

SAFETY DATA SHEET

Duplocillin[®] LA

Section 1: Identification of the Substance and Supplier

Product name	Duplocillin LA Liquid containing 10-20% penicillin G benzathine and 10-20% penicillin G procaine
Recommended use	Veterinary antibiotic injection for use in horses, cattle, sheep, pigs, dogs and cats
Company details	MSD Animal Health, 33 Whakatiki Street, Upper Hutt Phone: 0800 800 543 Fax: 0800 808 100 Website: www.msd-animal-health.co.nz Hours: 8 am – 5 pm, Mon – Fri
Emergency telephone	0800 764 766 (0800 POISON) 24 hours human health 0800 243 622 (0800 CHEMCALL) 24 hours
Date of preparation	September 2011

Section 2: Hazards Identification

Hazard classifications	6.5B, 9.1A
Priority identifiers	WARNING Ecotoxic
Secondary identifier	6.5B May cause an allergic skin reaction 9.1A Very toxic to aquatic organism with long lasting effects
Risk & Safety Phrases	R50 Very toxic to aquatic organisms

Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Benzathine benzylpenicillin	1538-09-6	11.25%
Procaine benzylpenicillin	54-35-3	15%
Methyl paraben	99-76-3	<1%

Section 4: First Aid Measures

Necessary first aid measures

Penicillin may cause hypersensitivity (allergy) following injection, inhalation, ingestion or skin contact. Do not handle this product if you know you are sensitised, or if you have been advised not to work with such preparations. Handle this product with great care to avoid exposure.

ACCIDENTAL SELF-INJECTION Wash and disinfect self injection injuries. Seek medical advice if irritancy or an allergic response occurs.

SKIN CONTACT In case of skin contact, while wearing protective gloves, carefully remove any contaminated clothing, including shoes, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a doctor.

EYE CONTACT In case of eye contact, immediately rinse eyes thoroughly with plenty of water. If wearing contact lenses, remove only after initial rinse, and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, consult a doctor.

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INGESTION Rinse mouth and drink a glass of water. Do not induce vomiting unless under the direction of a qualified medical professional or National Poisons Centre. If symptoms persist, consult a doctor.

INHALATION Remove to fresh air. If any trouble breathing, get immediate medical attention. Administer artificial respiration if breathing has ceased. If irritation or symptoms occur or persist, consult a doctor.

Required instructions	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.
Notes for medical personnel	Accidental self-injection: Treat symptomatically. Some risk of hypersensitivity from injection. Contamination of the needle must be considered. Inhalation: remove to fresh air & provide oxygen if breathing is difficult.

Section 5: Fire Fighting Measures

Type of hazard	Not classified as flammable. May evolve toxic gases if strongly heated. May evolve nitrogen oxides, sulphur oxides and carbon oxides when heated to decomposition.
Fire hazard properties	Not applicable
Regulatory requirements	Not applicable
Extinguishing media and methods	Carbon dioxide (CO ₂), extinguishing powder or water spray
Hazchem code	3Z (Contain spillage)
Recommended protective clothing	Wear full protective clothing and self-contained breathing apparatus (SCBA).

Section 6: Accidental Release Measures

Emergency procedures	Wear chemical resistant gloves and overalls, facemask or goggles. Prevent further spillage. Adsorb spilled product with sand or similar and place in sealable container for disposal. Wash down affected area with water plus detergent. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the local authority regarding disposal. Avoid contamination of any water source or soil with product or empty container.
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Section 7: Handling and Storage

Precautions for safe handling	Avoid contact with skin, eyes, and mucosa. Keep containers adequately sealed during material transfer, transport, or when not in use. See Section 8 (Exposure Controls) for additional guidance.
Regulatory requirements	Signage required where quantities greater than 100L are present. Emergency Plan required where quantities greater than 100L are present.
Handling practices	Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.
Approved handlers	Not required.
Conditions for safe storage	Store in original container. Keep container sealed when not in use. Keep out of reach of children.
Store site requirements	Store between 2°C to 8°C. Do not freeze

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Packaging

PG III

Section 8: Exposure Control/Personal Protection

Workplace exposure standards	No WES is set for this substance at this time.
Application in the workplace	Ensure adequate ventilation. Keep container sealed when not in use.
Exposure standards outside the workplace	No TEL or EEL is set for this substance at this time
Personal protection	Wear chemical resistant gloves, facemask or goggles.

Section 9: Physical and Chemical Properties

Appearance	White to off-white suspension
Boiling Point	Not available
Melting/Softening point	Not applicable
Vapour Pressure	Not determined
Specific Gravity	1.1073
Solubility (H ₂ O)	Soluble
Percent Volatiles	Not determined
Evaporation Rate	Not determined

Section 10: Stability and Reactivity

Stability of the substance	Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures.
Material to avoid	Avoid food products.
Hazardous decomposition products	May evolve nitrogen oxides, sulphur oxides and carbon oxides when heated to decomposition.

Section 11: Toxicological Information

Acute effects for individual ingredients only

ORAL	Benzathine benzylpenicillin LD50 (Ingestion): 2000 mg/kg (mouse) Penicillin: Produces hypersensitivity reactions [INCHEM] LD50 (Ingestion): > 2000 mg/kg (rat) Methyl paraben LD50 (Ingestion): 3000 mg/kg (guinea pig)
TEL	No TEL is set for this substance at this time.

Chronic/long term effects for individual ingredients only

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Section 12: Environmental Information

Effects for individual ingredients only.

AQUATIC Penicillin: 96Hr EC50 0.006mg/l (algae) [ERMANZ]

EEL No EEL is set for this substance at this time.

Section 13: Disposal Considerations

Disposal information

Disposal

Dispose of unused contents in a suitable landfill. Avoid contamination of any water source or the environment with product or empty container.

Container Disposal

Dispose of empty container by puncturing and burying in a suitable landfill.

Reference

Current version of NZS 8409 Management of Agrichemicals.

Section 14: Transport Information

Relevant information

UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Penicillin G Procaine) Marine Pollutant
Class 9 PG III
Limited quantities: 5L
Maximum quantity for own agricultural use: 1000L

Other requirements

Refer to Haznote.

Section 15: Regulatory Information

Regulatory status

HSNO Approval Code: HSR002359.
For a full listing of controls see www.epa.govt.nz

ACVM registration number: A4183.
For conditions of registration see www.foodsafety.govt.nz

RESTRICTED VETERINARY MEDICINE

HSNO and ACVM controls

Signage: 100 Litres
Emergency Plan: 100 Litres

Section 16: Other Information

Additional information Duplocillin is a registered trademark.

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