



Virbac New Zealand Limited

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **Masticillin**
 Product Use: For the treatment of bacterial infections caused by Penicillin-sensitive organisms in livestock & companion animals. **Restricted Veterinary Medicine.**
 Restriction of Use: Refer to Section 15
 New Zealand Supplier: **Virbac New Zealand Limited**
 Address: 26 – 30 Maui Street
 Pukete, Hamilton
 Telephone: +64 7 849 6782
 Customer Service Toll no: 0800 VIRBAC (0800 847 222) (Mon-Fri 8:30am to 4:30pm)
Emergency No: 0800 764 766 (National Poison Centre)
 Date of SDS Preparation: 9 September 2021

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

EPA Approval No: Veterinary Medicines (Limited Pack Size, Finished dose) – HSR100757

Pictograms



Signal Word: **Warning**

| GHS Classification and Category | Hazard Code | Hazard Statement |
|---|-------------|---|
| Skin sensitisation Cat. 1 | H317 | May cause an allergic skin reaction. |
| Hazardous to the aquatic environment acute/chronic Cat. 1 | H400/410 | Very toxic to aquatic life with long lasting effects. |

| Prevention Code | Prevention Statement |
|-----------------|--|
| P102 | Keep out of reach of children. |
| P103 | Read label before use. |
| P261 | Avoid breathing dust, fumes, gas, mist, vapours or spray. |
| P272 | Contaminated work clothing should not be allowed out of the workplace. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective clothing as detailed in Section 8. |

| Response Code | Response Statement |
|---------------|---|
| P101 | If medical advice is needed, have product container or label at hand. |
| P363 | Wash contaminated clothing before reuse. |
| P391 | Collect spillage. |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water. |
| P333 + P313 | If skin irritation or rash occurs: Get medical advice/attention. |

| Storage Code | Storage Statement |
|----------------|-------------------|
| None allocated | |

| Disposal Code | Disposal Statement |
|---------------|--|
| P501 | Dispose of according to Local Regulations or Authorities |

Section 3. Composition / Information on Hazardous Ingredients

| Ingredients | Wt% | CAS NUMBER. |
|---------------|------------|------------------------|
| Penicillin | 30 | 6130-64-9 1538-09-6 |
| Cetrimide | 0.01 – 0.1 | 8044-71-1 |
| Non hazardous | To bal | |

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes 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.

If on Skin 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.

If Swallowed Do not induce vomiting. Wash out mouth thoroughly with water. Give plenty of water to drink. Never give anything to the mouth of an unconscious person. Seek medical attention if needed.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion: Not applicable.

Inhalation: Not applicable.

Skin: May cause an allergic skin reaction.

Eye: Not applicable.

Notes to Doctor: If swallowed do not induce vomiting.

Section 5. Fire Fighting Measures

| | |
|---------------------|---|
| Hazard Type | Non Flammable |
| Hazards from | On heating to decomposition, emits toxic fumes. |

| | |
|---|---|
| combustion products | |
| Suitable Extinguishing media | Water spray or fog / foam / dry chemical powder / carbon dioxide. |
| Precautions for firefighters and special protective clothing | Breathing apparatus for fire only. |
| HAZCHEM CODE | 3Z |

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel.

Do not allow to enter drains and water courses.

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. Decontaminate the spill area with detergent & water & rinse with the smallest volume of water possible. Dispose of in compliance with local and/or national regulations as per Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Avoid breathing dust, fumes, gas, mist, vapours or spray.
- Contaminated work clothing should not be allowed out of the workplace.
- Wash hands thoroughly after 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.
- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- 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.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

| Substance | TWA | | STEL | |
|-----------|-----|-------------------|------|-------------------|
| | ppm | mg/m ³ | ppm | mg/m ³ |

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2020 12TH EDITION.

Engineering Controls

Product Name: **Masticillin LA**
Date of SDS: 9 September 2021

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd
Tel: 64 9 475 5240 www.techcomp.co.nz

None known.

Personal Protection Equipment



| | |
|--------------------|--|
| Eyes | Not required. |
| Skin | When handling in bulk quantities, wear suitable gloves, protective clothing. |
| Respiratory | Not required. |
| General | Wash thoroughly with soap and water after handling. |

Section 9 Physical and Chemical Properties

| | |
|---|---|
| Appearance | White suspension of penicillin in a clear or slightly yellow solution. |
| Odour | Faint, musty |
| Odour Threshold | Not available |
| pH | 5.0 – 7.5 |
| Boiling Point | Not available |
| Melting Point | Not available |
| Freezing Point | Not available |
| Flash Point | Not available |
| Flammability | Not highly flammable, but may burn |
| Combustibility | The product is aqueous suspension and is not combustible until the water has been driven off by the heat. |
| Upper and Lower Explosive Limits | Not available |
| Vapour Pressure | Not available |
| Vapour Density | Not available |
| Specific Gravity | 0.95 – 1.13g/L |
| Water Solubility | Slightly soluble in water |
| Partition Coefficient: | Not available |
| Auto-ignition Temperature | Not available |
| Decomposition Temperature | Not available |
| Kinematic Viscosity | Not available |
| Particle Characteristics | Not available |

Section 10. Stability and Reactivity

| | |
|---|---|
| Stability of Substance | This product is stable under normal conditions. |
| Possibility of hazardous reactions | Not available |
| Conditions to Avoid | Temperatures exceeding 20°C or less than 2°C. |
| Incompatible Materials | Solvents which may degrade the plastic container. Strong oxidising agents (e.g. peroxides, permanganates, nitric acid etc). |
| Hazardous Decomposition Products | On heating to decomposition, emits toxic fumes. |

Section 11 Toxicological Information

Acute Effects:

| | |
|-------------------|-----------------|
| Swallowed | Not applicable. |
| Dermal | Not applicable. |
| Inhalation | Not applicable. |

| | |
|-------------|--------------------------------------|
| Eye | Not applicable. |
| Skin | May cause an allergic skin reaction. |

Chronic Effects:

| | |
|-------------------------------|-----------------|
| Carcinogenicity | Not applicable. |
| Reproductive Toxicity | Not applicable. |
| Germ Cell Mutagenicity | Not applicable. |
| Aspiration | Not applicable. |
| STOT/SE | Not applicable. |
| STOT/RE | Not applicable. |

Information on Penicillin:

Acute Toxicity (LD50):

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

Chronic Toxicity:

NOEL (mouse, oral): < 1100 mg/kg.
 LOEL (mouse, oral): > 2300 mg/kg.

Section 12. Ecotoxicological Information

Very toxic to aquatic life with long lasting effects.
 Acute ecotoxicity L(E)C50 ≤ 1mg/L

| | |
|--------------------------------------|--|
| Product: | |
| Persistence and degradability | Does not persist in the environment owing to degradation & photolysis. |
| Bioaccumulation | No data available |
| Mobility in Soil | No data available |
| Other adverse effects | No data available |

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method:

Triple or pressure rinse container including exterior and cap. Dispose of rinsate and any undiluted chemical according to local regulations.

Dispose of empty container by wrapping with paper and placing in the garbage.

Precautions or methods to avoid:

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.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012



Road, Rail, Sea and Air Transport

| | |
|-----------------------------|--|
| UN No | 3082 |
| Class - Primary | 9 |
| Packing Group | III |
| Proper Shipping Name | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S |
| Marine Pollutant | Yes |
| Special Provisions | If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG. |

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Veterinary Medicines (Limited Pack Size, Finished dose) – HSR100757

GHS Classification:

Skin sensitisation Cat. 1

Hazardous to the aquatic environment acute/chronic Cat. 1

| HSW (HS) Regulations 2017 and EPA Notices | Trigger Quantity |
|---|------------------------------------|
| Certified Handler | Not required |
| Location Certificate | Not required |
| Tracking Trigger Quantities | Not required |
| Signage Trigger Quantities | 100L |
| Emergency Response Plan | 100L |
| Secondary Containment | 100L |
| Restriction of Use | Only use for the intended purpose. |
| ACVM Approval No See www.foodsafety.govt.nz for registration Conditions | A008037 |

Section 16 Other Information

Glossary

| | |
|------------------|---|
| Cat | Category |
| EC ₅₀ | Median effective concentration. |
| EEL | Environmental Exposure Limit. |
| EPA | Environmental Protection Authority |
| HSNO | Hazardous Substances and New Organisms. |
| HSW | Health and Safety at Work. |
| LC ₅₀ | Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it. |
| LD ₅₀ | Lethal dose to kill 50% of test animals/organisms. |
| LEL | Lower explosive level. |
| OSHA | American Occupational Safety and Health Administration. |
| TEL | Tolerable Exposure Limit. |
| TLV | Threshold Limit Value-an exposure limit set by responsible authority. |
| UEL | Upper Explosive Level |
| WES | Workplace Exposure Limit |

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2020 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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