

VETPAK SAFETY DATA SHEET

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

Product Name: Vetmag Ultrafine

Other names: Calcined Caustic Magnesia, Magnesium Oxide.

Recommended Use: Tailing treatment, sewerage treatment, stock feed, and fertiliser.

Company Details: Vetpak Ltd.

Address: 249 Bruce Berquist Dr, Te Awamutu 3800.

Telephone Number: (07) 870 2024

Emergency Telephone Number/s: (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: 16th 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
Magnesium oxide	1309-48-4	>85	No
Calcium oxide	1305-78-8	<15	Yes 8.2C; 8.3A; 9.1D
Silicon dioxide	14808-60-7	<5	Yes 6.7A; 6.9A
Iron oxide	1309-37-1	<1	No
Aluminium oxide	1344-28-1	<1	No
Manganese dioxide	1313-13-9	<1	Yes 6.1B; 6.1D; 6.4A; 6.8B; 6.9A; 9.3C

Section 4: First Aid Measures:

Swallowed: Rinse mouth out with plenty of water. Seek medical attention if discomfort persists.

Skin: Wash affected area with soap and water. Seek medical attention in the event of irritation.

Eye: Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Transport to doctor or hospital without delay. Removal of any contact lens after an eye injury should only be undertaken by skilled personnel.

Inhaled: Remove to fresh air. Seek medical attention if discomfort persists.

Workplace Facilities: Eye bath and normal washroom facilities.

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Section 5: Fire Fighting Measures

Type of Hazard: Not hazardous.

Fire Hazard Properties: Not flammable

Extinguishing Media & Methods: Use media appropriate to the surrounding fire.

Recommended Protective Clothing: Use protective clothing appropriate to the surrounding fire.

Section 6: Accidental Release Methods

Minor spills: Clean up all spills immediately. Wear impervious gloves and safety glasses. Avoid generating and breathing dust. Vacuum up or sweep up and place in a suitable container for disposal.

Major spills: Clear area of personnel and move up wind. Use dry clean up procedures. Avoid generating dust. If inhalation risk of exposure exists, wear SAA approved dust respirators. Collect recoverable product into labelled containers for recycling.

Section 7: Handling and Storage

Handling: No restrictions on transport.

Storage: Store in original containers, in a cool, dry, well ventilated area. Store away from incompatible materials and foodstuff containers. Keep containers securely sealed.

Packaging: Multi-ply paper bag with sealed plastic liner or heavy gauge plastic bag. Metal cans or metal drums, or plastic containers with plastic liners.

Section 8: Exposure Controls / Personal Protection

Workplace Exposure Standards:

Vetmag Ultrafine: None assigned for mixture. Refer to individual constituents.

Magnesium Oxide: Dust not otherwise classified, as inspirable dust ES TWA: 10mg/m³. Note: where heating or burning occurs, Worksafe Australia lists MgO fumes as a hazardous substance. MAK value: 6mg/m³ as magnesium oxide fumes. ES TWA: 10mg/m³. TLV TWA: 10mg/m³.

Calcium Oxide: TLV TWA: 2mg/m³. ES TWA: 2mg/m³. MAK value 5mg/m³ – measured as the inhalable fraction of the aerosol. MAK Category 1 Peak Limitation: For local irritants.

Silicon Dioxide: TLV TWA 0.1mg/m³ (respirable dust). ES TWA – none assigned. Notice of intended change: TLV TWA: 0.05mg/m³.

Engineering Controls: Use in a well-ventilated area. General exhaust is adequate under normal operating conditions. Correct fit is essential to ensure adequate protection.

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.



General hygiene: Wash hands after handling with soap and water. Do not eat, drink or smoke when handling this product.

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Section 9: Physical and Chemical Properties

Appearance (physical state, colour etc.): White to pink, crumbly powder.

Odour: Odourless

pH: No data

Melting Point/Freezing Point (°C): 2600 /

Boiling Point (°C): 3600

Flash Point (°C): Not flammable.

Flammability: Not flammable

Lower Flammability/Explosive Limit: Not flammable

Upper Flammability/Explosive Limit: Not flammable

Auto-ignition Temperature (°C): Not flammable

Vapour Pressure: Not applicable.

Vapour Density: No data

Relative Density: No data

Solubility in Water: Insoluble

Specific Gravity: 1.2 (water = 1)

Section 10: Stability and Reactivity

Stability of the Substance: Stable under normal conditions of storage.

Conditions to avoid: Avoid product getting wet.

Material to avoid: Not known.

Hazardous decomposition Products: Not known.

Hazardous polymerization: Does not occur.

Section 11: Toxicological Information

Acute Effects:

Swallowed: Regarded as practically non-toxic but may be harmful if swallowed in large quantity. Oral administration would generally result in purging.

Skin: The material may be mildly irritating and may cause drying of the skin.

Eye: The dust is irritating and may be abrasive to the eyes.

Inhaled: Not normally a hazard due to the non-volatile nature of the product. The dust is irritating to the upper respiratory tract.

Chronic Effects: Not known.

Toxicity: No Data

Irritation/Corrosion: No Data

Carcinogenic Effects: Not a known carcinogen

Mutagenic Effects: Not suspected of causing genetic defects

Reproductive or developmental effects: None identified

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Section 12: Ecological Information

Potential Environmental Considerations: The product is not considered hazardous to the environment, but avoid any contamination of fresh waterways as good practice.

Ecotoxicity in water:

Chronic: No Data

Phytotoxicity: No Data

Persistence and Degradability: No Data

Mobility: No Data

Bioaccumulation: No Data

BOD and COD: No Data

Products of Biodegradation: No Data

Toxicity of the Products of Biodegradation: No Data

Section 13: Disposal Considerations

Disposal Information: Recycle wherever possible. Bury residue in an authorised landfill. Recycle containers wherever possible or dispose of in an authorised landfill.

Section 14: Transport Information

Hazard Class: None

UN Number: None

Packing Group: None

Hazchem Code:

Land Transport: Check regulations

Sea Transport: Check regulations

Air Transport: Check 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

HSNO Classifications: None

Regulatory status: This product is exempt from registration, being an oral nutritional compound compliant with S4 of the ACVM regulations 2001.

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

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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.
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: 16th 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