



## SAFETY DATA SHEET

According to  
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

### Section 1. Identification of the material and the supplier

Product: **Rumetrace magnesium capsules**  
 Product Use: As an aid in the prevention of grass tetany / staggers (hypomagnesaemia) in lactating cattle  
 Restriction of Use: Refer to Section 15  
 New Zealand Supplier: **AgriHealth NZ Limited**  
 Address: Level 2, 89 Grafton Road, Auckland 1010  
 Telephone: +64 9 215 1199  
**Emergency No:** **0800 764 766 (National Poisons Centre)**  
 Date of SDS Preparation: **01 August 2025**

### Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

### Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS number
Magnesium	85 – 95%	7439-95-4
Aluminium	8.3 – 9.6%	7429-90-5
Zinc	0.7 – 1.2%	7440-66-6
Manganese	0.13 – 0.29%	7439-96-5
Silicon	<0.07%	7440-21-3
Copper	0.01 – 0.05%	7440-50-8
Iron	0.015 – 0.03%	7439-89-6
Nickel	0.001 – 0.002%	7440-02-0
Additive(s)	<0.2%	-

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes: If eye contact occurs flush eyes with 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.

If on Skin: If skin contact occurs remove contaminated clothing and wash skin with soap and water. If skin irritation, rash or symptoms occur or persist, consult a doctor.

If Swallowed: If swallowed seek medical attention. DO NOT induce vomiting.

If inhaled

If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Rest and keep warm.

**Most important symptoms and effects, both acute and delayed symptoms:**

None known.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Non-Flammable
<b>Hazards from combustion products</b>	May evolve carbon oxides, nitrogen oxides, magnesium oxides and hydrocarbons when heated to decomposition.
<b>Suitable Extinguishing media</b>	Carbon dioxide (CO <sub>2</sub> ), extinguishing powder, foam or water spray
<b>Precautions for firefighters and special protective clothing</b>	Wear full protective clothing and self-contained breathing apparatus (SCBA)
<b>HAZCHEM CODE</b>	<b>Not applicable</b>

**Section 6. Accidental Release Measures**

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Prevent further spillage.

Collect spilled product and place in sealable container for disposal. Dispose as per Section 13.

**Section 7. Handling and Storage****Precautions for Handling:**

- Read label carefully and follow all instructions
- Avoid repeated or prolonged contact with skin and eyes.

**Precautions for Storage:**

- Store away from incompatible materials listed in Section 10
- Store away from light below 30°C
- Keep containers adequately sealed during material transfer, transport or when not in use
- Keep out of reach of children
- Store in original containers in a cool, dry, ventilated place
- Keep containers sealed when not in use
- Keep out of reach of children

**Section 8. Exposure Controls / Personal Protection****WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Ingredient	Reference	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Aluminium & compounds	SWA [proposed]	--	1	--	--
Aluminium (metal dust)	SWA [AUS]	--	10	--	--
Copper (fume)	SWA [AUS]	--	0.2	--	--
Copper (fume, dusts & mists)	SWA [proposed]	--	0.01	--	--
Copper, dusts & mists (as Cu)	SWA [AUS]	--	1	--	--
Iron oxide fume (Fe <sub>2</sub> O <sub>3</sub> ) (as Fe)	SWA [AUS]	--	5	--	--
Iron salts, soluble, as Fe	SWA [AUS]	--	1	--	--

Manganese, dust & compounds (as Mn)	SWA [AUS]	--	1	--	--
Manganese, fume (as Mn)	SWA [AUS]	--	1	--	3
Nickel, metal	SWA [AUS]	--	1	--	--
Nickel, soluble compounds (as Ni)	SWA [AUS]	--	0.1	--	--
Silicon	SWA [AUS]	--	10	--	--

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 (WES-STEL). 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 APR 2022 13TH EDITION.

### Engineering Controls

Engineering controls should be used as the primary means to control exposures. Keep airborne contamination levels below the exposure limits listed above in this section. General room ventilation is adequate unless the process generates dust, mist or fumes.

### Personal Protection Equipment



<b>Eyes</b>	Wear safety glasses or goggles
<b>Hands</b>	Wear PVC or rubber gloves
<b>Respiratory</b>	Where an inhalation risk exists, wear a Class P1 (Particulate) respirator

## Section 9. Physical and Chemical Properties

<b>Appearance</b>	Large oblong cylinders with a shiny silver appearance
<b>Colour</b>	Grey-silver
<b>Odour</b>	Slight odour
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	1107°C
<b>Melting Point</b>	650°C
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	560°C
<b>Flammability</b>	Not flammable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Density</b>	Not available
<b>Water Solubility</b>	Decomposes
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not available

**Section 10. Stability and Reactivity**

<b>Stability of Substance</b>	This product is stable under normal conditions of use and storage
<b>Possibility of hazardous reactions</b>	No hazardous reactions known.
<b>Conditions to Avoid</b>	Elevated temperatures and sources of ignition.
<b>Incompatible Materials</b>	Incompatible with oxidising agents (e.g. hypochlorites), acids, alkalis, chlorine, bromine, iodine, heat and ignition sources.
<b>Hazardous Decomposition Products</b>	May evolve carbon oxides, nitrogen oxides, magnesium oxides and hydrocarbons when heated to decomposition.

**Section 11. Toxicological Information**

**Acute Effects:** This product is expected to be of low acute toxicity. Under normal conditions of use, adverse health effects are not anticipated.

Information available for the ingredients:

<b>Ingredient</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
Manganese	9,000mg/kg (rat)	--	> 5.14mg/L/4hrs (rat)
Copper	--	> 2,000mg/kg (rat)	--
Iron	30,000mg/kg (rat)	--	--
Nickel	> 9,000mg/kg (Sprague-Dawley rat)	--	--

**Chronic Effects:**

<b>Sensitisation</b>	Not applicable
<b>Carcinogenicity</b>	Not applicable
<b>Reproductive Toxicity</b>	Not applicable
<b>Germ Cell Mutagenicity</b>	Not applicable
<b>Aspiration</b>	Not applicable
<b>STOT/SE</b>	Not applicable
<b>STOT/RE</b>	Not applicable

**Section 12. Ecotoxicological Information**

This substance is not classified as ecotoxic.

<b>Product:</b>	
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

**Section 13. Disposal Considerations****Disposal Method:**

Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility.

**Precautions or methods to avoid:** None known.

**Section 14. Transport Information**

**This product is NOT classified as a Dangerous Good for transport in NZ; NZS 5433:2020**

**Section 15. Regulatory Information**

This substance is NOT classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

<b>HSW (HS) Regulations 2017</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities (Schedule 26)	Not required
Signage Trigger Quantities (Schedule 3)	Not triggered
Emergency Response Plan (Schedule 5)	Not triggered
Secondary Containment (Schedule 5)	Not triggered
Restriction of Use	Only use for the intended purpose
<b>ACVM Act and Regulations</b>	
See <a href="http://www.foodsafety.govt.nz">www.foodsafety.govt.nz</a> for registration conditions	<b>A10958</b>

**Section 16 Other Information****Glossary**

Cat	Category
EC <sub>50</sub>	Median effective concentration
EEL	Environmental Exposure Limit
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms
HSW	Health and Safety at Work
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it
LD <sub>50</sub>	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 April 2022 edition
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013)
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

**Disclaimer**

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Please contact the New Zealand distributor, if further information is required.

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