Virbac New Zealand Limited

SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product:	**Ironcyclen Liquid Iron Supplement**
Product Use:	Iron, copper and cobalt supplement for greyhounds and horses
Restriction of Use:	Refer to Section 15
New Zealand Supplier:	**Virbac New Zealand Limited**
Address:	26 – 30 Maui Street Pukete, Hamilton
Telephone:	+64 7 849 6782
Customer Service Toll no:	0800 VIRBAC (0800 847 222) (Mon-Fri 8:30am to 4:30pm)
Emergency No:	**0800 764 766 (National Poison Centre)**
Date of SDS Preparation:	4 April 2022

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020.

EPA Approval No: Veterinary Medicines (Ltd pack size, Finished dose) - HSR100757

Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Hazardous to the aquatic environment chronic Cat. 3	H412	Harmful to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P103	Read label before use.
P273	Avoid release to the environment.

Response Code	Response Statement
None Allocated	

Storage Code	Storage Statement
None Allocated	

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredient	Cas No	Weight %
Cobalt sulphate	10124-43-3	<1
Copper sulphate	7758-99-8	<1
Ferrous Sulfate Heptahydrate	7782-63-0	<5
Iron Amino Acid Chelate	Not applicable	<1
Sucrose	57-50-1	30-35
Non-hazardous ingredients		bal

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes — Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

If on Skin — If irritation does occur, rinse with water for several minutes. If eye irritation persists: get medical advice/attention.

If Swallowed — If swallowed, do NOT induce vomiting, rinse mouth and drink a glass of water. If symptoms develop, or if in doubt get medical attention.

If Inhaled — First aid is not generally required. If in doubt, contact a doctor or call the National Poisons Center on 0800 POISON (0800 764 766).

Most important symptoms and effects, both acute and delayed

Symptoms: None known,

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from products	None known.
Suitable Extinguishing media	Water spray, dry chemical, carbon dioxide, or foam suitable for the surrounding fire and materials.
Precautions for firefighters and special protective clothing	Wear respiratory protection where necessary and protective clothing to minimize skin exposure.
HAZCHEM CODE	**None allocated**

Section 6. Accidental Release Measures

Wear PPE as detailed in Section 8.

Prevent any material from entering drains or waterways.

Absorb on sand, vermiculite or wood shaving/sawdust and place in a suitable container for disposal in accordance with the waste regulations. Ventilate area and wash spill site after material pickup is complete.
Dispose of in compliance with local and/or national regulations as per Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Avoid release to the environment.
- Wash hands after handling.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store in original container in a cool, dry, ventilated place away from foodstuffs.
- Store protected from light at room temperature below 30°C.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA ppm	TWA mg/m³	STEL ppm	STEL mg/m³
Sucrose	[57-50-1]	-	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 (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 2020 12TH EDITION.

Engineering Controls

Ensure adequate ventilation. Keep container sealed when not in use.

Personal Protection Equipment

Eyes	Not required.
Skin	Not required.
Respiratory	Wear respiratory protection where necessary.
Hygiene	Wash hands thoroughly with soap and water after handing.

Section 9 Physical and Chemical Properties

Appearance	Dark, thick but mobile golden brown liquid
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Combustibility	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	Not available
Water Solubility	Not available
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal storage conditions.

Possibility of hazardous reactions	No data available.
Conditions to Avoid	Store away from children and foodstuffs
Incompatible Materials	None known.
Hazardous Decomposition Products	None known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Ferrous Sulfate Heptahydrate (Cas No 7782-63-0)	1520 mg/kg (mouse)	-	-
Copper (II) Sulphate (cas no 7758-98-7)	300mg/kg (rabbit)	-	-
Cobalt (II) Sulfate (Cas No 10026-2401)	330mg/kg(sheep)	-	-

Section 12. Ecotoxicological Information

Harmful to aquatic life with long lasting effects.

Product:	
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Acute toxicity – all values > 10 to ≤ 100mg/L 96-hour LC50 (for fish) 48-hour EC50 (for crustacean) 72- or 96-hour ErC50(for algae or other aquatic plants) [User Guide to the HSNO Thresholds and Classifications]

Section 13. Disposal Considerations

Disposal Method:

Dispose of by use.

Dispose of empty container by wrapping with paper and placing in the garbage, in accordance with the Territorial

Local Authority.

Precautions or methods to avoid: Do not allow to enter waterways.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: **Veterinary Medicines (Ltd pack size, Finished dose) - HSR100757**

GHS Classification:
Harmful to aquatic life with long lasting effects.

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L
Emergency Response Plan	1000L
Secondary Containment	1000L
Restriction of Use	Only use for the intended purpose.
ACVM Approval No See www.foodsafety.govt.nz for registration Conditions	Exempt from ACVM registration

Section 16 Other Information

Glossary

Cat	Category
EC_{50}	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC_{50}	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD_{50}	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 2020 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

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

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