



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER

Product name:	REWARD® Minidose Trough Treatment
ACVM approval code:	A010864
Recommended use:	As an aid in the control of ketosis and in the reduction of bloat in cattle
Company name:	Alleva Animal Health Limited
Address:	1/116a Harris Road, East Tamaki, Auckland, 2013, New Zealand
Telephone:	0064-9-4181405
Emergency telephone number:	National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111
Date of Preparation	10 August 2020 v2
Restrictions of Use	Refer to Section 15

SECTION 2: HAZARDS IDENTIFICATION

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: - HSR002317

Pictograms



Toxic Corrosive Ecotoxic

Signal Word: DANGER

HSNO Class.	Hazard Code	Hazard Statement	GHS Category
6.1B (oral)	H300	Fatal if swallowed.	Acute Tox. 2
6.1B(dermal)	H310	Fatal in contact with skin.	Acute Tox. 2
6.1B (inhalation)	H330	Fatal if inhaled.	Acute Tox. 2
6.3B	H316	Causes mild skin irritation.	Skin Irrit. 3



6.5B	H317	May cause an allergic skin reaction.	Skin Sens. 1
8.3A	H318	Causes serious eye damage.	Eye Corr. 1
9.1D	H401	Toxic to aquatic life.	Aquatic Chronic 4
9.2D	H423	Harmful to the soil environment.	-
9.3A	H431	Very toxic to terrestrial vertebrates.	-

Prevention Code Prevention Statement

P102	Keep out of reach of children.
P103	Read label before use.
P260	Do not breathe fumes, vapours or spray.
P262	Do not get in eyes, on skin, or on clothing.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing.
P284	Wear respiratory protection.

Response Code Response Statement

P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P330	Rinse mouth.
P331	Do NOT induce vomiting.
P361	Remove/Take off immediately all contaminated clothing.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P350	IF ON SKIN: Gently wash with plenty of soap and water.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Storage Code Storage Statement

P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

Disposal Code Disposal Statement

P501	Dispose of according to Local Regulations or Authorities
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SECTION 3: COMPOSITION

Product form:	Liquid	
Product Components:		
Name	CAS	Proportion
Monensin sodium	22373-78-0	12.6% w/v
Methyl paraben	5026-62-0	<1% w/v
Propyl paraben	35285-69-9	<1% w/v
Other excipients		to 100%

SECTION 4: FIRST AID MEASURES

Necessary first aid measures:	<p>General Information: Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport in a stable lateral position. Take container/label or MSDS for identification.</p> <p>Skin Contact: Immediately remove all contaminated clothing, including footwear. Wash with water for 15 minutes. Wash contaminated clothing before reuse. Get immediate medical attention.</p> <p>Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Apply continuous irrigation with water for at least 15 minutes holding eyelids apart. Get immediate medical attention.</p> <p>Ingestion: Rinse mouth with water. Seek immediate medical assistance. DO NOT induce vomiting. Never give anything by mouth to an unconscious Person.</p> <p>Inhalation: Remove patient to fresh air, avoid breathing vapours yourself. If not breathing apply resuscitation. Seek medical assistance.</p>
Workplace facilities:	No special facilities required.
Required instructions:	Observe good work practices and avoid skin and eye contact. Wash hands and exposed skin before meals and after use. Do not eat or drink while using. Launder protective clothing separately from other clothing and before each reuse.
Most important symptoms and effects,	Fatal if swallowed. Fatal in contact with skin. Fatal if inhaled. Causes mild skin irritation.



both acute and delayed	May cause an allergic skin reaction. Causes serious eye damage.
Notes for medical personnel:	There is no specific antidote. Apply symptomatic therapy.

SECTION 5: FIRE FIGHTING MEASURES

Type of hazard:	Non-flammable.
Fire hazard properties:	Carbon monoxide, carbon dioxide. Possible toxic and corrosive fumes.
Extinguishing media and methods:	Use waterjet, CO ₂ , chemical foam, or dry powder for extinction. Protect or isolate drains to keep product out of water and the environment
Hazchem code:	1X
Recommended protective clothing:	Fire fighters should wear self- contained breathing apparatus in enclosed areas. Fight fire in the early stages if it is safe to do so.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear suitable protective clothing. Restrict access to contaminated area.
Environmental Precautions:	Contain the spill and prevent further dispersion. Prevent contamination of water courses and sewers.
Procedure for Spills:	Retrieve intact containers from the site. Place damaged containers into containment devices. Absorb spills with inert material and place in waste containers. Wash the area with water and absorb further inert material. Collect spilled material and place in sealable containers for subsequent disposal.
Procedure for Disposal:	Contaminated material must be disposed of at an approved landfill or other approved facility in accordance with local, regional and national requirements. Avoid contamination of any water supply with product or empty container.



SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	<ul style="list-style-type: none"> • Read label before use. • Do not breathe fumes, vapours or spray. • Do not get in eyes, on skin, or on clothing. • Wash hands thoroughly after handling. • Do not eat, drink or smoke when using this product. • Use only outdoors or in a well-ventilated area. • Contaminated work clothing should not be allowed out of the workplace. • Avoid release to the environment. • Wear protective clothing. • Wear respiratory protection.
Certified Handlers:	Required
Conditions for safe storage:	<ul style="list-style-type: none"> • Store in a cool and dry environment. • Keep out of reach of children. Keep locked away so that unauthorised persons do not have access. • Keep away from food, drink and animal feeding stuffs and incompatible materials listed in Section 10.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)


Substance	TWA ppm mg/m ³	STEL ppm mg/m ³
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No substance has exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation,



chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11th EDITION.

Engineering controls:	Use in a well-ventilated area
Personal protection: 	Respiratory protection: Use a cartridge respirator rated for fine particles. Replace cartridges regularly. Hand protection: Protective gloves for chemical use including nitriles. Eye protection: Avoid contact with eyes. Do not spray near eyes. Use safety glasses and or chemical splash goggles if splashes are possible. Avoid wearing contact lenses. Hygiene procedures: Keep the place of work clean. Avoid contact with product. Keep working clothes separate. Change badly soiled or soaked clothing. Wash hand before breaks and at the end of work. Remove contaminated protective clothing. Keep away from food stuffs, drinks and tobacco.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Specific product data:	
Appearance	White to pale yellow liquid
Odour	Mild
Odour Threshold	Not applicable
pH	6-8
Boiling Point	Not applicable
Melting Point	Not applicable
Freezing Point	Not applicable
Flash Point	>93°C
Flammability	Not applicable
Upper and Lower Exposure Limits	Not applicable
Vapour Pressure	Not applicable
Vapour Density	Not applicable
Specific Gravity / Density	1.02 – 1.06g/mL at 20°C
Solubilities	Insoluble
Partition Coefficient:	Not applicable
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not applicable
Kinematic Viscosity	Not applicable
Particle Characteristics	Not applicable



SECTION 10: STABILITY AND REACTIVITY

Stability of the substance:	Stable under normal conditions of storage and use
Conditions to avoid:	Excessive temperatures, direct sunlight
Material to avoid:	Strong acids, alkalis, reducing agents, oxidising agents.
Hazardous decomposition products:	None if stored and handled correctly

SECTION 11: TOXICOLOGICAL INFORMATION

Acute effects:	
Swallowed Dermal Inhalation Eye Skin	Fatal if swallowed. Fatal in contact with skin. Fatal if inhaled. Causes serious eye damage. Causes mild skin irritation. May cause an allergic skin reaction.
Chronic and long-term effects:	
Reproductive Systemic	Suspected of damaging fertility or the unborn child.
Carcinogenicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
STOT/RE	Not applicable.

SECTION 12: ENVIRONMENTAL INFORMATION

Ecotoxicity effects:	
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HSNO Classes: 9.1D = Toxic to aquatic life.
9.2D = Harmful to the soil environment.
9.3A = Very to terrestrial vertebrates.

Persistence and degradability	No data available on product.
Bioaccumulation	No data available on product.
Mobility in Soil	No data available on product.
Other adverse effects	None known.

Do not allow to enter waterways.



SECTION 13: DISPOSAL CONSIDERATIONS

Product disposal:	Preferably dispose of product by use in accordance with label directions. Otherwise dispose of product at an approved landfill, or other approved facility in accordance with local, regional and national regulations. Avoid contamination of any water supply with product. Ensure waste container containing product or rinsate is labelled "Hazardous Waste – Ecotoxic"
Container disposal:	Dispose of empty containers by triple rinsing with water before wrapping in paper and putting in garbage for disposal at an approved landfill, or other approved facility in accordance with local, regional and national regulations. Avoid contamination of any water supply with empty container.

SECTION 14: TRANSPORT INFORMATION

Road, Rail and Marine:	
UN No.:	1851
Class:	6.1
Packing Group:	III
Hazchem Code:	2X
Proper Shipping Name:	MEDICINE, LIQUID, TOXIC, N.O.S. (monensin Sodium)
The maximum quantity per package of this substance allowed for carriage on public transport is 1L	

This product is classified as a Dangerous Good for transport in NZ: NZS 5433:2012

SECTION 15: REGULATORY INFORMATION

Regulatory status:	EPA Approval Code HSR002317
Please refer to the controls document on www.epa.govt.co.nz for full details.	
HSW (HS) Regulations 2017	Trigger Quantity
Signage Trigger Quantities (Schedule 3)	250L (6.1B)
Emergency Response Plan (Schedule 5)	100L (6.1B)
Secondary Containment (Schedule 5)	100L (6.1B)
Tracking (Schedule 26)	Yes any quantity (6.1B)
Certified Handlers	Yes any quantity (6.1B)
Location Certificate	250L (6.1B)



HSNO Additional Controls (Restrictions of use)	
	Use for intended use only
ACVM Act and Regulations	
ACVM Approval No See www.foodsafety.govt.nz for registration controls	A011042

SECTION 16: OTHER INFORMATION

Glossary

EC50 Median effective concentration.

EEL Environmental Exposure Limit.

EPA Environmental Protection Authority

HSNO Hazardous Substances and New Organisms.

HSW Health and Safety at Work.

LC50 Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.

LD50 Lethal dose to kill 50% of test animals/organisms.

LEL Lower explosive level.

OSHA American Occupational Safety and Health Administration.

TEL Tolerable Exposure Limit.

TLV Threshold Limit Value-an exposure limit set by responsible authority.

UEL Upper Explosive Level

WES Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. ALLEVA Animal Health Limited makes no warranty with respect hereto and disclaims all liability from reliance thereon.

Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

PLEASE READ ALL LABELS CAREFULLY BEFORE USING PRODUCT.



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