

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **DualMag**  
 Item Code:  
 Product Use: Mineral Micronutrients Fertilizer  
 Restriction of Use: Refer to Section 15

New Zealand Supplier: Horticulture Ltd  
 Address: 10 Firth Street  
 Drury, 2113

Telephone: +64 9 294 8453  
 Fax Number: +64 9 294 7272

New Zealand: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 13 March 2023 v2

### Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
MGO	35%	Proprietary
Sulfur	14%	Proprietary
Non-hazardous ingredients	To bal	

### Section 4. First Aid Measures

Routes of Exposure:

If in Eyes Rinse cautiously with water for 15 minutes. If eye irritation persists: Get medical advice.

If on Skin Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.

If Swallowed Rinse mouth. In case of persistent unease, drink large quantities of water. DO NOT induce vomiting. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position

and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

**Most important symptoms and effects, both acute and delayed**

Symptoms: May cause skin, eye and skin irritation in case of prolonged contact.

**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Not flammable
<b>Hazards from combustion products</b>	None known
<b>Suitable Extinguishing media</b>	Water pouring or water sprinkling is recommended in fire surroundings which may affect the product.
<b>Precautions for firefighters and special protective clothing</b>	Not required.
<b>HAZCHEM CODE</b>	<b>None Allocated</b>

**Section 6. Accidental Release Measures**

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel. In aqueous solutions or powder exposed to humidity it makes surfaces slippery.

Does not pollute water. Consider that magnesium excess may cause damage to vegetation. In case of vegetation damage use large quantities of water to dissolve magnesium.

Remove every waste with caution. Wash the zone where the product was used with large quantities of water. Save and dispose the product in properly closed containers. Dispose the product in safe and allowed places for disposal only.

**Section 7. Handling and Storage**

**Precautions for Handling:**

- Read label before use.
- Avoid skin and eye contact.
- Do not inhale particulated material or material in suspension.
- Whenever product handling is interrupted or ended, wash hands with large quantities of water
- Wear protective clothing.
- Wash contaminated clothing after use.

**Precautions for Storage:**

- Keep in a dry place with proper ventilation.
- Warehouse storage and/or non-flammable cabins are appropriate for storage.
- Do not store the material next to eatable products or any agricultural packing element.

**Section 8 Exposure Controls / Personal Protection**

**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working

day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13<sup>TH</sup> EDITION.

## Engineering Controls

If particulated material in suspension is provoked, use mechanical ventilation to remove. Applicable to confined spaces. If no material is in suspension, natural ventilation is adequate

## Personal Protection Equipment

<b>Eyes</b>	Always good practice to wear safety goggles.
<b>Hands and Skin</b>	Wear plastics or PVC gloves. Wear adequate clothing and wash after use.
<b>Respiratory</b>	It is recommended to wear appropriate dust blocking safety mask in spaces with high concentration of material in suspension or in confined spaces.
<b>General</b>	Wash hands before meals and after work.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Granules
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not applicable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Specific Gravity</b>	Not available
<b>Solubilities</b>	Partial
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not available

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions of use and storage.
<b>Conditions to Avoid</b>	None known.
<b>Incompatible Materials</b>	None known.
<b>Hazardous Decomposition Products</b>	None known.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.

<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

**Chronic Effects:**

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

**Section 12. Ecotoxicological Information**

This product is not hazardous to the environment.

<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	No data available

**Section 13. Disposal Considerations**

**Disposal Method:**

Triple rinse and dispose of according to Local Regulations.

**Precautions and methods to avoid:**

None known.

**Section 14 Transport Information**

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020**

**Section 15 Regulatory Information**

**This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020**

**Section 16 Other Information**

**Glossary**

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

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Please contact the New Zealand distributor, if further information is required.

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