VETPAK SAFETY DATA SHEET

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

Product Name: Vetmins 3

Recommended Use: A ready-to-use daily liquid mineral supplement for dairy cows.

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: 11th November 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
9.1D	Slightly harmful to aquatic environment	Category 3		H413 May cause long-lasting harmful effects to aquatic life

Prevention Statements:
P273: Avoid release to the environment.

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	<1	Yes 6.1E; 6.3A; 6.4A; 6.5B; 6.7B; 6.8B; 6.9A; 9.1B
Zinc Chelate	14025-21-9	<1	Yes 6.1D; 9.3C
Cobalt Chelate	15137-09-04	<1	Yes 6.1D; 6.3A; 6.4A; 6.5B; 6.7B; 6.8B; 6.9A; 9.1A; 9.3B
Sodium Selenate	13410-01-0	<1	Yes 6.1B; 6.4A; 6.6B; 6.9A; 9.1A; 9.2A; 9.3A
Potassium Iodide	7681-11-0	<1	Yes 6.5B; 9.1B

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Section 4: First Aid Measures:

Swallowed: Give 3 to 4 glasses water. DO NOT INDUCE VOMITTING. Seek medical attention if necessary

Skin: Rinse skin with plenty of water.

Eye: Rinse eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Inhaled: Not normally a problem.

Workplace Facilities: Eye bath and running water.

Notes for Medical Personnel: Treat symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard: Not flammable.

Fire Hazard Properties: Contain runoff from fire control or dilution water - runoff may pollute waterways.

Extinguishing Media & Methods: Use appropriate extinguishing media most suitable for surrounding fire conditions.

Recommended Protective Clothing: Wear protective clothing and breathing apparatus.

Section 6: Accidental Release Methods

Emergency Procedures: Personnel involved in the clean up should wear full protective clothing. Increase ventilation. Contain spill if safe to do so. DO NOT let product reach drains or waterways. If product does enter a waterway, advise local and regional authorities.

Methods and Materials for Containment and Clean up. Contain and sweep/shovel up spills with binding material. Transfer to a suitable, labeled container and hold for safe disposal.

Section 7: Handling and Storage

Handling: Ensure an eye bath and running water are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.

Storage: 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.

Personal Protective Equipment (PPE): RESPIRATORY: None. EYE/FACE: Chemical goggles. HAND: Impervious gloves. SKIN/BODY: Overalls, safety shoes.

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

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Section 9: Physical and Chemical Properties

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

Odour: Metallic

pH:

Melting Point/Freezing Point (ºC):

Boiling Point (ºC): approximately

Flash Point (ºC):

Flammability: Not flammable

Lower Flammability/Explosive Limit:

Upper Flammability/Explosive Limit:

Auto-ignition Temperature (ºC):

Vapour Pressure:

Vapour Density:

Relative Density:

Solubility in Water: Soluble.

Specific Gravity: 1.12 (water = 1)

Viscosity:

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 large volumes swallowed.

Skin: May irritate the skin.

Eye: May irritate the eyes.

Inhaled: Inhalation of mist/vapours may cause respiratory tract irritation.

Chronic Effects: Chronic ingestion of iodides may produce Iodism which may be characterised by skin rash, running nose, headaches, and irritation of mucus membranes.

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

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Section 12: Ecological Information

Potential Environmental Considerations: May be 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

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: 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:
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.

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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).
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: 11th November 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

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