

SAFETY DATA SHEET

Revalor S

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Section 1: Identification of the Substance and Supplier

Product name	Revalor-S Implant containing 7-13% Oestradiol and 60-75% Trenbolone acetate.
Recommended use	Steer growth promotant and finishing implant.
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	6.1D, 6.7A, 6.8A, 6.9B, 9.3C
Priority identifiers	DANGER - Keep out of reach of children
Secondary identifier	6.1D May be harmful if swallowed, inhaled or absorbed through the skin 6.7A May cause cancer 6.8A May damage fertility or the unborn child from repeated oral exposure 6.9B May cause damage to the endocrine and reproductive systems through prolonged or repeated oral exposure at high doses. 9.3C Harmful to terrestrial vertebrates
Risk & Safety Phrases	R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed R45 May cause cancer R60/61 May impair fertility/cause harm to the unborn child

Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Trenbolone acetate	10161-34-9	62.5%
Beta- Oestradiol	50-28-2	10 – 20%
Cholesterol powder	57-88-5	10 – 20%

Section 4: First Aid Measures

Necessary first aid measures	<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</p>
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unless under the direction of a qualified medical professional or National Poisons Centre. If symptoms persist, consult a doctor.

INHALATION Remove to fresh air and provide oxygen if necessary. 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 Pharmacological action of the preparation is protein anabolism.

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 allocated
Recommended protective clothing	Wear self-contained breathing apparatus (SCBA) plus protective gloves.

Section 6: Accidental Release Measures

Emergency procedures	Wear chemical resistant gloves and overalls, facemask or goggles. Prevent further spillage. Recover and salvage product where possible. Otherwise sweep up and collect and place in sealable container for disposal. Avoid generating and spreading of dust. 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 10,000kg are present. Emergency Plan required where quantities greater than 1000kg 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 unopened product at room temperature. Avoid excessive heat and humidity.
Packaging	PG III

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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 is set for this substance at this time No 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	Yellow tablets
Boiling Point	Not applicable
Melting/Softening point	Not determined
Vapour Pressure	Not applicable
Specific Gravity	Not applicable
Solubility (H ₂ O)	Not determined
Percent Volatiles	Not determined
Evaporation Rate	Not determined

Section 10: Stability and Reactivity

Stability of the substance	Stable under normal conditions.
Conditions to avoid	Avoid high temperatures
Material to avoid	Avoid food products
Hazardous decomposition products	May evolve toxic gases if heated to decomposition.

Section 11: Toxicological Information
Acute effects for individual ingredients only

ORAL	Trenbolone acetate: LD50 1000mg/kg bw (dogs) [ERMA]
TEL	No TEL is set for this substance at this time.

Chronic/long term effects for individual ingredients only

Trenbolone – NOEL 40 µ/kg per day.

Beta-Oestradiol – chronic use may result in oedema, leg cramps, gynecomastia, porphyria cutanea tara and chloasma. Chronic use has also been associated with an increased risk of thromboembolic disease, endometrial and breast cancer.

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Section 12: Environmental Information

Effects for individual ingredients only.

TERRESTRIAL VERTEBRATES	Trenbolone acetate: EC50 (96hr) 1000mg/kg bw (dogs) [ERMA]
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.
	Container Disposal Dispose of empty container by burying in a suitable 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	HSNO Approval Code: HSR002274. For a full listing of controls see www.epa.govt.nz
	ACVM registration number: A005018. For conditions of registration see www.foodsafety.govt.nz
RESTRICTED VETERINARY MEDICINE	
HSNO and ACVM controls	Signage: 10,000 Kg Emergency Plan: 1000kg

Section 16: Other Information

Additional information	Revalor is a trademark
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