

VETPAK SAFETY DATA SHEET

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

Product Name: Magnesium Sulphate

Other names: Epson Salts, Bitter Salts.

Recommended Use: Nutritional supplement for livestock.

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: 19th August 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
Magnesium Sulphate Heptahydrate	10034-99-8	100	No

Section 4: First Aid Measures:

Swallowed: Rinse mouth with plenty of water. Drink plenty of water. Consult a physician if necessary.

Skin: Wash off immediately with soap and plenty of water. Consult a physician if necessary.

Eye: Rinse thoroughly with plenty of water, also under the eyelids.

Inhaled: Not applicable

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

Section 5: Fire Fighting Measures

Type of Hazard: Not flammable.

Fire Hazard Properties: Oxides of sulphur, magnesium oxide

Extinguishing Media & Methods: Use extinguishing media most appropriate for surrounding conditions.

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Section 6: Accidental Release Methods

Procedures to be covered: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Shovel into suitable container for disposal. Rinse affected area with plenty of water.

Section 7: Handling and Storage

Handling: No special handling practices required.

Storage: Suitable packaging material are polyethylene containers, paper bags. Ensure an eye bath & safety shower are available and ready for use.

Section 8: Exposure Controls / Personal Protection

Workplace Exposure Standards: None specific.

Engineering Controls: A system of local and / or general exhaust is recommended.

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.



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.): Solid, white powder..

Odour: None

Boiling Point / Melting Point: Not applicable.

Specific Gravity: No data

Flash Point: Non-combustible solid.

Flammability: Non-combustible solid.

Flammable Limits: Not applicable.

Ignition temperature: Not applicable.

pH: 6.0 – 8.0

Solubility in Water: Miscable

Section 10: Stability and Reactivity

Stability: Stable under normal conditions of storage and use.

Conditions to avoid: No data available

Material to avoid: No data available

Hazardous decomposition Products: None known.

Hazardous polymerization: Does not occur.

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Section 11: Toxicological Information

Acute Effects:

Human (Oral) TDLo: 428 mg/kg. Leads to muscle weakness. Acts as a laxative.
Mouse (Oral) LDLo: 5g/kg.

Swallowed: Acts like a laxative. Ingestion of sufficient quantities may lead to heart changes, flaccid paralysis and cyanosis.

Skin: No significant effects.

Eye: Mild eye irritation may result.

Inhaled: Not applicable

Chronic Effects:

Chronic Toxicity: Not known.

Irritation/Corrosion: Not known.

Carcinogenicity: Not considered to be a carcinogen.

Mutagenic Effects: Not suspected of causing genetic defects.

Reproductive or developmental effects: Not known.

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 in water:

Chronic:

Phytotoxicity: No Data

Persistence and Degradability: Persistence unlikely, Biodegradable.

Mobility: No data.

Bioaccumulation: Not likely.

BOD and COD: No Data

Products of Biodegradation: No Data

Toxicity of the Products of Biodegradation: No Data

Section 13: Disposal Considerations

Disposal Information: In accordance with local, regional and national regulations.

Section 14: Transport Information

Hazard Class: None

UN Number: None

Packing Group: None

Hazchem Code: None

Land Transport: Check regulations

Sea Transport: Check regulations

Air Transport: Check regulations

Other Information:

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Section 15: Regulatory Information

HSNO Approval Number:

HSNO Classifications: None

Regulatory status: Appears on the MPI GRAS (Generally Regarded As Safe) list.

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.

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.

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.

LD⁵⁰ – Lethal Dose sufficient to kill 50 percent of the test population within a certain time

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.

TDL0: Toxic dose low: The lowest dose of a substance reported to produce any toxic effect in humans.

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: 19th August 2019

Sources of key data used to compile the datasheet:

Manufacturers SDS

NZ EPA CCID

Magnesium Sulphate Heptahydrate,

19th August 2019,

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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

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END OF SDS