

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1 Product identifier

**Product name** TRACE-IT MAGNESIUM  
**Synonym(s)** TRACE IT MAGNESIUM

### 1.2 Uses and uses advised against

**Use(s)** AGRICULTURAL APPLICATIONS • FERTILISER • FERTILISER SOLUTION • LIQUID FERTILISER

### 1.3 Details of the supplier of the product

**Supplier name** CAMPBELLS FERTILISERS AUSTRALASIA PTY LTD  
**Address** 18 Raymond Rd, Laverton North, Victoria, 3026, AUSTRALIA  
**Telephone** (03) 9931 2211  
**Fax** (03) 9931 2201  
**Email** [info@campbellsfert.com.au](mailto:info@campbellsfert.com.au)  
**Website** [www.campbellsfert.com.au](http://www.campbellsfert.com.au)

### 1.4 Emergency telephone number(s)

**Emergency** (03) 9931 2211 (9am - 5pm Monday - Friday)  
**Emergency** 0418 350 726 (At all other times)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO AUSTRALIAN WHS REGULATIONS

**GHS classification(s)** Skin Corrosion/Irritation: Category 3  
Serious Eye Damage / Eye Irritation: Category 2A

### 2.2 Label elements

**Signal word** WARNING

**Pictogram(s)**



### Hazard statement(s)

H316 Causes mild skin irritation.  
H319 Causes serious eye irritation.

### Prevention statement(s)

P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Response statement(s)

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332 + P337 + P313 If skin or eye irritation occurs: Get medical advice/ attention.

### Storage statement(s)

None allocated.

**PRODUCT NAME TRACE-IT MAGNESIUM****Disposal statement(s)**

None allocated.

**2.3 Other hazards**

No information provided.

---

**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

---

**3.1 Substances / Mixtures**

| Ingredient                          | CAS Number    | EC Number     | Content   |
|-------------------------------------|---------------|---------------|-----------|
| MAGNESIUM (II) NITRATE, HEXAHYDRATE | 13446-18-9    | 603-823-9     | 65 to 70% |
| NON HAZARDOUS INGREDIENTS           | Not Available | Not Available | 30 to 35% |

---

**4. FIRST AID MEASURES**

---

**4.1 Description of first aid measures**

|                             |  |
|-----------------------------|--|
| <b>Eye</b>                  | If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.                 |
| <b>Inhalation</b>           | If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.  |
| <b>Skin</b>                 | If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor. |
| <b>Ingestion</b>            | For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Also give water to drink.  |
| <b>First aid facilities</b> | Eye wash facilities should be available.   |

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

Over exposure may result in methaemoglobinemia, where the blood's oxygen-carrying capacity is reduced.

**4.3 Immediate medical attention and special treatment needed**

Treat as for nitrate overexposure (methemoglobinemia).

---

**5. FIRE FIGHTING MEASURES**

---

**5.1 Extinguishing media**

Use an extinguishing agent suitable for the surrounding fire.

**5.2 Special hazards arising from the substance or mixture**

Non flammable. May evolve toxic gases if strongly heated. May evolve nitrogen oxides, magnesium oxides and sulphur oxides.

**5.3 Advice for firefighters**

No fire or explosion hazard exists.

**5.4 Hazchem code**

None allocated.

---

**6. ACCIDENTAL RELEASE MEASURES**

---

**6.1 Personal precautions, protective equipment and emergency procedures**

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

**6.2 Environmental precautions**

Prevent product from entering drains and waterways.

**6.3 Methods of cleaning up**

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

**6.4 Reference to other sections**

See Sections 8 and 13 for exposure controls and disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs.

### 7.3 Specific end use(s)

No information provided.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure standards

No exposure standards have been entered for this product.

#### Biological limits

No biological limit values have been entered for this product.

### 8.2 Exposure controls

**Engineering controls** Avoid inhalation. Use in well ventilated areas.

#### PPE

|                    |   |
|--------------------|---|
| <b>Eye / Face</b>  | Wear splash-proof goggles.  |
| <b>Hands</b>       | Wear PVC or rubber gloves.  |
| <b>Body</b>        | When using large quantities or where heavy contamination is likely, wear coveralls. |
| <b>Respiratory</b> | Not required under normal conditions of use.  |



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                                  |                   |
|----------------------------------|-------------------|
| <b>Appearance</b>                | OFF-WHITE LIQUID  |
| <b>Odour</b>                     | MILD ODOUR        |
| <b>Flammability</b>              | NON FLAMMABLE     |
| <b>Flash point</b>               | NOT RELEVANT      |
| <b>Boiling point</b>             | NOT AVAILABLE     |
| <b>Melting point</b>             | NOT AVAILABLE     |
| <b>Evaporation rate</b>          | NOT AVAILABLE     |
| <b>pH</b>                        | 3 (Approximately) |
| <b>Vapour density</b>            | NOT AVAILABLE     |
| <b>Specific gravity</b>          | 1.358             |
| <b>Solubility (water)</b>        | SOLUBLE           |
| <b>Vapour pressure</b>           | NOT AVAILABLE     |
| <b>Upper explosion limit</b>     | NOT RELEVANT      |
| <b>Lower explosion limit</b>     | NOT RELEVANT      |
| <b>Partition coefficient</b>     | NOT AVAILABLE     |
| <b>Autoignition temperature</b>  | NOT AVAILABLE     |
| <b>Decomposition temperature</b> | NOT AVAILABLE     |
| <b>Viscosity</b>                 | NOT AVAILABLE     |
| <b>Explosive properties</b>      | NOT AVAILABLE     |
| <b>Oxidising properties</b>      | NOT AVAILABLE     |
| <b>Odour threshold</b>           | NOT AVAILABLE     |

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

### 10.2 Chemical stability

Stable under recommended conditions of storage.

### 10.3 Possibility of hazardous reactions

Polymerization is not expected to occur.

### 10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

### 10.5 Incompatible materials

Incompatible with combustible materials, and reducing agents (e.g. sulphites). Incompatible with acids (e.g. nitric acid) and alkalis (e.g. sodium hydroxide).

### 10.6 Hazardous decomposition products

May evolve toxic gases if heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Information available for the product:

Based on available data, the classification criteria are not met.

#### Information available for the ingredient(s):

| Ingredient                          | Oral Toxicity (LD50) | Dermal Toxicity (LD50) | Inhalation Toxicity (LC50) |
|-------------------------------------|----------------------|------------------------|----------------------------|
| MAGNESIUM (II) NITRATE, HEXAHYDRATE | 5440 mg/kg (rat)     | --                     | --                         |

|                                 |  |
|---------------------------------|--|
| <b>Skin</b>                     | Mild skin irritant. Prolonged or repeated contact may result in mild irritation.         |
| <b>Eye</b>                      | Irritating to the eyes. Contact may result in irritation, lacrimation, pain and redness. |
| <b>Sensitisation</b>            | Not classified as causing skin or respiratory sensitisation.                             |
| <b>Mutagenicity</b>             | Not classified as a mutagen.   |
| <b>Carcinogenicity</b>          | Not classified as a carcinogen.  |
| <b>Reproductive</b>             | Not classified as a reproductive toxin.  |
| <b>STOT – single exposure</b>   | Not classified as causing organ damage from single exposure.                             |
| <b>STOT – repeated exposure</b> | Not classified as causing organ damage from repeated exposure.                           |
| <b>Aspiration</b>               | Not classified as causing aspiration.  |

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Not expected to be harmful to the environment if released in small amounts.

### 12.2 Persistence and degradability

No information provided.

### 12.3 Bioaccumulative potential

No information provided.

### 12.4 Mobility in soil

No information provided.

### 12.5 Other adverse effects

Plant nutrients may be beneficial to plants at low levels, however high levels may cause reduced growth or burns in sensitive species. Excess may be washed through soil to waterways. Nutrients released to waterways may cause algal blooms, with potential for toxic effects on aquatic organisms.

### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Waste disposal** Dispose of to an approved landfill or waste processing site. Contact the manufacturer/supplier for additional information (if required).

**Legislation** Dispose of in accordance with relevant local legislation.

### 14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

|                             | LAND TRANSPORT<br>(ADG) | SEA TRANSPORT<br>(IMDG / IMO) | AIR TRANSPORT<br>(IATA / ICAO) |
|-----------------------------|-------------------------|-------------------------------|--------------------------------|
| 14.1 UN Number              | None Allocated          | None Allocated                | None Allocated                 |
| 14.2 Proper Shipping Name   | None Allocated          | None Allocated                | None Allocated                 |
| 14.3 Transport Hazard Class | None Allocated          | None Allocated                | None Allocated                 |
| 14.4 Packing Group          | None Allocated          | None Allocated                | None Allocated                 |

**14.5 Environmental hazards** No information provided

#### 14.6 Special precautions for user

**Hazchem code** None Allocated

### 15. REGULATORY INFORMATION

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Poison schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classifications** Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.  
The classifications and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)].

**Hazard codes** Xi Irritant

**Risk phrases** R36 Irritating to eyes.

**Safety phrases** S25 Avoid contact with eyes.  
S37/39 Wear suitable gloves and eye/face protection.

**Inventory listing(s)** **AUSTRALIA: AICS (Australian Inventory of Chemical Substances)**  
All components are listed on AICS, or are exempt.

### 16. OTHER INFORMATION

**Additional information** EXPOSURE STANDARDS - TIME WEIGHTED AVERAGES: Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: Strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

#### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Abbreviations**

|                   |   |
|-------------------|---|
| ACGIH             | American Conference of Governmental Industrial Hygienists                                       |
| CAS #             | Chemical Abstract Service number - used to uniquely identify chemical compounds                 |
| CNS               | Central Nervous System  |
| EC No.            | EC No - European Community Number   |
| EMS               | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)                   |
| GHS               | Globally Harmonized System  |
| GTEPG             | Group Text Emergency Procedure Guide  |
| IARC              | International Agency for Research on Cancer   |
| LC50              | Lethal Concentration, 50% / Median Lethal Concentration   |
| LD50              | Lethal Dose, 50% / Median Lethal Dose   |
| mg/m <sup>3</sup> | Milligrams per Cubic Metre  |
| OEL               | Occupational Exposure Limit   |
| pH                | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| ppm               | Parts Per Million   |
| STEL              | Short-Term Exposure Limit   |
| STOT-RE           | Specific target organ toxicity (repeated exposure)  |
| STOT-SE           | Specific target organ toxicity (single exposure)  |
| SUSMP             | Standard for the Uniform Scheduling of Medicines and Poisons                                    |
| SWA               | Safe Work Australia   |
| TLV               | Threshold Limit Value   |
| TWA               | Time Weighted Average   |

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

**Prepared by**

Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: info@rmt.com.au  
Web: www.rmt.com.au.

**[ End of SDS ]**