

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: 150 Rickit Road, Te Awamutu.

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 Review: 8th August 2007

Section 2: Hazards Identification

Hazards Classification: Not hazardous.

ERMA NZ approval code: No data

HSNO Hazard Classification: No data.

Section 3: Composition / Information on Ingredients:

INGREDIENTS:

Pure Substance	CAS Number	Proportion
Dextrose Monohydrate	14431-43-7	100%

Section 4: First Aid Measures:

Swallowed: Do not induce vomiting unless directed to do by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Eye: Check for and remove any contact lenses. In case of contact 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.

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.

Section 6: Accidental Release Methods

Procedures to be covered: Personnel involved in the cleanup should wear full protective clothing. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Do not allow product to reach drains, sewers or waterways. If the product does enter a waterway, advise the appropriate local authority.

Methods and materials for containment and clean up: Contain and sweep / shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled container and hold for disposal.

Section 7: Handling and Storage

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 Site Requirements: 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.

Section 8: Exposure Controls / Personal Protection

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

Subsection 2: Engineering Controls: Ensure workplace is well ventilated. Breathing must be protected when decanting large quantities of product without local exhaust ventilation.

Subsection 3: Personal Protective Equipment (PPE):

Respirator: If engineering controls are inadequate, wear an NIOSH approved respirator.

Eyes: Chemical safety goggles.

Hands: Wear appropriate protective gloves.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Section 9: Physical and Chemical Properties

Physical State: Powder.

Appearance: Whit to colourless crystalline powder.

Formula: HOCH₂CH(CHOH)₄O.H₂O

Boiling Point / Melting Point: Not applicable.

Vapour Pressure: Not applicable.

Specific Gravity: Not available.

Flash Point: Not applicable.



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Flammability Limits: Not applicable.

Solubility in Water: Soluble.

Section 10: Stability and Reactivity

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.

Section 11: Toxicological Information

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.

Long Term Effects: This material is not known to cause cancer in animals and humans.

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.

Data organisation:

Section 13: Disposal Considerations

Disposal Information: Dispose of in accordance with local and Government regulations.

Section 14: Transport Information

UN No.: Not allocated.

Shipping name: Dextrose Monohydrate.

Dangerous Goods Class: None allocated.

Packing Group: None allocated.

Hazchem Code: Not applicable.

Section 15: Regulatory Information

Regulatory status: Not applicable.



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Section 16: Other Information

Additional Information: 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.

1. The above information has been compiled on the basis of good faith, and our experience from the available technical knowledge and data for this product.
 2. Where health or safety data given discloses a risk to the user or environment, it is the responsibility of the Purchaser to pass on that information to employees or those who may be using the product, ensuring that adequate safety procedures are used.
 3. No responsibility can be accepted for the wrongful or misinterpretation of this data.
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