

MATERIAL SAFETY DATA SHEET

Propercillin

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

Substance:	Water solution of ingredients. Active ingredient is a penicillin derivative.
Trade Name:	Propercillin
Product Code:	3638, 3639, 3640
Product Use:	Treatment of infections caused by penicillin sensitive organisms in horses, foals, cattle, calves, sheep, pigs, dogs and cats.

Details of the supplier of the safety data sheet:

Company name:	Ethical Agents Veterinary Marketing Limited
Company Address:	54 Hobill Avenue Wiri, Auckland 2104, New Zealand
Tel:	+64 9 262 1388
Fax:	+64 9 262 1411
Email:	info@ethicalagents.co.nz
Website:	www.eavm.nz
Emergency telephone number:	Poisons Information Centre - New Zealand ph: 0800 POISONS (0800 764 766)

SECTION 2 – HAZARDS IDENTIFICATION

Statement of Hazardous Nature

This product is classified as:	Not classified as hazardous according to the criteria of NOHSC. Not a Dangerous Good according to Dangerous Goods (DG) Code.
Risk Phrases:	Not Hazardous – No criteria found.
SUSDP Classification:	S4
ADG Classification:	None allocated. Not a Dangerous Good Under the DG Code.
UN Number:	None allocated

Emergency Overview

Physical Description & Colour:	White suspension which settles on standing, but disperses easily on shaking; supernatant is clear and slightly yellow.
Odour:	Mild odour
Major Health Hazards:	No significant risk factors have been found for this product. A significant ingredient is an antibiotic. Any person with a history of allergies to this class of substances should avoid all contact with this product as it may cause sensitisation.

Potential Health Effects

This is a pharmacologically active preparation, and contact should be avoided except in actual use. If you have come into contact with this product, seek medical attention if you feel drowsy or experience any unusual symptoms.

INHALATION:

Short Term Exposure: Significant inhalation exposure is considered to be unlikely. Available data indicates that this product is not harmful. In addition, product is unlikely to cause any discomfort or irritation.

Long Term Exposure: No data for health effects associated with long term inhalation.

SKIN CONTACT:

Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition, product is unlikely to cause any discomfort in normal use.

Long Ter Exposure: No data for health effects associated with long term eye exposure.

INGESTION:

Short Term Exposure: Significant oral exposure is considered to be unlikely. This product is unlikely to cause any irritation problems in the short or long term.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

NOSHCH: No significant ingredient is classified as carcinogenic by NOHSC.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

SECTION 3 – COMPOSITION INFORMATION ON INGREDIENTS

Ingredients

<i>Component</i>	<i>CAS – no.</i>	<i>Conc. (%w/w)</i>	<i>TWA (mg/m³)</i>	<i>STEL (mg/m³)</i>
Procaine Penicillin	54-35-3	30	Not set	Not set
Other non-hazardous ingredients	Secret	To 100	Not set	Not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5-day working week. The STEL (Short Term Exposure Limit) is an exposure value should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

SECTION 4 – FIRST AID MEASURES

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 0800 764 766 in New Zealand and is available at all times. Have this SDS with you when you call.

Self-Injection: Accidental self-injection may lead to an inflammatory response. Medical advice should be sought on the management of deep injections, particularly those near a joint or associated with bruising. If possible the application of gentle squeezing pressure with absorbent material (e.g. facial tissues) at the injection site will swab up unabsorbed vaccine. Strong squeezing of the site should be avoided. The damaged area should be thoroughly cleansed and a topical antiseptic applied

Contact or Poisoning: From the available evidence, this product would appear to offer no significant health hazard by any exposure route. Consequently, First Aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

SECTION 5 – FIREFIGHTING MEASURES

Fire and Explosion Hazards: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness.

Fire decomposition products from this product are likely to be harmful if inhaled. Take suitable protective measures.

Extinguishing Media:	Not Combustible. Use extinguishing media suited to burning materials.
Fire Fighting:	If a significant quantity of this product is involved in a fire, call the fire brigade.
Flash point:	Does not burn.
Upper Flammability Limit:	Does not burn.
Lower Flammability Limit:	Does not burn.
Autoignition temperature:	Not applicable – does not burn
Flammability Class:	Does not burn.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Accidental release: This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, refer to product label for specific instructions. No special protective clothing is normally necessary because of this product. However it is good practice to wear latex gloves when handling vaccines. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

SECTION 7 – HANDLING AND STORAGE

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Protect this product from light. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substance listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging – there may be further storage instructions on the label.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

The following Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Exposure limits have not been established by NOHSC for any of the significant ingredients in this product. No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: No special ventilation requirements are normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.

Eye Protection: Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when lengthy skin contact is likely.

Protective Material Types: There is no specific recommendation for any particular protective material type.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Standard mentioned above.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Description & colour:	White suspension which settles on standing, but disperses easily on shaking supernatant is clear and slightly yellow.
Odour:	Mild Odour
Boiling Point:	Approximately 100°C at 100kPa.
Freezing/Melting Point:	Approximately 0°C.
Volatiles:	Water component.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure).
Vapour Density:	No Data
Specific Gravity:	No Data
Water Solubility:	Completely soluble in water.
pH:	No Data
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	No Data
Coeff Oil/water Distribution:	No data
Autoignition temp:	Not applicable - Does not burn.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Conditions to Avoid:	Protect this product from light. Store in the closed original container in a dry, cool, well ventilated area out of direct sunlight.
Incompatibilities:	No particular Incompatibilities.

Fire Decomposition:	Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water, Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement, and unconsciousness followed by coma and death.
Polymerisation:	This product will not undergo polymerisation reactions.

SECTION 11 – TOXICOLOGICAL INFORMATION

Local Effects:

Target Organs: None known

Classification of Hazardous Ingredients

Ingredient**Risk Phrases**

No ingredient mentioned in the List of Designated Hazardous Substances is present in this product at hazardous concentrations.

SECTION 12 ECOLOGICAL INFORMATION-

Insufficient data to be sure of status.

SECTION 13 DISPOSAL CONSIDERATIONS-

Disposal: Dispose of empty container by wrapping with paper and putting in garbage. Discarded needles should immediately be placed in a designated and appropriately labelled sharps container.

SECTION 14 – TRANSPORT INFORMATION

DG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

SECTION 15 – REGULATORY INFORMATION

EPA: Hazard Classification 6.5B; Skin sensitization 9.1A mild aquatic

SECTION 16– OTHER INFORMATION

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

DG Code	Code for the Transport of Dangerous Goods by Road and Rail
ICS	Inventory of Chemical Substances
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOHSC:	National Occupational Health and Safety Commission
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase:	Risk Phrase
SUSDP:	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OU4R SUPPLIERS.

OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOEMRS AND IS ALSO AVAILABE ON REQUEST.