

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Hi- Mag  
**Product Type:** Liquid Fertiliser  
**Company Name:** Hi-Tech Ag Solutions  
24 Shanahan Road (PO Box 5351)  
Davenport WA 6230 Australia  
**Phone:** 08 9725 7322  
**Emergency Contact:** 0499 944 099  
**Date of Issue:** 29<sup>th</sup> November 2023

### 2. HAZARDS IDENTIFICATION

**Hazard Classification:** Non-Hazardous- According to the criteria of the GHS Classification  
Non-Dangerous Goods. - According to the Australia Dangerous Goods Code.  
**GHS Classification:** Not Classified  
**Label Elements:** No Signal word.  
**Hazard Statement:** No Hazard Statements  
**Precautionary Statement:** Not Applicable

### 3. INFORMATION ON INGREDIENTS

This is a proprietary fertilizer formulation and all ingredients as formulated are determined not to be hazardous according to the criteria of Work safe Australia

### 4. FIRST AID MEASURES

**Inhalation:** Avoid inhalation of vapour or spray. If inhaled remove to fresh air, Seek medical attention, if unwell.  
**Ingestion:** Rinse mouth with water. Seek medical attention if person is unwell.  
**Skin Contact:** Rinse skin off immediately with water and soap. Seek medical attention if irritation persists.  
**Eye:** Rinse with plenty of clean water, remove contact lenses. Seek Medical attention if irritation persists.  
**First Aid Facilities:** Eyewash and normal washroom facilities  
**Advice to Doctor:** Treat symptomatically.  
**Other Information:** For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.  
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### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Use extinguishing media suitable for surrounding fire.  
**Specific Hazards:** No specific fire or explosion hazard.  
**Hazardous thermal decomposition of Products:** Avoid breathing dusts, vapours, or fumes from burning materials.  
In the case of inhalation of decomposition products in a fire,  
**Special PPE for Fire-Fighters:** Appropriate protective equipment and self-contained breathing apparatus (SCBA), with a full-face shield, should be worn.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures:</b>	Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. If possible, contain the spill. Do not flush down drains or into water ways.
<b>Small Spill</b>	Stop leak, if without risk. Mop up spill with water or use suitable inert absorbent material to clean-up spill and dispose via waste disposal contractor.
<b>Large Spills</b>	Stop leak without risk. Prevent entry into sewers and waterways or confined areas. Absorb spill with an inert absorbent material and dispose via a suitable waste disposal contractor.

### 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling:</b>	Use only in a well-ventilated area. Keep containers sealed when not in use. Avoid inhalation of vapours, contact with skin, eye, or clothing. Remove clothing if contaminated, wash thoroughly. Remove PPE, after handling product,
<b>Conditions for Safe Storage:</b>	Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in original, labelled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>National Exposure Standards:</b>	No exposure value assigned for this specific material
<b>Biological Limit Values:</b>	No biological limits allocated.
<b>Engineering Controls:</b>	Use with good general ventilation or with respiratory protection.
<b>PPE:</b>	
<b>Eye Protection:</b>	Safety glasses with side shields should be worn.
<b>Hand Protection:</b>	Wear gloves of impervious material
<b>Body Protection:</b>	Wear suitable chemical resistant overalls



**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Orange – Light Brown Liquid	<b>Melting Point:</b>	N/A
<b>Specific Gravity:</b>	1.19 – 1.30	<b>Boiling Point:</b>	>100° C
<b>pH Value</b>	6.2 – 7.0	<b>Solubility in Water:</b>	miscible in water
<b>Vapour Pressure:</b>	N/A	<b>Flash Point:</b>	N/A
<b>Vapour Density (Air=1):</b>	N/A	<b>Flammability:</b>	Not flammable
<b>Auto-Ignition Temperature:</b>	N/A	<b>Flammable Limits:</b>	N/A

Note: Physical data typical values but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification.

### 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable under normal conditions of storage and handling.
<b>Conditions to Avoid:</b>	No data available

### 11. TOXICOLOGICAL INFORMATION

<b>Acute Oral Toxicity:</b>	No known significant effects or hazards
<b>Skin</b>	No data available
<b>Eye:</b>	No data available
<b>Respiratory:</b>	Data not available
<b>Germ Cell Mutagenicity:</b>	Data not available
<b>Carcinogenicity</b>	Data not available

**Reproductive Toxicity:** Data not available

**STOT – single exposure** Data not available

**STOT- repeated exposure:** Data not available

### 12. ECOLOGICAL INFORMATION

**Toxicity:** No known significant effects or hazards

**Bio accumulative potential:** Data not available

**Mobility in soil:** Data not available

### 13. DISPOSAL CONSIDERATIONS

Dispose of in appropriately licence general landfill site in accordance with local, state, and federal regulations. Waste should be labelled. Special arrangements made to bury bulk waste upon dumping, limiting exposure.

### 14. TRANSPORTATION INFORMATION

The product is a not considered a dangerous good and not subject to the provisions of ADR (road), RID (railway), IMDG (sea) or IATA (airplane).

### 15. REGULATORY INFORMATION

**Poisons Schedule:** Not a scheduled poison

### 16. OTHER INFORMATION

This information is based on collective and current knowledge, is intended to describe the product for purposes of safety, environmental and health requirements only. It should therefore not be construed as guaranteeing any specific property of the product. The SDS is prepared by Hi Tech Ag (PTY) LTD

#### Key/Legend

<	Less Than	atm	Atmosphere
>	Greater Than	CAS	Chemical Abstracts Service (Registry Number)
AICS	Australian Inventory of Chemical Substances	cm <sup>2</sup>	Square Centimetres
CO <sub>2</sub>	Carbon Dioxide	COD	Chemical Oxygen Demand
(°C)	Degrees Celsius	K	Kelvin
g	Grams	GHS	Globally Harmonised System
g/cm <sup>3</sup>	Grams per Cubic Centimetre	g/l	Grams per Litre
mmHg	Millimetre of Mercury	Kg	Kilogram
Kg/m <sup>3</sup>	Kilograms per cubic metre	lb	Pound
LC50	Lethal Concentration of a material in air which causes the death of 50% of a group of test animals.	LD 50	Lethal dose of material given all at once, which causes death of 50% of a group of test animals.
Ltr/L	Litre	m <sup>3</sup>	Cubic meter
mbar	Minibar	mg	Milligram
mg/24H	Milligrams per 24 Hour	mg/kg	Milligrams per Kilogram
mg/m <sup>3</sup>	Milligrams per Cubic Metre	mm	Millimetre
mmH <sub>2</sub> O	Millimetres of Water	mPa.s	Millipascals per Second
N/A	Not Applicable	NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission	OECD	Organisation for Economic Co-operation & Development

# SAFETY DATA SHEET

## Hi - Mag

Oz	Ounce	PEL	Permissible Exposure Limit
Pa	Pascal	ppb	Parts per Billion
ppm	Parts per Million	ppm/2h	Parts per Million per 2 Hours
ppm/6h	Parts per Million per 6 Hours	psi	Pounds per Square Inch
R	Rankine	RCP	Reciprocal Calculation Procedure
STOT	Specific Target Organ Toxicity	TLV	Threshold Limit Value
Tne	Tonne	TWA	Time Weighted Average
µg/24H	Micrograms per 24 Hours	UN	United Nations
wt.	Weight	Immiscible : Liquids are insoluble in each other	
Misc. or Miscible liquids form one homogenous liquid phase regardless of the amount of either component.			

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