

# SAFETY DATA SHEET

## Revalor S

Page 1 of 5

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

<b>Product name</b>	<b>Revalor-S</b> Implant containing 7-13% Oestradiol and 60-75% Trenbolone acetate.
<b>Recommended use</b>	Steer growth promotant and finishing implant.
<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>	6.1D, 6.7A, 6.8A, 6.9B, 9.3C
<b>Priority identifiers</b>	<b>DANGER - Keep out of reach of children</b>
<b>Secondary identifier</b>	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
<b>Risk &amp; Safety Phrases</b>	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

<b>Necessary first aid measures</b>	<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.  <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.  <b>INGESTION</b> Rinse mouth and drink a glass of water. Do not induce vomiting
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# SAFETY DATA SHEET

## Revalor S

Page 2 of 5

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

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

### Section 6: Accidental Release Measures

<b>Emergency procedures</b>	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

<b>Precautions for safe handling</b>	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.
<b>Regulatory requirements</b>	Signage required where quantities greater than 10,000kg are present. Emergency Plan required where quantities greater than 1000kg are present.
<b>Handling practices</b>	Avoid contact with skin. 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. Keep container sealed when not in use. Keep out of reach of children.
<b>Store site requirements</b>	Store unopened product at room temperature. Avoid excessive heat and humidity.
<b>Packaging</b>	PG III

## Revalor S

Page 3 of 5

**Section 8: Exposure Control/Personal Protection**

<b>Workplace exposure standards</b>	No WES is set for this substance at this time.
<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 is set for this substance at this time No EEL is set for this substance at this time
<b>Personal protection</b>	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 <sub>2</sub> O)	Not determined
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>	Avoid high temperatures
<b>Material to avoid</b>	Avoid food products
<b>Hazardous decomposition products</b>	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.

# SAFETY DATA SHEET

## Revalor S

Page 4 of 5

### 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

<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.
<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>	HSNO Approval Code: HSR002274. For a full listing of controls see <a href="http://www.epa.govt.nz">www.epa.govt.nz</a>  ACVM registration number: A005018. 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>Signage:</b> 10,000 Kg <b>Emergency Plan:</b> 1000kg

### Section 16: Other Information

<b>Additional information</b>	Revalor is a trademark
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