

# VETPAK SAFETY DATA SHEET

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

**Product Name:** Dextrose Monohydrate

**Other names:** Alpha-D-Glucose, Monohydrate of D-Glucopyranose.

**Recommended Use:** Confectionary, Infant foods, medicines, brewing and wine making, intermediate, caramel colouring, baking and canning, source of methane by anaerobic fermentation, source of certain amino acids such as lysine, by fermentation.

**Company Details:** Vetpak Ltd.

**Address:** 249 Bruce Berquist Drive, Te Awamutu.

**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:** 5<sup>th</sup> September 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.

### 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
Dextrose Monohydrate	14431-43-7	100	No

## Section 4: First Aid Measures:

**Swallowed:** Do not induce vomiting. If large quantities of this material are swallowed, call a physician.

**Skin:** Immediately flush skin with plenty of water. Cold water may be used. Wash clothing before reuse.

**Eye:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

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

**Workplace Facilities:** Clean running water.

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

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## Section 5: Fire Fighting Measures

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**Type of Hazard:** Product is non-flammable.

**Fire Hazard Properties:** No information available on combustion products.

**Extinguishing Media & Methods:** In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions.

**Recommended Protective Clothing:** Fire fighters should wear a self-contained breathing apparatus and full protective clothing along with protective equipment.

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## Section 6: Accidental Release Methods

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**Procedures to be covered:** Personnel involved in the cleanup should wear PPE as per Section 8. Transfer to a suitable, labelled container and hold for disposal. Do not allow product to reach drains, sewers or waterways. If the product does enter a waterway, advise the appropriate local authority.

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## Section 7: Handling and Storage

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**Handling** Ensure an eye bath and clean running water is available and ready to use. Handle in accordance with good industrial hygiene and safe practice. Wash thoroughly after handling.

**Storage:** Store in a cool dry, well-ventilated area. Keep containers tightly sealed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect from physical damage. Store away from incompatible materials (oxidising agents).

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## Section 8: Exposure Controls / Personal Protection

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**Workplace Exposure Standards:** No workplace exposure standards listed for Dextrose Monohydrate.

**Engineering Controls:** Ensure workplace is well ventilated. Breathing must be protected when decanting large quantities of product without local exhaust ventilation.

**Personal Protective Equipment (PPE):** RESPIRATORY: Wear a dust mask/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.

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**General hygiene:** Wash hands after handling.

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## Section 9: Physical and Chemical Properties

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**Appearance (physical state, colour, etc.):** White to colourless crystalline powder.

**Odour:** None

**pH:**

**Melting Point/Freezing Point (°C):** No data

**Boiling Point (°C):** No data

**Flash Point (°C):** Not flammable

**Flammability:** Not flammable

**Lower Flammability/Explosive Limit:** N/A

**Upper Flammability/Explosive Limit:** N/A

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**Auto-ignition Temperature (°C):** N/A

**Vapour Pressure:** Not applicable

**Vapour Density:** Not applicable

**Relative Density:** No data

**Solubility in Water:** Soluble

**Specific Gravity:** No data (water = 1)

**Viscosity:** No data

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## Section 10: Stability and Reactivity

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

**Conditions to avoid:** Avoid excessive heat and high temperatures.

**Material to avoid:** Oxidising agents.

**Hazardous decomposition Products:** No information available.

**Hazardous polymerization:** Has not been reported.

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## Section 11: Toxicological Information

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**Acute Effects:**

**Swallowed:** No known acute effects of this product resulting from ingestion.

**Skin:** No known effects of this product resulting from skin contact.

**Eye:** No known acute effects of this product resulting from eye contact.

**Inhaled:** No known acute effects of this product resulting from inhalation.

**Chronic Effects:**

**Carcinogenicity:** This material is not known to cause cancer in animals and humans.

**Mutagenic Effects:** Not known.

**Developmental Effects:** Not known.

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## Section 12: Ecological Information

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**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.

**Bio-accumulative potential:** No information available.

**Mobility in soil:**

**Any other adverse effects:**

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## Section 13: Disposal Considerations

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**Disposal Information:** Dispose of in accordance with local government regulations.

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## Section 14: Transport Information

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**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:** Dextrose Monohydrate.

**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.

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## Section 15: Regulatory Information

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**HSNO Approval Number:** N/A

**Regulatory status:** Not applicable.

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## Section 16: Other Information

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### 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<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.

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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:** 5<sup>th</sup> September 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**