

SAFETY DATA SHEET

Estrumate®

Section 1: Identification of the Substance and Supplier

Product name	Estrumate Liquid containing 0.005 - 0.03% cloprostenol sodium
Recommended use	Veterinary endocrine (hormonal) agent
Company details	Schering-Plough Animal Health Limited 33 Whakatiki Street, Upper Hutt Phone: 0800 800 543 Fax: 0800 808 100 Website: www.spah.co.nz Hours 8am – 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	January 2007

Section 2: Hazards Identification

Hazard classifications	6.8A, 6.9A
Priority identifiers	Danger
Secondary identifier	6.8A May damage fertility or the unborn child 6.9A May cause damage to the respiratory system through prolonged or repeated exposure at high doses
Risk & Safety Phrases	R60 May impair fertility R61 May cause harm to the unborn child

Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Cloprostenol sodium	55028-72-3	0.0263%

Section 4: First Aid Measures

Necessary first aid measures	<p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p>
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Required instructions	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.
Notes for medical personnel	Ingestion: don't induce vomiting if unconscious/drowsy. If within 15 minutes of ingestion, give no more than 2 glasses of water & 2 tablespoons syrup of ipecac to induce vomiting. 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
Fire hazard properties	Not applicable
Regulatory requirements	Not applicable
Extinguishing media and methods	Carbon dioxide (CO ₂), extinguishing powder or water spray
Hazchem code	Not applicable
Recommended protective clothing	Wear full protective clothing and self-contained breathing apparatus (SCBA).

Section 6: Accidental Release Measures

Emergency procedures	Eliminate all ignition sources and naked lights. Use non-sparking utensils. Wear chemical resistant overalls and gloves, 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.
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Section 7: Handling and Storage

Precautions for safe handling	Keep containers adequately sealed during material transfer, transport, or when not in use. See Section 8 (Exposure Controls) for additional guidance.
Regulatory requirements	An emergency response plan is required for quantities greater than 10,000L.
Handling practices	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. Store away from Class 5 (Oxidisers), foodstuffs, children and animals. Keep container sealed when not in use.
Store site requirements	Store in a cool, dry, well ventilated area.
Packaging	PG III

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Section 8: Exposure Control/Personal Protection

Workplace exposure standards	No WES have been set for this substance
Application in the workplace	Ensure adequate ventilation. Keep container sealed when not in use.
Exposure standards outside the workplace	No TEL or EEL are applicable for this substance
Personal protection	Wear chemical resistant overalls and 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.

Section 9: Physical and Chemical Properties

Appearance	Colourless to clear blue solution
Boiling Point	Not determined
Melting/Softening point	Not determined
Vapour Pressure	Not determined
Specific Gravity	Approximately 1.0
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	Open flames and high temperatures.
Material to avoid	Strong acids and bases. Oxidisers.
Hazardous decomposition products	Carbon oxides (CO _x)

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Section 11: Toxicological Information

Acute effects for individual ingredients only

ORAL	Cloprostenol: Oral LD50: 25 mg/kg (rats) Cloprostenol: The oral no effect level in rats and marmosets is 50 µg/kg/day and in hamsters 10ug/kg/day.
TEL	No TEL is set for this substance at this time.

Chronic/long term effects for individual ingredient only

Cloprostenol: risk of the risk of bronchospasm following accidental self injection or absorption following skin contact in people who have an asthmatic condition [ERMANZ]

Section 12: Environmental Information

Effects for individual ingredient only

AQUATIC	Not applicable
EEL	No EEL has been set for this substance at this time.

Section 13: Disposal Considerations

Disposal information	Disposal Dispose of this product only by using according to the label, or at an approved landfill, or other approved facility. Container Disposal Bury in an approved landfill.
Reference	Current version of NZS 8409 Management of Agrichemicals

Section 14: Transport Information

Relevant information	Not classified as a dangerous good for transport.
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Section 15: Regulatory Information

Regulatory status	ERMA Approval Code: HSR002169 For full listings of controls see www.ermanz.govt.nz ACVM Registration No: A2698. For conditions of registration see www.nzfsa.govt.nz/acvm/ Prescription Animal Remedy (P.A.R) Class I. For use only under the authority or prescription of a veterinarian.
HSNO and ACVM controls	Emergency Plan: 10,000 Litres

Section 16: Other Information

Additional information	® Registered trademark of Schering-Plough Animal Health Limited.
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Schering-Plough urges each user or recipient of this SDS to read the entire data sheet to become aware of the potential hazards associated with this material. This SDS summarises, at the date of issue, our best knowledge of the health and safety hazard information. Although reasonable care has been taken in the preparation of this document, Schering-Plough Animal Health Ltd extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).