

VETPAK SAFETY DATA SHEET

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

Product Name: Keto-Aid

Recommended Use: An oral energy supplement for dairy cows, cattle and sheep.

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: 12th July 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:

COMPOSITION

Ingredient	CAS Number	% w/w	HAZARDOUS
Monopropylene Glycol	57-55-6	>60	No
Water	7732-18-5	<10	No
Choline Chloride	67-48-1	<10	Yes 6.1E; 6.3B; 6.4A
Cobalt Sulphate	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
EDDI	5700-49-2	<10	Yes 6.1D; 6.3A; 6.4A; 6.5B; 6.9B; 9.1A; 9.3C
Chemidet 24-7N/90	68439-50-9	<10	Yes 6.1E, 6.3B; 8.3A; 9.1A
Ponceau Red Dye	2611-82-7	<10	No

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Section 4: First Aid Measures:

Swallowed: Rinse mouth with water. Give water to drink. Do NOT induce vomiting. If symptoms develop, consult a doctor.

Skin: Wash contact areas with plenty of water. Remove contaminated clothing and laundry 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.

Workplace Facilities: Eye bath and clean running water.

Notes for Medical Personnel: Treat any symptoms symptomatically.

Section 5: Fire Fighting Measures

Type of Hazard: Not flammable.

Fire Hazard Properties: None known.

Extinguishing Media & Methods: Use media and methods suitable for surrounding fire

Recommended Protective Clothing: Use protective clothing suitable for the surrounding fire.

Section 6: Accidental Release Methods

Procedures to be covered: Contain spill with sand or sawdust. Collect material and dispose in accordance with local or regional regulations.

Section 7: Handling and Storage

Handling Practices: Handle in accordance with good industrial hygiene and safe practice. Wash thoroughly after handling.

Store Site Requirements: Store tightly sealed in original labelled container when not in use.

Section 8: Exposure Controls / Personal Protection

Workplace Exposure Standards: None

Engineering Controls: None

Personal Protective Equipment (PPE): Overalls and gloves recommended, but not mandatory.



General hygiene: Wash hands after handling.

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Section 9: Physical and Chemical Properties

Appearance (physical state, colour etc.): Red viscous liquid

Odour: Ketone

pH:

Melting Point/Freezing Point (°C):

Boiling Point (°C): 100

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: (water = 1)

Viscosity:

Section 10: Stability and Reactivity

Stability of the Substance: The product is stable.

Conditions to avoid:

Material to avoid:

Hazardous Decomposition Products:

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Swallowed: May cause gastric irritation. Consult a physician if symptoms persist.

Skin: May cause skin irritation. Consult a physician if symptoms persist.

Eye: May cause eye irritation. Consult a physician if symptoms persist.

Inhaled: May cause respiratory irritation.

Chronic Effects:

Carcinogenicity:

Mutagenic Effects:

Developmental Effects:

Section 12: Ecological Information

Potential Environmental Considerations: Not known to be hazardous to the environment. Avoid release to waterways, sewers and storm water drains as good practice.

Ecotoxicity: No data.

Persistence and degradability: No data.

Environmental fate: No information available.

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Bio-accumulative potential: No information available.

Mobility in soil:

Any other adverse effects:

Section 13: Disposal Considerations

Disposal Information: Rinse containers to use rinsing's. Recycle containers or dispose of in accordance with local and regional regulations.

Section 14: Transport Information

Relevant information: This product is not classified as dangerous goods.

UN Number: None allocated.

Packing Group: None allocated.

Hazchem Code: none allocated

Proper Shipping name: 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: Class determination by the Agricultural and Veterinary Medicines Group of the NZFSA, as an oral nutritional feed supplement.

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).

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.

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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: 12 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
