

VETPAK SAFETY DATA SHEET

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

Product Name: Enerlect

Recommended Use: An electrolyte replacement and energy source for the treatment of neo-natal scours in calves.

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 Review: 11th Jul 2019

Section 2: Hazards Identification

STATEMENT OF HAZARDOUS NATURE

This product is generally recognized as safe (non-hazardous) IN THIS FORM AND AT THIS STRENGTH. Handle correctly and as directed by this SDS.

This is the products **end** use.

HAZARD LABELLING WARNING

N/A

HAZARD CLASSIFICATION AND STATEMENTS

HSNO	HSNO	GHS	Signal Word	GHS Hazard Statement
N/A				
N/A				

Section 3: Composition / Information on Ingredients:

Classification and Type:

COMPOSITION

Ingredient	CAS Number	% w/w	HAZARDOUS
Dextrose Anhydrous	50-99-7	>60	No
Sodium Chloride (Salt)	7647-14-5	<10	Yes 6.1E; 6.4A
Sodium Bicarbonate	144-55-8	<10	No
Potassium Citrate monohydrate	6100-05-6	<10	No
Glycine	56-40-6	<10	Yes 6.1E
Non-Hazardous Colouring agent		<10	No
Non-Hazardous Glidant		<10	No

VETPAK SAFETY DATA SHEET

Section 4: First Aid Measures:

Description of necessary first Aid measures:

Swallowed: Wash mouth out with water.

Skin: Wash contact areas with plenty of water.

Eye: Rinse cautiously with water for several minutes.

Inhaled: Remove patient from further exposure. Get medical attention for any breathing difficulty. If breathing has stopped give mouth to mouth resuscitation.

Workplace Facilities: Running water, adequate ventilation.

Notes for Medical Personnel: Treat any symptoms symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard: Non hazardous.

Fire Hazard Properties: None.

Extinguishing Media & Methods: None.

Recommended Protective Clothing: Overalls and boots.

Section 6: Accidental Release Methods

Procedures to be covered: Sweep or vacuum spills, keeping dust to a minimum. Dispose containers and spills in accordance with local Government regulations.

Section 7: Handling and Storage

Handling Practices: Handle in a well ventilated environment.

Store Site Requirements: Store in a cool dark place. Keep out of reach of children.

Packaging: Pack securely in the original, labelled container with lid securely fastened.

Handling Practices: Transport upright in original labelled container with lid securely fastened. Minimise release of the material to the environment.

Section 8: Exposure Controls / Personal Protection

Workplace Exposure Standards: Not applicable.

Engineering Controls: Provide adequate ventilation.

Personal Protective Equipment (PPE): Dust mask, overalls, gloves and eye protection.



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

VETPAK SAFETY DATA SHEET

Section 9: Physical and Chemical Properties

Appearance (physical state, colour etc.): Off-white powder

Odour: None

pH:

Melting Point/Freezing Point (°C):

Boiling Point (°C):

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: Highly soluble

Specific Gravity: (water = 1)

Viscosity:

Section 10: Stability and Reactivity

Stability of the Substance: Stable.

Conditions to avoid: None known.

Material to avoid: None known.

Hazardous decomposition Products: CO and CO₂.

Hazardous polymerization: Does not occur.

Section 11: Toxicological Information

Swallowed: May be harmful if swallowed.

Skin: Not hazardous.

Eye: Contact may cause temporary irritation, redness and pain.

Inhaled: May cause irritation to the respiratory tract.

Chronic Effects: None.

Carcinogenicity:

Mutagenic Effects:

Developmental Effects:

VETPAK SAFETY DATA SHEET

Section 12: Ecological Information

Potential Environmental Considerations:

Ecotoxicity: No data.

Persistence and degradability: No data.

Environmental fate: No information available.

Bio-accumulative potential: No information available.

Mobility in soil:

Any other adverse effects:

Section 13: Disposal Considerations

Disposal Information: Triple wash containers with water. Recycle if possible. Dispose in approved landfill.

Section 14: Transport Information

Relevant information: This product is not classified as hazardous.

UN Number: None allocated.

UN Proper Shipping name: None allocated.

UN DG Class: None allocated.

UN Packing Group: None allocated.

Land Transport: Not regulated

Sea Transport: Not regulated

Air Transport: Check current air transport regulations.

Other Information: Handle with care. Stack correctly. Transport upright in the original container with the lid tightly closed. Avoid spillage and any release into the environment.

Section 15: Regulatory Information

HSNO Approval Number: N/A

Regulatory status: Registered pursuant to the ACVM Act, 1997, No. A0097256. See [NZ Food Safety ACVM Register](#) for registration conditions.

Sodium chloride, Sodium bicarbonate, and Dextrose (Glucose) appear on the GRAS (Generally Regarded As Safe) list. Ministry for Primary Industries, New Zealand.

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.

Enerlect,

11th July 2019,

Page 4 of 5



VETPAK SAFETY DATA SHEET

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.
GRAS – Substances Generally Recognised As Safe. New Zealand Food Safety
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: 11 July 2019

Sources of key data used to compile the datasheet:

Manufacturers SDS
NZ EPA CCID

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