 : DISPOSAL CONSIDERATIONS****CONTAINER DISPOSAL**

Dispose of empty containers safely in accordance with local regulations.  
Triple rinse containers when empty. Avoid contamination of natural water supplies with chemical or empty container.  
After cleaning, all existing labels should be removed.

**PRODUCT DISPOSAL**

Dispose of in accordance with local regulations.

**SECTION 14 : TRANSPORT INFORMATION**

UN No.	3082
Dangerous Goods Class:	9
Hazchem code:	3Z
Packing group:	III
Proper Shipping Name:	Environmentally Hazardous Substance, Liquid N.O.S.
Marine pollutant	Yes

**SECTION 15 : REGULATORY INFORMATION**

Classified as Dangerous Goods for transport (9.1B)

This product is approved under the Hazardous Substance and New Organisms Act (HSR 100759, Veterinary Medicines (Non-dispersive Open System Application) Group standard 2012)

**SECTION 16 : OTHER INFORMATION****Abbreviations:**

**ACVM:** Agricultural Compounds and Veterinary Medicines

**CAS Number:** Chemical Abstracts Service Number

**EEL:** Environmental Exposure Limit

**EC50:** Half Maximal effective concentration

**HSNO:** Hazardous Substances and New Organisms Act 1966

**LC 50:** Lethal concentration 50%( population)

**STEL:** Short Term exposure limit

**TEL:** Tolerable Exposure Limit

**TWA:** Time weighted Average

**UN No:** United Nations Number

**WES:** Workplace exposure Standard

New Zealand Poisons Information Center 0800 POISON (0800 764 766)

EPA The Environmental Protection Authority of New Zealand

GHS Globally Harmonized System of Classification and Labelling of Chemicals

HSNO Hazardous Substances and New Organisms Act 1996

MPI Ministry for Primary Industries

**Disclaimer:**

The data given relates to this product alone, and not to its use in conjunction with other substances or products. In such circumstances, assuming the combination is permitted, refer to product labels, be guided by the most hazardous of the substances involved and observe the more stringent hazard controls applicable.

The information contained in this Safety Data Sheet was obtained from current and reliable sources. The data is supplied without warranty, expressed or implied regarding its correctness and accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage, or expense resulting from improper use of this product.

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