

VETPAK SAFETY DATA SHEET

Section 1: Identification of the Substance or Mixture and of the Supplier

Product Name: Min-Mix Extra RTU Daily

Recommended Use: Oral mineral supplement for cattle.

Company Details: Vetpak Ltd.

Address: 249 Bruce Berquist Dr, Te Awamutu 3800.

Telephone Number: (07) 870 2024

Emergency Telephone Number: (0800) 764-766 24 hours. National Poisons Centre, Department of Preventative and Social Medicine, University of Otago, P O Box 913, Dunedin, New Zealand.
(07) 870 2024 Vetpak. 8.00am to 5.00pm Monday to Friday except public holidays.

Date of Preparation: 22nd July 2019

Section 2: Hazards Identification

STATEMENT OF HAZARDOUS NATURE

This product is **HAZARDOUS IN THIS FORM AND AT THIS STRENGTH.**

Handle correctly and as directed by this SDS.

HAZARD LABELLING WARNING



HAZARD CLASSIFICATION AND STATEMENTS

HSNO	HSNO	GHS	Signal Word	GHS Hazard Statement
6.1E	Acute toxicity	Category 5	Warning	H303; H313; H333 May be harmful if swallowed; in contact with skin; if inhaled
6.3B	Mildly irritating to skin	Category 3	Warning	H316 Causes mild skin irritation
6.4A	Serious eye damage/ eye irritation	Category 2	Warning	H319 Causes serious eye irritation
6.5B	Contact sensitiser	Category 1	Warning	H317 May cause an allergic skin reaction
6.9B	Harmful to human target organs or systems	Category 2	Warning	H371; H373 May cause damage to organs
9.1D	Slightly harmful to aquatic environment	Category 3		H413 May cause long-lasting harmful effects to aquatic life

Prevention Statements:

P102: Keep out of reach of children.

P103: Read label before use.

P260: Do not breathe mist/vapours/spray

P261: Avoid breathing dust/fume/gas/mist/vapours/ spray

P264: Wash hands thoroughly after use.

P270: Do not eat, drink or smoke when handling this product.

P273: Avoid release to the environment.

P272: Contaminated work clothing should not be allowed out of the workplace.

P280: Wear protective gloves / clothing and eye / face protection.

VETPAK SAFETY DATA SHEET

Section 3: Composition / Information on Ingredients:

COMPOSITION

Ingredient	CAS Number	% w/w	HAZARDOUS
Water (micro-filtered)	7732-18-5	>60	No
Copper Chelate	14025-15-1	10-30	Yes 6.1E; 6.3A; 6.4A; 6.5B; 6.7B; 6.8B; 6.9A; 9.1B
Zinc Glycinate	14281-83-5	<10	Yes 6.1D; 6.4A; 9.1A
Cobalt Chelate	15137-09-04	<10	Yes 6.1D; 6.3A; 6.4A; 6.5B; 6.7B; 6.8B; 6.9A; 9.1A; 9.3B
Sodium Selenate	13410-01-0	<10	Yes 6.1B; 6.4A; 6.6B; 6.9A; 9.1A; 9.2A; 9.3A
Potassium Iodide	7681-11-0	<10	Yes 6.5B; 9.1B

Section 4: First Aid Measures:

Description of necessary first Aid measures:

Swallowed: If conscious and alert, drink water or milk to dilute, then induce vomiting. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Call a physician or poisons centre immediately.

Skin: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye: Check for and remove any contact lenses. In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Cold water may be used. Seek medical attention immediately.

Inhaled: If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical attention immediately.

Workplace Facilities: Eye bath and running water.

Notes for Medical Personnel: Treat symptomatically based on individual reactions of patient and judgment of doctor.

Section 5: Fire Fighting Measures

Type of Hazard: Not flammable.

Fire Hazard Properties: Not considered to be a fire, or explosion hazard. Stable under normal conditions of use or storage. Avoid incompatible products.

Extinguishing Media & Methods: Use media suited to surrounding fire. Cool sealed drums with water spray to prevent rupturing. Contain and collect run off.

Recommended Protective Clothing: Wear protective clothing and breathing apparatus.

Section 6: Accidental Release Methods

Procedures to be covered: Wear overalls, chemical resistant gloves and safety goggles. Prevent further spillage, and by any means prevent spillage from entering waterways. Contain spill and mop up or absorb with sand or sawdust. Dilute residue with water and mop up, or absorb with sand or sawdust. Place spillage in a sealable, labelled container. Dispose of spill container in accordance with local and regional regulations.

VETPAK SAFETY DATA SHEET

Section 7: Handling and Storage

Handling: Ensure an eye bath and wash room facilities are available and ready for use

Storage: Keep out of reach of children. Store in the original, labelled container with the lid tightly closed, in a cool dry, well ventilated area, out of direct sunlight.

Section 8: Exposure Controls / Personal Protection

Ventilation requirements: No specific requirements except handle in a well ventilated area.

Personal Protective Equipment (PPE): **Eyes:** Chemical dust / splash goggles or full face shield to prevent eye contact. **Skin:** Impervious gloves and clothes. **Respiratory:** Not normally needed. If use generates an aerosol mist or respiratory irritation, use approved mist respirator.



General hygiene: Wash hands thoroughly after handling. Do not eat, drink or smoke while handling the product.

Section 9: Physical and Chemical Properties

Appearance (physical state, colour etc.): Blue liquid.

Odour: Metallic

pH:

Melting Point/Freezing Point (°C):

Boiling Point (°C): approximately

Flash Point (°C):

Flammability: Not flammable

Lower Flammability/Explosive Limit:

Upper Flammability/Explosive Limit:

Auto-ignition Temperature (°C):

Vapour Pressure:

Vapour Density:

Relative Density:

Solubility in Water: Soluble.

Specific Gravity: 1.12 (water = 1)

Viscosity:

VETPAK SAFETY DATA SHEET

Section 10: Stability and Reactivity

Stability of the Substance: Stable under normal conditions of storage and temperature.

Conditions to avoid: High temperatures.

Material to avoid: Contact with strong alkalis and or reactive metals such as aluminium and copper.

Hazardous decomposition Products: High temperatures may result in formation of nitrogen oxides.

Hazardous polymerization: Does not occur.

Section 11: Toxicological Information

Acute Effects:

Swallowed: May be harmful if swallowed. May cause gastric pain.

Skin: Irritating to skin.

Eye: Irritating to eyes.

Inhaled: Inhalation of product mist/vapours may cause respiratory tract irritation, coughing and dyspnoea.

Chronic Effects: Chronic ingestion of iodides may produce iodism which may be characterised by skin rash, running nose, headaches, and irritation of mucus membranes. Weakness, anaemia, loss of weight, and general depression may also occur

Chronic Toxicity:

Irritation/Corrosion: Skin allergy and irritation

Carcinogenic Effects: Not known

Mutagenic Effects: Not suspected of causing genetic defects

Reproductive or developmental effects: May cause damage through prolonged dermal exposure

Section 12: Ecological Information

Potential Environmental Considerations: Very harmful to aquatic life

Ecotoxicity in water:

Chronic: No Data

Phytotoxicity: No Data

Persistence and Degradability: No Data

Mobility: No Data

Bioaccumulation: No Data

BOD and COD: No Data

Products of Biodegradation: No Data

Toxicity of the Products of Biodegradation: No Data

VETPAK SAFETY DATA SHEET

Section 13: Disposal Considerations

Disposal Information: Triple rinse container to use. Crush and dispose of in a landfill area in accordance with local government regulations. Recycle container if appropriate. Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment wash waters.

Section 14: Transport Information

Hazard Class: 6.1E; 6.3B; 6.4A; 6.5B; 6.9B; 9.1D

UN Number:

Packing Group:

Hazchem Code:

Land Transport: Check regulations

Sea Transport: Check regulations

Air Transport: Check regulations

Other Information:

Section 15: Regulatory Information

HSNO Approval Number: N/A

HSNO Classifications:

6.1E (Acutely toxic)

6.3B (Mildly irritating to the skin)

6.4A (Irritating to the eye)

6.5B (Contact Sensitiser)

6.9B (Harmful to human target organs or systems)

9.1D (Aquatic ecotoxic)

Regulatory status: This product is exempt from registration, being an oral nutritional compound compliant with S4 of the ACVM regulations 2001.

Section 16: Other Information

Interpretation and Abbreviations

Controls applying to a substance:

- * denotes that changes have been made to these controls, further information on these changes is located in the transfer notice for that substance,
- (R) abbreviation for the term Regulation of the Hazardous Substances regulations

AICS – Australian Inventory of Chemical Substances

AOX – Absorbable organic halogens.

APF – Assigned Protection Factor.

BOD – Biochemical Oxygen Demand China

COD – Chemical Oxygen Demand

DSL – Canadian Domestic Substances List.

EINECS – European Inventory of Existing Commercial Chemical Substances.

ENCS – Japanese Existing and New Chemical substances.

IARC – International Agency for Research on Cancer.

IDLH – Immediately Dangerous to Life or Health Concentrations.

ISHL – Japanese Industrial Safety and Health Law List of Chemicals.

LOEL – Lowest Observed Effect Level.

LD_{LO} – Lethal Dose Low (the lowest dosage per unit of bodyweight of a substance known to have resulted in fatality in a particular animal species).

VETPAK SAFETY DATA SHEET

MAK – Maximum workplace concentration in the workplace air that generally does not have known adverse effects on the health of the employee nor cause unreasonable annoyance when a person is repeatedly exposed during long periods, usually 8 hours daily, 40hour working week).

NOAA – National Oceanic and Atmospheric Administration.

NOEC – No Observed Effect Concentration.

NTP – National Toxicology Program.

NZIoC – New Zealand Inventory of Chemicals.

OECD HPV – The Organisation for Economic Co-operation and Development High Product Volume Chemicals.

PEL – Permissible exposure limit.

PPE – Personal Protective Equipment.

Prop 65 – California Proposition 65 List of Chemicals.

RTECS – Registry of Toxic Effects of Chemical substances

STEL – Short term exposure limit.

TOC – Total Organic Carbon.

TSCA – US Toxic Substances Control Act Existing Chemicals.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

VOC – Volatile Organic Compounds.

Date of Preparation/Review: 22 July 2019

Sources of key data used to compile the datasheet:

Manufacturers SDS

NZ EPA CCID

Health and Safety at Work (Hazardous Substances) Regulations 2017

Hazardous Substances (Minimum Degrees of Hazard) Notice 2017

Hazardous Substances (Safety Data Sheets Notice 2017

Hazardous Substances (Classification) Notice 2017

Labelling of Hazardous Substances Technical Guide 2012

DISCLAIMER

The information contained in this safety data sheet was obtained from current and reliable sources.

This data is supplied without warranty, expressed or implied, regarding its correctness and accuracy.

It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.

END OF SDS