

# VETPAK SAFETY DATA SHEET

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

**Product Name:** Healthy Ewe – Liquid RTU

**Recommended Use:** For the oral vitamin / mineral supplementation of sheep

**Company Details:** Vetpak Ltd.

**Address:** 249 Bruce Berquist Dr, Te Awamutu 3800.

**Telephone Number:** (07) 870 2024

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

**Date of Preparation:** 20<sup>th</sup> August 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 |
| 6.3A | Skin irritant  | Category 2 | Warning     | H315 Causes skin irritation  |
| 6.4A | Serious eye damage/<br>eye irritation                  | Category 2 | Warning     | H319 Causes serious eye irritation   |
| 6.5B | Contact sensitiser                                     | Category 1 | Warning     | H317 May cause an allergic skin reaction                                       |
| 6.7B | Suspected human carcinogen                             | Category 2 | Warning     | H351 Suspected of causing cancer   |
| 6.8B | Suspected human reproductive or developmental toxicant | Category 2 | Warning     | H361 Suspected of damaging fertility or the unborn child                       |
| 6.9B | Harmful to human target organs or systems              | Category 2 | Warning     | H371; H373 May cause damage to organs  |
| 9.1A | Harmful to aquatic environment                         | Category 1 | Warning     | H410 Very toxic to aquatic life with long-lasting effects                      |
| 9.3C | Harmful to terrestrial vertebrates                     | None       | None        | H433 Harmful to terrestrial vertebrates  |

### Prevention Statements:

P102 & P103: Keep out of reach of children & Read label before use.

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P260 & P261: Do not breathe dust/mist/fumes/gas/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

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## Section 3: Composition / Information on Ingredients:

### COMPOSITION

| Ingredient | CAS Number | % w/w | HAZARDOUS  |
|------------|------------|-------|--|
| Water      | 7732-18-5  | >60   | No   |
| Vitamin C  | 50-81-7    | 10-30 | Yes 6.3B; 6.4A   |
| Iodine     | 7553-56-2  | 10-30 | Yes 6.3A; 6.4A; 6.5B; 6.9B                                     |
| Cobalt     | 10026-24-1 | <10   | Yes 6.1D; 6.3A; 6.4A; 6.5A; 6.5B; 6.7B; 6.8B; 6.9A; 9.1A; 9.3B |
| Zinc       | 7446-20-0  | <10   | Yes 6.1D; 6.9B; 8.3A   |
| Selenium   | 13410-01-0 | <10   | Yes 6.1B; 6.4A; 6.6B; 6.9A; 9.1A; 9.2A; 9.3A                   |
| Vitamin A  | 127-47-9   | <10   | Yes 6.3B; 6.8A; 9.1C   |
| Vitamin D  | 67-97-0    | <10   | Yes 6.1B; 6.4A; 6.8B; 6.9A; 9.1D; 9.3A                         |
| Vitamin E  | 7695-91-2  | <10   | No   |

## Section 4: First Aid Measures:

### Description of necessary first Aid measures:

**Swallowed:** Rinse mouth with plenty of water. Seek medical advice.

**Skin:** Wash contact areas with plenty of soap and water. Remove contaminated clothing and launder before reuse. Thoroughly clean shoes before reuse.

**Eye:** Flush out with a gentle stream of clean water for 15 minutes, lifting upper and lower eyelids occasionally. Seek medical advice if irritation persists.

**Inhaled:** Remove from further exposure. Get medical attention for any breathing difficulty.

**First Aid Facilities:** Eye bath and cold running water available ready for use.

**Advice to Doctor:** Contact National Poisons Centre.

## Section 5: Fire Fighting Measures

**Type of Hazard:** This product is non-flammable.

**Fire Hazard Properties:** None

**Extinguishing Media & Methods:** Use media appropriate to surrounding fire.

**Recommended Protective Clothing:** Use protective clothing appropriate to the surrounding fire.

## Section 6: Accidental Release Methods

**Procedures to be covered:** Contain spill with sand or sawdust. Prevent entry into drainage systems, rivers, etc. Collect material and dispose in accordance with local or regional regulations.

## Section 7: Handling and Storage

**Handling:** Wear Personal Protective Equipment (Section 8). Do not ingest.

**Storage:** Store away from food. Keep out of reach of children.

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## Section 8: Exposure Controls / Personal Protection

**Workplace Exposure Standards:** None.

**Engineering Controls:** None specified

**Personal Protective Equipment (PPE):** RESPIRATORY: Wear a respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. EYE/FACE: Safety glasses with side shields or chemical goggles AS/NZS 1337. HAND: Impervious gloves AS/NZS 2161. SKIN/BODY: Overalls, safety shoes.



**Hygiene Measures:** Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking smoking or using the toilet facilities.

## Section 9: Physical and Chemical Properties

**Appearance (physical state, colour, etc.):** Brown liquid.

**Odour:** Pungent iodine-like.

**Boiling Point / Melting Point:** No data

**Specific Gravity:** No data

**Flash Point:** Not flammable.

**Flammability:** Not flammable.

**Flammable Limits:** Not applicable.

**Ignition temperature:** Not applicable.

**pH:** No data

**Solubility in Water:** Totally soluble

## Section 10: Stability and Reactivity

**Stability of the Substance:** Stable under normal handling conditions.

**Conditions to avoid:** None

**Material to avoid:** Segregate from strong acids and alkalis. Segregate from acetaldehyde, ammonia, acetylene, aluminium and metals such as lithium, barium, magnesium, sodium, zinc, antimony and potassium.

**Hazardous decomposition Products:** Not known.

**Hazardous polymerization:** Will not occur.

## Section 11: Toxicological Information

**Acute Effects:**

**Swallowed:** Harmful if swallowed.

**Skin:** Harmful in contact with skin. May cause skin irritation. May cause an allergic skin reaction.

**Eye:** Contact can cause eye irritation.

**Inhaled:** May cause respiratory irritation. Consult a physician if symptoms persist.

**Chronic Effects:** May cause damage to organs through prolonged or repeated exposure.

**Chronic Toxicity:** Not known.

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**Irritation/Corrosion:** Skin irritant.

**Carcinogenicity:** Suspected carcinogen (Cobalt sulphate)

**Mutagenic Effects:** Not suspected of causing genetic defects.

**Reproductive or developmental effects:** Not known.

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## Section 12: Ecological Information

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**Potential Environmental Considerations:** Very hazardous to the aquatic environment. Avoid release to waterways, sewers and storm water drains.

**Ecotoxicity in water:** No data

**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

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## Section 13: Disposal Considerations

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**Disposal Information:** Dispose of product only by using according to the label. Recycle where possible. Triple rinse container. Recycle containers if possible. Otherwise crush and bury in an approved landfill site.

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## Section 14: Transport Information

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**Hazard Class:** 6.1E; 6.3A; 6.4A; 6.5B; 6.7B; 6.8B; 6.9B; 9.1A; 9.3C

**UN Number:**

**Packing Group:**

**Hazchem Code:**

**Land Transport:** Check regulations

**Sea Transport:** Check regulations

**Air Transport:** Check regulations

**Other Information:**

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## Section 15: Regulatory Information

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**HSNO Approval Number:**

6.1E (Acutely toxic)

6.3A (Irritating to the skin)

6.4A (Irritating to the eye)

6.5B (Contact Sensitiser)

6.7B (Suspected human carcinogen)

6.8B (Suspected human reproductive or developmental toxicant)

6.9B (Harmful to human target organs or systems)

9.1A (Very harmful to aquatic environment)

9.3C (Harmful to terrestrial vertebrates)

**HSNO Classifications:** None

**Regulatory status:** None

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## 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

BOD – Biochemical Oxygen Demand

COD – Chemical Oxygen Demand

DSL – Canadian Domestic Substances List.

EC50 – Half maximal effective concentration. The concentration of a toxicant which induces a response halfway between the baseline and maximum after a specified exposure time.

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<sup>50</sup> – Lethal Dose sufficient to kill 50 percent of the test population within a certain time

LD<sub>LO</sub> – 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:** 20<sup>th</sup> August 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**