

# SAFETY DATA SHEET

## Estrumate®

### Section 1: Identification of the Substance and Supplier

<b>Product name</b>	<b>Estrumate</b>  Liquid containing 0.005 - 0.03% cloprostenol sodium
<b>Recommended use</b>	Veterinary endocrine (hormonal) agent
<b>Company details</b>	<b>MSD Animal Health, 33 Whakatiki Street, Upper Hutt</b>  Phone: 0800 800 543 Fax: 0800 808 100 Website: <a href="http://www.msd-animal-health.co.nz">www.msd-animal-health.co.nz</a> Hours: 8 am – 5 pm, Mon – Fri
<b>Emergency telephone</b>	<b>0800 764 766 (0800 POISON) 24 hours human health</b> <b>0800 243 622 (0800 CHEMCALL) 24 hours</b>
<b>Date of preparation</b>	September 2011

### Section 2: Hazards Identification

<b>Hazard classifications</b>	6.8A, 6.9A
<b>Priority identifiers</b>	<b>DANGER</b>
<b>Secondary identifier</b>	6.8A May damage fertility or the unborn child from repeated oral exposure. 6.9A May cause damage to the respiratory system through prolonged or repeated exposure at high doses
<b>Risk &amp; Safety Phrases</b>	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

<b>Necessary first aid measures</b>	<p><b>ACCIDENTAL SELF-INJECTION</b> Wash and disinfect self injection injuries. Seek medical advice if irritancy or an allergic response occurs – show this SDS.</p> <p><b>SKIN CONTACT</b> 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><b>EYE CONTACT</b> 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><b>INGESTION</b> 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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**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.

<b>Required instructions</b>	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.
<b>Notes for medical personnel</b>	<p>Ingestion: don't induce vomiting if unconscious/drowsy. If within 15 minutes of ingestion, give no more than 2 glasses of water &amp; 2 tablespoons syrup of ipecac to induce vomiting.</p> <p>Inhalation: remove to fresh air &amp; provide oxygen if breathing is difficult</p> <p>Accidental self-injection: Treat symptomatically. Contamination of the needle must be considered.</p> <p>Note: risk of the risk of bronchospasm following accidental self injection or absorption following skin contact in people who have an asthmatic condition.</p>

### Section 5: Fire Fighting Measures

<b>Type of hazard</b>	Not classified as flammable
<b>Fire hazard properties</b>	Not applicable
<b>Regulatory requirements</b>	Not applicable
<b>Extinguishing media and methods</b>	Carbon dioxide (CO <sub>2</sub> ), extinguishing powder or water spray
<b>Hazchem code</b>	Not applicable
<b>Recommended protective clothing</b>	Wear full protective clothing and self-contained breathing apparatus (SCBA).

### Section 6: Accidental Release Measures

<b>Emergency procedures</b>	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

<b>Precautions for safe handling</b>	Keep containers adequately sealed during material transfer, transport, or when not in use. See Section 8 (Exposure Controls) for additional guidance.
<b>Regulatory requirements</b>	An emergency response plan is required for quantities greater than 10,000L.
<b>Handling practices</b>	Keep containers adequately sealed during material transfer, transport, or when not in use.
<b>Approved handlers</b>	Not required.
<b>Conditions for safe storage</b>	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.
<b>Store site requirements</b>	Store in a cool, dry, well ventilated area.
<b>Packaging</b>	PG III

### Section 8: Exposure Control/Personal Protection

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

### Section 9: Physical and Chemical Properties

Appearance	Clear, colourless solution
Boiling Point	Not determined
Melting/Softening point	Not determined
Vapour Pressure	Not determined
Specific Gravity	Approximately 1.0
Solubility (H <sub>2</sub> O)	Soluble
Percent Volatiles	Not determined
Evaporation Rate	Not determined

### Section 10: Stability and Reactivity

<b>Stability of the substance</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	Open flames and high temperatures.
<b>Material to avoid</b>	Strong acids and bases. Oxidisers.
<b>Hazardous decomposition products</b>	Carbon oxides (CO <sub>x</sub> )

### 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

<b>Disposal information</b>	<b>Disposal</b> Dispose of unused contents in a suitable landfill.
	<b>Container Disposal</b> Dispose of empty container by burying in a suitable landfill, or recycle.
<b>Reference</b>	Current version of NZS 8409 Management of Agrichemicals

### Section 14: Transport Information

<b>Relevant information</b>	Not classified as a dangerous good for transport.
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### Section 15: Regulatory Information

<b>Regulatory status</b>	ERMA Approval Code: HSR002169 For full listings of controls see <a href="http://www.epa.govt.nz">www.epa.govt.nz</a>  ACVM Registration No: A2698. For conditions of registration see <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a>
	<b>RESTRICTED VETERINARY MEDICINE</b>
<b>HSNO and ACVM controls</b>	<b>Emergency Plan:</b> 10,000 Litres

### Section 16: Other Information

<b>Additional information</b>	Estrumate is a registered trademark.
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