

# SAFETY DATA SHEET



Virbac New Zealand Limited.

## Masticillin

### Section 1: Identification of the Substance and Supplier

<b>Product name:</b>	<b>Masticillin</b>
<b>Recommended use:</b>	For the treatment of bacterial infections caused by Penicillin-sensitive organisms in livestock & companion animals. <b>Restricted Veterinary Medicine.</b>
<b>Company details:</b>	Virbac New Zealand Limited
<b>Address:</b>	26 -30 Maui St, Pukete Park, Hamilton
<b>Telephone number:</b>	(07) 849 6782
<b>Customer service toll free number:</b>	0800 VIRBAC (0800 847 222) (Mon – Fri, 8.30 am – 4.30 pm) www.virbac.co.nz
<b>Emergency telephone number:</b>	National Poison Center: 0800 POISON (0800 764 766) New Zealand Emergency Service 111
<b>Date of preparation:</b>	27 June 2017

### Section 2: Hazards Identification

<b>Hazard classifications:</b>	<b>6.5B, 9.1A</b>
<b>Priority identifier:</b>	<b>WARNING KEEP OUT OF REACH OF CHILDREN ECOTOXIC</b>
<b>Secondary identifiers:</b>	6.5B = May cause an allergic skin reaction 9.1A = very toxic to aquatic life
<b>Precautionary information:</b>	Keep out of reach of children. Read label before use.

Avoid breathing mist/spray  
Contaminated work clothing should not be allowed out of the workplace  
Wear eye and face protection  
Avoid release to the environment  
Collect spillage

### Section 3: Composition / Information on Ingredients

Product components:	Ingredients	CAS Number	Proportion (% w/v)
	Penicillin	6130-64-9/ 1538-09-6	30.0
	Cetrimide	8044-71-1	0.01 – 0.1

### Section 4: First Aid Measures

<b>Eye Contact:</b>	Immediately hold eyes open & wash continuously for at least 15 minutes with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart & away from eye & moving the eyelids by occasionally lifting the upper & lower lids. If discomfort persists, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
<b>Skin Contact</b>	Immediately flush body & clothes with large quantities of water. Quickly remove all contaminated clothing & footwear. Wash affected areas with water (& soap if available) for at least 15 minutes. Obtain medical attention if irritation develops. Wash clothing before re-use.
<b>Inhalation:</b>	Remove to fresh air. Lay patient down. Keep warm & rested & observe for any signs of an allergic reaction. If breathing is difficult, obtain medical attention.
<b>Ingestion:</b>	Rinse mouth with water. Give plenty of water to drink. Contact a doctor or call the National Poisons Center on 0800 POISON (0800 764 766).
<b>Workplace facilities:</b>	No specific workplace facilities required.
<b>Required instructions:</b>	Avoid contact with skin and eyes. If skin or eyes irritation occurs wash off immediately.
<b>Notes for medical personnel:</b>	If swallowed do NOT induce vomiting. Contact a doctor or call the National Poisons Center on 0800 POISON (0800 764 766)

## Section 5: Firefighting Measures

<b>Type of hazard:</b>	Non-flammable
<b>Fire hazard properties:</b>	N/A
<b>Regulatory requirements:</b>	Do not handle until all safety precautions have been read and understood.
<b>Extinguishing media and methods:</b>	Water spray or fog / foam / dry chemical powder / carbon dioxide.
<b>HAZCHEM:</b>	N/A
<b>Recommended protective clothing:</b>	Breathing apparatus for fire only.

## Section 6: Accidental Release Measures

<b>Emergency procedures:</b>	Wear sufficient respiratory protection where necessary and protective clothing to minimize skin exposure. If possible contain the spill. Place inert absorbent such as vermiculite, sand or dirt onto material.
<b>Environmental precautions</b>	Spilled product & washings must be prevented from entering any drains or waterways, or from contaminating the ground.
<b>Procedure for a spill</b>	Keep all bystanders away. Wear appropriate protective gear. Re-position any leaking containers to minimise any further leakage. Dam & absorb spill with an absorbent material (sand or soil). Shovel the absorbed material into a drum or similar robust container. Dispose of in an approved landfill. Decontaminate the spill area with detergent & water & rinse with the smallest volume of water possible.

## Section 7: Handling and Storage

<b>Precautions for safe handling:</b>	Wash hands thoroughly after handling. Wear protective gloves when handling. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Avoid contamination of any water supply with chemical or empty container.
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<b>Approved handlers:</b>	Not required
<b>Conditions for safe storage:</b>	See below
<b>Store site requirements:</b>	Keep out of reach of children. Store in original container, tightly closed, away from foodstuffs. Store upright in a cool place. Do not freeze. Protect from light. Store locked up.
<b>Packing:</b>	No specific packaging requirement.

### Section 8: Exposure Controls / Personal Protection

<b>Workplace Exposure Guidelines:</b>	No working exposure standards have been established.
<b>Exposure standards outside the workplace</b>	No tolerable exposure limit (TEL) or environmental exposure limit (EEL) are set for this substance at this time.
<b>Engineering controls:</b>	N/A
<b>Personal protective Equipment (PPE):</b>	When handling bulk quantities, wear suitable gloves, protective clothing, to avoid prolonged breathing of dust or contact of dust with skin. Wash thoroughly with soap and water after handling.

### Section 9: Physical and Chemical Properties

<b>Appearance:</b>	White suspension of penicillin in a clear or slightly yellow solution.
<b>Odour</b>	Faint, musty
<b>Specific Gravity:</b>	0.95 – 1.13 g/L
<b>pH:</b>	5.0 – 7.5
<b>Solubility in Water:</b>	Slightly soluble in water
<b>Flammability:</b>	Not highly flammable, but may burn
<b>Combustibility:</b>	The product is aqueous suspension and is not combustible until the water has been driven off by the heat.
<b>Explosive properties</b>	Not explosive
<b>Oxidising properties</b>	Not oxidizing

**Corrosiveness**

Not corrosive

### Section 10: Stability and Reactivity

<b>Stability of the substance:</b>	Stable under normal conditions of use.
<b>Conditions to avoid</b>	Temperatures exceeding 20°C or less than 2°C.
<b>Material to avoid:</b>	Solvents which may degrade the plastic container. Strong oxidising agents (e.g. peroxides, permanganates, nitric acid etc).
<b>Hazardous decomposition products:</b>	On heating to decomposition, emits toxic fumes.
<b>Hazardous polymerization:</b>	N/A
<b>Specific Data</b>	N/A

### Section 11: Toxicological Information

The information below applies to Penicillin

<b>Acute toxicity (LD50)</b>	Rat, i.v: 97 mg/kg. Mouse, i.p: 146mg/kg. Mouse, s.c: 2300mg/kg. Mouse, i.v: 119mg/kg. Rabbit, i.v: 70mg/kg
<b>Chronic toxicity</b>	NOEL (mouse, oral): < 1100 mg/kg. LOEL (mouse, oral): >2300 mg/kg.
<b>Mutagenicity</b>	Not mutagenic

### Section 12: Ecological Information

<b>Very ecotoxic in the aquatic environment</b>	Acute ecotoxicity L(E)C <sub>50</sub> ≤ 1mg/L Regardless of any persistence or bioaccumulation or chronic ecotoxicity information [ User Guide to the HSNO Thresholds and Classifications]
<b>Slightly harmful in the soil environment</b>	Slightly ecotoxic in the soil environment because of its lethal effects on a range of micro-organisms. Does not persist in the environment owing to degradation & photolysis.

### Section 13: Disposal Considerations

**Disposal information:**

Dispose of by use.  
Triple or pressure rinse container including exterior and cap. Dispose of rinsate and any undiluted chemical according to local Government requirements.  
Dispose of empty container by wrapping with paper and placing in the garbage, in accordance with the Territorial Local Authority. Avoid contamination of any water supply with chemical or empty container.  
Toxic to fish. Do not contaminate dams, rivers, streams or other waterways with product or empty container.

**Section14: Transport Information**

**Transport information:**

Under the HSNO Control EM1, the transport of quantities of this product in excess of 1L must comply with Land Transport Rule 45001 & Maritime Rule 24A in terms of labelling & documentation. Transport of any quantity by air must comply with Civil Aviation Rule 92.

**Section15: Regulatory Information**

**Registration number:**

**A008037**

For conditions of registration see <http://www.foodsafety.govt.nz>

**HSNO Classification:**

ERMA Approval Code: **HSR002362**  
Toxic: T2, T4, T5, T7.  
Identification: I1, I9, I16, I17, I18, I19, I21, I23, I28, I29  
Packaging: P1, P3, P13, P15, PG3  
Disposal: D4, D5, D6, D7, D8  
Emergency management: EM1, EM6, EM8, EM11, EM13

For a full listing of controls see <http://www.epa.govt.nz>

**Section 16: Other Information**

For product information visit the Virbac website [www.virbac.co.nz](http://www.virbac.co.nz)  
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