

VETPAK SAFETY DATA SHEET

Section 1: Identification of the Substance or Mixture and of the Supplier

Product Name: **Antiseptic and Disinfectant**

Recommended Use: Used as an antiseptic solution for animal external use, and cleaning down surfaces in veterinary clinics and farms.

Company Details: Vetpak Ltd.

Address: 150 Rickit Road, Te Awamutu.

Telephone Number: (07) 870 2024

Emergency Telephone Number: (07) 870 2024 8.00am to 5.00pm Monday to Friday except public holidays. National Poisons Centre, Department of Preventative and Social Medicine, University of Otago, P O Box 913, Dunedin, New Zealand. Phone (0800) 764-766 24 hours.

Date of Preparation: 22nd April 2009.

Section 2: Hazards Identification

Hazards Classification: Hazardous according to the criteria of ERMA.

6.1C: Toxic if swallowed.

6.3A: Causes skin irritation

6.4A: Causes eye irritation.

6.5A: May cause asthma or allergy symptoms or breathing difficulties if inhaled

8.3A: Causes serious eye damage

9.1A: Very toxic to aquatic life.

9.3C: Harmful to terrestrial vertebrates.

Section 3: Composition / Information on Ingredients:

INGREDIENTS:

Mixture	CAS Number	Proportion
Chlorhexidine Gluconate	18472-51-0	3.07g/kg
Ponceau 4R Red Dye	2611-82-7	0.002g/kg
Tartrazine Yellow dye	1934-21-0	0.050g/kg
Ethanol	64-17-5	8.08g/kg
Benzalkonium Chloride	8001-54-5	25.07g/kg
Orisurf NP9	9016-45-9	10.85g/kg
Eucalyptus Oil	8000-48-4	2.35g/kg
Pine Oil	8002-09-3	2.38g/kg
Water	7732-18-5	948.14g/kg

Section 4: First Aid Measures:

Description of necessary first Aid measures:

Swallowed: Seek immediate medical attention. Give 3 to 4 glasses of milk. (or if unavailable, water)
DO NOT INDUCE VOMMITING.

Skin: Not normally a problem.

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Eye: Immediately rinse eyes with running water. Remove contact lenses if easy to do. Continue rinsing for 15 minutes. Seek medical advice.

Inhaled: If safe to do so, remove from exposure. Give artificial respiration if required. Seek medical attention immediately.

Workplace Facilities: Eye bath and clean running water.

Notes for Medical Personnel: Treat any symptoms symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard: Not flammable.

Fire Hazard Properties: None known.

Extinguishing Media & Methods: Use the most appropriate of dry powder, foam, carbon dioxide (CO₂) or water spray as extinguishing agent. Use the most appropriate extinguishing agent for surrounding hazards.

Recommended Protective Clothing: Use protective clothing suitable for the surrounding fire.

Section 6: Accidental Release Methods

Procedures to be covered: Contain spillage using sand or sawdust. Mop, sweep or shovel spills into labelled containers for re-use or disposal. Dilute spillage with water and collect for disposal. Dispose containers and spills in an authorised landfill. If spillage enters drains, waterways or sewers, immediately notify the local and regional authorities.

Section 7: Handling and Storage

Handling: Transport upright in original labelled container with lid securely fastened.

Handling Practices: Do not release the material to the environment.

Store Site Requirements: No special store site requirements.

Packaging: Store upright in the original, labelled container.

Section 8: Exposure Controls / Personal Protection

Workplace Exposure Standards: Composite Exposure Standard for mixture (TWA) (mg/m³)
0.1mg/m³

Engineering Controls: General exhaust is adequate under normal operating conditions.

Personal Protective Equipment (PPE): Wear eye protection if splashes are likely to occur.

General hygiene: Do not eat, drink or smoke when handling this product.

Section 9: Physical and Chemical Properties

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Physical State: Liquid.

Appearance: Yellow free flowing liquid.

Boiling Point: approximately 100°C.

Vapour Pressure: Not applicable.

Specific Gravity: 1.00 (water = 1)

Flash Point: Not flammable.

Flammability Limits: Not flammable.

Solubility in Water: Totally soluble.

Section 10: Stability and Reactivity

Stability of the Substance: Stable under normal conditions of temperature and storage.

Material to avoid: Avoid strong oxidising or reducing agents.

Hazardous decomposition Products: Toxic organic vapours or fumes – amines, CO, CO₂, nitrogen oxides, hydrogen chloride.

Hazardous polymerization: Does not occur.

Section 11: Toxicological Information

Acute Effects:

Swallowed: Accidental ingestion of the material may be harmful.

Skin: The material is not thought to produce adverse health effects or skin irritation following contact. Good hygiene practice requires that exposure is kept to a minimum and that suitable gloves be used in an occupational setting.

Eye: Direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).

Inhaled: The material is not thought to produce adverse health effects or irritation of the respiratory tract. Good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

Long Term Effects: Not known to be teratogenic.

Summarise data: LD50 Rat skin 1420mg/kg 50% Benzalkonium chloride. Extrapolates to Antiseptic & Disinfectant mixture LD50 Rat skin of 28320mg/kg

Repeated dermal applications of benzalkonium chloride or C14-C16 benzalkonium at doses of 10 mg/kg bw or more 5 times/weeks for 3 months to rats caused changes in blood cellular parameters, liver and kidney damage (no more information provided), increased body temperature and increased weight of adrenals, kidney and testes (no more experimental details were provided) (Committee for veterinary medicinal products - Benzalkonium Chloride - Summary Report. December 1997) [EMEA]

Section 12: Ecological Information

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Potential Environmental Considerations:

Very toxic to aquatic life.
Harmful to terrestrial vertebrates.

Data organisation:

For benzalkonium chloride:

Species: Lepomis macrochirus Bluegill
Endpoint: LC50, Effect: Mortality, Trend: Increasing
Medium: Fresh Water Duration: 96 Hr
Exposure Static F= 320 ug/l, Confidence Interval 223 - 460 ug/l
Title: Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals Author(s): Mayer, F.L.J., and M.R. Ellersieck Publication Year: 1986
Reference Source: Resour.Publ.No.160, U.S.Dep.Interior, Fish Wildl.Serv., Washington, DC :505 [ECOTOX]

Species: Daphnia magna Water flea,
Endpoint: LC50, Effect: Mortality
Medium: Fresh Water, 48 Hr
Exposure: Static, F= 210, 160, 160, 120, 110, 95, 39 ug/L
Title: Comparative Short-Term Research with Water-Organisms to Determine the Acute Toxicity of a Number of Biocides Author(s): Canton, J.H., and E.A.M. Mathijssen-Spiekman Publication Year: 1983
Reference Source: Rep.No.668115-001, Natl.Inst.Public Health Environ.Hyg.:6 p.(DUT) [ECOTOX]

Scenedesmus pannonicus, Green algae
Endpoint: EC50, Effect: Growth
Medium: Fresh Water, Duration: 72 Hr
Exposure: Static, F= 330, 260, 120, 80 ug/L
Title: Comparative Short-Term Research with Water-Organisms to Determine the Acute Toxicity of a Number of Biocides Author(s): Canton, J.H., and E.A.M. Mathijssen-Spiekman Publication Year: 1983
Reference Source: Rep.No.668115-001, Natl.Inst.Public Health Environ.Hyg.:6 p.(DUT) [ECOTOX]

For Chlorhexidine chloride:

Lepomis macrochirus Bluegill LC50 MOR MORT -----FW 96 h-----S F 600, 479 - 771 ppb -----344
(ECOTOX)

Daphnia magna Water flea EC50 ITX IMBL -----FW 48 h-----S F 63, 32 - 102 ppb -----344
(ECOTOX)

Environmental risk phrases:

Collect spillage. Avoid release to the environment.

Section 13: Disposal Considerations

Disposal Information: Triple wash containers with water to use. Recycle if possible. Otherwise dispose empty containers by crushing and disposing in Council landfill.

Section 14: Transport Information

Relevant information: Transport upright in the original container with the lid tightly closed.

Section 15: Regulatory Information

Regulatory status:

Antiseptic & Disinfectant

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Section 16: Other Information

Additional Information: National Poisons Centre, Department of Preventative and Social Medicine, University of Otago, P O Box 913, Dunedin, New Zealand. Phone (0800) 764-766 24 hours.

1. The above information has been compiled on the basis of good faith, and our experience from the available technical knowledge and data for this product.
 2. Where health or safety data given discloses a risk to the user or environment, it is the responsibility of the Purchaser to pass on that information to employees or those who may be using the product, ensuring that adequate safety procedures are used.
 3. No responsibility can be accepted for the wrongful or misinterpretation of this data.
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