

## SAFETY DATA SHEET

### SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** MAGNESIUM SULPHATE  
**Other Names:** Epsom Salt, Magnesium Sulphate Heptahydrate.  
**Product Code:** FRI0265  
**Product Use:** Fertiliser  
**Company Name:** Richgro Garden Products  
**Company Address:** 203 Acourt Road, Jandakot WA 6164  
**Telephone Number:** (08) 6258 7100 or Toll free 1800 455 132  
**Fax Number:** (08) 9455 1297 or Toll free 1800 671 297  
**Email:** customerservice@richgro.com.au  
**This version issued:** December 2016 and is valid for 5 years from this date.

### SECTION 2 - HAZARDS IDENTIFICATION

#### Statement of Hazardous Nature

This product is classified as: Not classified as hazardous according to the criteria of SWA.  
Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**SUSMP Classification:** None allocated.

**ADG Classification:** None allocated. Not a Dangerous Good under the ADG Code.

**UN Number:** None allocated

**GHS Signal word:** NONE. Not hazardous.

#### PREVENTION

P102: Keep out of reach of children.

#### RESPONSE

P304+P341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P302+P350: If ON SKIN: Gently wash with plenty of soap and water.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P332+P313: If skin irritation occurs: Get medical advice.

P337+P313: If eye irritation persists: Get medical advice.

P391: Collect spillage.

P370+P378: Not combustible. Use extinguishing media suited to burning materials.

#### STORAGE

P402+P404: Store in a dry place. Store in a closed container.

#### DISPOSAL

P501: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Conc. %	TWA (mg/m <sup>3</sup> S)	STEL (mg/m <sup>3</sup> )
Magnesium Sulphate Heptahydrate	10034-99-8	100.00%	-	-

### SECTION 4 - FIRST AID MEASURES

**General Information:** Whenever fertilisers are in regular use ensure drinking water and eyewash facilities are available.

**Inhalation:** Remove victim from exposure to fresh air - avoid becoming a casualty. Seek medical advice if effects persist.

**Skin Contact:** Remove contaminated clothing. Wash affected area with soap and plenty of water. If irritation persists, seek medical attention.

**Eye Contact:** Immediately flush eyes with plenty of water for 15 minutes holding eyelids open. In all cases of eye contamination, it is a sensible precaution to seek medical advice.

**Ingestion:** Rinse mouth with water. Give water to drink. Do NOT induce vomiting. Seek medical attention.

**Advice to doctor:** Treat symptomatically.

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### SECTION 5 - FIRE FIGHTING MEASURES

<b>Flammability:</b>	Product is a non-flammable solid.
<b>Extinguishing Media:</b>	Water, dry powder, foam, carbon dioxide.
<b>Hazard from combustion products:</b>	Heating to dryness will produce obnoxious and toxic fumes.
<b>Personal Protective Equipment:</b>	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing.
<b>Flash Point:</b>	No data available.
<b>Auto Ignition Temperature:</b>	No data available.
<b>Hazchem Code:</b>	No data available.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

#### Methods and Materials for containment and clean up

Any spillage should be cleaned up promptly and swept up (slippery when spilt). Prevent run-off into drains and waterways.

### SECTION 7 - HANDLING AND STORAGE

#### Precautions for safe handling

Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Do not inhale product dust.

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

Store in a cool, dry and well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage.

### SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### National exposure standards:

No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC). However, the exposure standard for dust not otherwise specified is **10 mg/m<sup>3</sup>** (for inspirable dust) and **3 mg/m<sup>3</sup>** (for respirable dust).

**Exposure Limits:** No data available.

**Biological Limits:** No information available on biological limit values for this product.

**Engineering controls:** Use in well ventilated areas. Avoid high dust concentration.

**Personal protective equipment:** Wear an effective dust mask where dusts/vapours are generated and engineering controls are inadequate (AS1715/1716), use safety glasses with side shields (AS1336/1337), and wear rubber or plastic gloves (AS2161). Long-sleeved protective clothing and safety footwear (AS3765/2210) is recommended while handling this product.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

<b>Physical description &amp; colour:</b>	White granules.
<b>Odour:</b>	No odour.
<b>Boiling Point / Range:</b>	No data available.
<b>Freezing / Melting Point:</b>	No data available.
<b>Specific Gravity:</b>	No data available.
<b>Bulk Density:</b>	1.08 t/m <sup>3</sup>
<b>pH of 10% solution:</b>	6.0 – 8.0.
<b>Evaporation Rate:</b>	No data available.
<b>Solubility:</b>	Completely miscible.
<b>Flammability:</b>	Not flammable.
<b>Ignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.

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### SECTION 10 - STABILITY AND REACTIVITY

<b>General Information:</b>	Product is a non-flammable solid.
<b>Reactivity:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Conditions to avoid:</b>	No data available.
<b>Materials to avoid:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	Heating to dryness will produce obnoxious and toxic fumes of oxides of Sulphur (if heated to dryness).

### SECTION 11 - TOXICOLOGICAL INFORMATION

<b>General Information:</b>	Human, Oral TDLo: 428mg/kg. Leads to muscle weakness. Acts as a laxative. Mouse, Oral LDLo: 5g/kg.
<b>Mutagenicity:</b>	Mutation data reported for the anhydrous salt. No information available for the solution.
<b>Carcinogen Category:</b>	0
<b>Health Effects:</b>	
<b>Inhalation:</b>	High dust concentration of air-borne material may cause irritation to the nose and upper respiratory tract.
<b>Skin:</b>	Prolonged contact may cause some irritation, including redness and itching.
<b>Eye:</b>	Mild eye irritation may result.
<b>Swallowed:</b>	Acts like a laxative. Ingestion of sufficient quantities may lead to heart changes, flaccid paralysis and cyanosis.

### SECTION 12 - ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	It is not anticipated to cause any adverse effects to plants or animals.
<b>Persistence/Degradability:</b>	Not biodegradable.
<b>Mobility:</b>	Completely miscible in water.
<b>Environmental Fate:</b>	Do NOT allow product to reach waterways, drains and sewers.
<b>Bioaccumulation Potential:</b>	No data available.
<b>Environmental Impact:</b>	No data available.

### SECTION 13 - DISPOSAL CONSIDERATIONS

#### Disposal methods and containers

Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

#### Special Precautions for Land Fill:

Contact a specialist disposal company or the local waste regulator for advice.

### SECTION 14 - TRANSPORT INFORMATION

<b>ADG Code:</b>	Non-Dangerous Goods according to the criteria of the Australian Dangerous Goods Code (ADG Code).
<b>UN Number:</b>	None allocated.
<b>UN Proper Shipping Name:</b>	Magnesium Sulphate Heptahydrate.
<b>Class and Subsidiary Risk:</b>	None allocated.
<b>Packing Group:</b>	None allocated.
<b>EPG:</b>	None allocated.
<b>Hazchem Code:</b>	None allocated.

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### SECTION 15 - REGULATORY INFORMATION

#### Australian Regulatory Information:

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

The chemical is listed on the Australian Inventory of Chemical Substances (AICS).

### SECTION 16 - OTHER INFORMATION

**This SDS contains only safety-related information - for other data see Product Specification.**

#### Acronyms:

<b>ADG Code</b>	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition
<b>AICS</b>	Australian Inventory of Chemical Substances
<b>CAS Number</b>	Chemical Abstracts Service Registry Number
<b>Hazchem Code</b>	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
<b>IARC</b>	International Agency for Research on Cancer
<b>mg/m<sup>3</sup></b>	Milligram per cubic metre
<b>mg/kg</b>	Milligram per kilogram
<b>NOS</b>	Not otherwise specified
<b>NTP</b>	National Toxicology Program (USA)
<b>SUSMP</b>	Standard for the Uniform Scheduling of Medicines & Poisons
<b>SWA</b>	Safe Work Australia, formerly ASCC and NOHSC
<b>UN Number</b>	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

**Please read all labels carefully before using product**