

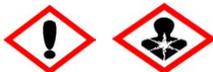
SAFETY DATA SHEET

Halocur[®]

Section 1: Identification of the Substance and Supplier

Product name	Halocur
Recommended use	Oral veterinary medicine for calves to prevent or treat scours.
Company details	Schering-Plough Animal Health 33 Whakatiki Street, Upper Hutt 5018, New Zealand 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	April 2019

Section 2: Hazards Identification

Hazard classifications	6.4A: Eye irritant 6.5B: Contact sensitiser 6.9B: Target organ systemic toxicant 9.1C: Aquatic ecotoxicant
GHS Pictogram:	
Signal word	Warning
Hazard statement	H317: May cause an allergic skin reaction. H320: Causes eye irritation. H373: May cause damage to the liver, blood and the haematopoietic systems through prolonged or repeated oral exposure. H412: Harmful to aquatic life with long lasting effects.
Prevention statement	P102: Keep out of the reach of children. P103: Read label before use. P260: Do not breathe mist. P264: Wash contacted areas thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace. P273: Avoid release to the environment. P280: Wear protective gloves, protective clothing and eye or face protection.
Response statement	P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P314: Get medical advice/attention if you feel unwell. P321: See first aid instruction on the registered label. P333 + P313: If skin irritation or rash occurs: Get medical advice/attention. P337 + P313: If eye irritation persists: Get medical advice/attention. P362 + P364: Take off contaminated clothing and wash it before reuse.
Disposal	P501: Dispose of product, packaging and waste at an approved landfill or other approved facility.

Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Halofuginone base (as lactate salt)	82186-71-8	0.05%

Section 4: First Aid Measures

Necessary first aid measures	<p>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 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> <p>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.</p>
Required instructions	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.
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	None allocated
Recommended protective clothing	Wear self-contained breathing apparatus (SCBA) plus protective gloves.

Section 6: Accidental Release Measures

Personal Precautions	Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Environmental Precautions	Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes. Avoid release to the environment.
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.

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 1000 L are present. Emergency Plan required where quantities greater than 1000 L are present.
Handling practices	Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.
Certified 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 30°C (room temperature). Do not store for prolonged periods in direct sunlight.
Packaging	Schedule 4 (limited quantities)

Section 8: Exposure Control/Personal Protection

Occupational exposure limits	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 or EEL is set for this substance at this time The Acceptable Daily Exposure (ADE) of 0.0003 mg/kg bw/day (halofuginone lactate).
Personal protection	Wear chemical resistant 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	Canary yellow homogenous liquid
Boiling Point	~ 100°C at 100kPa
Melting/Softening point	Not applicable
Vapour Pressure	Ps (100°C) ≤ 4.10 ⁻¹⁰ mmHG (active)
Specific Gravity	Not available

Halocur[®]

Solubility (H ₂ O)	Miscible
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 and sunlight.
Material to avoid	Avoid food products
Hazardous decomposition products	Carbon oxides (CO _x), Sulphur oxides (SO _x), and Nitrogen oxides (NO _x).

Section 11: Toxicological Information**Acute effects for individual ingredients only**

ORAL	Halofuginone: LD50 4.4 mg/kg (mouse)
TEL	No TEL is set for this substance at this time.

Chronic/long term effects for individual ingredients only**Section 12: Environmental Information****Effects for individual ingredients only.**

AQUATIC	Halofuginone: Blue sunfish LC50 (96hr) 0.012 mg/L
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. Where possible, dispose of unused product through AgRecovery Chemicals. Avoid contamination of any water source or the environment with product or empty container. Container Disposal Dispose of empty container by puncturing and burying in a suitable landfill. Where possible, recycle through AgRecovery. Do NOT burn.
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: HSR007921.
For a full listing of controls see www.epa.govt.nz

ACVM registration number: A009802.
For conditions of registration see www.foodsafety.govt.nz

RESTRICTED VETERINARY MEDICINE

Section 16: Other Information

Additional information

Halocur is a registered trademark.

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