

SAFETY DATA SHEET

Penalone®

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Section 1: Identification of the Substance and Supplier

Product name	Penalone Liquid containing 5 - 24% Penicillin G Procaine
Recommended use	Veterinary antibiotic for the treatment of mastitis in dairy cows during lactation.
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, 9.1B
Priority identifiers	WARNING Ecotoxic
Secondary identifier	6.5B May cause an allergic skin reaction 9.1B Toxic to aquatic organisms with long lasting effects
Risk & Safety Phrases	R50 Very toxic to aquatic organisms

Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Penicillin G Procaine	6130-64-9	21%
Peanut Oil	8002-03-7	70-80%
Polysorbate 80	9005-65-6	<10%

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.

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.

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 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 **Inhalation:** remove to fresh air & provide oxygen if breathing is difficult.

Section 5: Fire Fighting Measures

Type of hazard	Not classified as flammable
Fire hazard properties	Not applicable
Regulatory requirements	Not applicable
Extinguishing media and methods	Water, carbon dioxide (CO ₂), foam, or dry chemical.
Hazchem code	3Z
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 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 1000L are present. Emergency Plan required where quantities greater than 1000L 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 in a cool, dry, ventilated place away from direct heat or direct sunlight. Keep container sealed when not in use. Keep out of reach of children.
Store site requirements	Store below 25°C. Do not refrigerate or freeze.
Packaging	PGIII

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Section 8: Exposure Control/Personal Protection

Workplace exposure standards	No WES has been 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	Cream to straw coloured suspension
Boiling Point	Not determined
Melting/Softening point	Not determined
Vapour Pressure	Not determined
Specific Gravity	Not determined
Solubility (H ₂ O)	Soluble
Percent Volatiles	Not determined
Evaporation Rate	Not determined

Section 10: Stability and Reactivity

Stability of the substance	Stable under normal conditions.
Conditions to avoid	None known
Material to avoid	None known
Hazardous decomposition products	Carbon oxides (CO _x).

Section 11: Toxicological Information

Acute effects for individual ingredients only

TEL	No TEL is set for this substance at this time.
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Chronic/long term effects for individual ingredients only

Penicillin: Produces hypersensitivity reactions [INCHEM]
Peanut Oil was found to be a moderate irritant on the skin of rabbits at 100 mg/24 hour exposure.

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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 syringe by 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 PGIII
Limited quantities: 5kg
Maximum quantity for own agricultural use: 1000kg

Other requirements

Refer to Haznote.

Section 15: Regulatory Information

Regulatory status

ERMA Approval Code: HSR002361
For a full controls see www.epa.govt.nz

ACVM registration number: A7795.
For conditions of registration see www.foodsafety.govt.nz

RESTRICTED VETERINARY MEDICINE

HSNO and ACVM controls

Signage: 1000 Litres
Emergency Plan: 1000 Litres

Section 16: Other Information

Additional information

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