


SAFETY DATA SHEET

Duplocillin[®] LA

Section 1: Identification of the Substance and Supplier

Product name	Duplocillin LA
Recommended use	Veterinary antibiotic injection for use in horses, cattle, sheep, pigs, dogs and cats
Company details	Schering-Plough Animal Health Ltd 33 Whakatiki Street, Upper Hutt 5018, New Zealand 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	April 2019

Section 2: Hazards Identification

Hazard classifications	6.5B: Contact sensitiser 9.1A: Aquatic ecotoxicant
GHS Pictogram:	
Signal word	Warning
Hazard statement	H317: May cause an allergic skin reaction. H410: Very toxic to aquatic life with long lasting effects.
Prevention statement	P102: Keep out of the reach of children. P103: Read label before use. P261: Avoid breathing mist. P272: Contaminated work clothing should not be allowed out of the workplace. P280: Wear protective gloves. P273: Avoid release to the environment.
Response statement	P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P321: See first aid instruction on the label of the product. P333 + P313: If skin irritation or rash occurs: Get medical advice/attention. P362 + P364: Take off contaminated clothing and wash it before reuse. P391: Collect spillage.
Disposal	P501: Dispose of product, packaging and waste at an approved landfill or other approved facility.

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%

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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 Obtain medical attention - show this SDS. Accidental self-injection may lead to an inflammatory response and 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.

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 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.

INGESTION Rinse mouth and drink a glass of water. Do not induce vomiting unless under the direction of a qualified medical professional or Poison Control 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.

Workplace facilities

Emergency showers and eyewashes may be warranted depending on quantity and type of use.

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 (CO₂), extinguishing powder or water spray

Hazchem code

3Z (Contain spillage)

Recommended protective clothing

Wear full protective clothing and self-contained breathing apparatus (SCBA).

Duplocillin[®] LA**Section 6: Accidental Release Measures**

Personal Precautions	Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental Precautions	Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes. Avoid release to the environment.
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.

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 100 L are present. Emergency Plan required where quantities greater than 100 L are present.
Handling practices	Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.
Certified 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.
Packaging	PG III

Section 8: Exposure Control/Personal Protection

Occupational exposure limits	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.
Engineering controls	The health hazard risks of handling this material are dependent on many factors, including physical form, duration and frequency of process or task, and effectiveness of engineering controls. Site-specific risk assessments should be conducted to determine the feasibility and the appropriateness of all exposure control measures. Exposure controls for normal operating or routine procedures follow a tiered strategy. Engineering controls are the preferred means of long-term or permanent exposure control. If engineering controls are not feasible, appropriate use of personal protective equipment (PPE) may be considered as alternative control measures. Exposure controls for non-routine operations must be evaluated and addressed as part of the site-specific risk assessment.

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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

Section 12: Environmental Information

Effects for individual ingredients only.

AQUATIC	Penicillin: 96Hr EC50 0.006 mg/l (algae) [EPA NZ]
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. Where possible, dispose of unused product through AgRecovery Chemicals. 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. Where

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possible, recycle through AgRecovery. Do NOT burn.


Needle Disposal

Discarded needles should immediately be placed in a designated and appropriately labelled 'sharps' container.

Reference

Current version of NZS 8409 Management of Agrichemicals.

Section 14: Transport Information

UN Number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Penicillin G Procaine)
UN dangerous goods class and subsidiary risk	9
UN Packaging Group	PG III
Environmental hazards	Marine Pollutant
Special precautions when transporting the substance	

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
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RESTRICTED VETERINARY MEDICINE

Section 16: Other Information

Additional information	Duplocillin is a registered trademark.
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