SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Sulfate of Potash
Other Names: Mega Booster Potash, Sulphate of Potash, Potassium Sulfate, SOP
Product Use: Fertiliser in Agriculture and Horticulture, general purpose food additive
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: May 2013 and is valid for 5 years from this date.

SECTION 2 - HAZARDS IDENTIFICATION

Hazardous Substance
This product is not classified as hazardous according to Safe Work Australia.

Dangerous Goods
This product is not classified as a dangerous good according to the ADG Code.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Proportion of Ingredients</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dipotassium Sulfate</td>
<td>7778-80-5</td>
<td>96%</td>
</tr>
<tr>
<td>Potassium Chloride</td>
<td>7447-40-7</td>
<td>&lt;4%</td>
</tr>
</tbody>
</table>

SECTION 4 - FIRST AID MEASURES

General Information:
Drinking water and eyewash facilities should be available whenever fertilisers are in regular use.

Inhalation: If over exposure occurs remove the affected person from exposure to fresh air. Keep warm and at rest. In emergency situations, if breathing is difficult give oxygen. If the affected person suffers cardiac arrest commence cardio-pulmonary resuscitation immediately and seek urgent medical attention.

Skin Contact: Remove all contaminated clothing and shoes. Wash affected area gently and thoroughly with warm water (use non-abrasive soap if necessary). If irritation develops seek immediate medical attention.

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes while holding eyelids open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Seek medical attention if irritation develops.

Swallowed: If person is conscious, rinse mouth thoroughly with water immediately and give water to drink. DO NOT induce vomiting. Seek medical attention immediately if there is pain or difficulty with swallowing.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability: Non flammable and does not support combustion.
Extinguishing Media: Non flammable and does not support combustion.
Hazard from combustion products: Non-combustible solid. When heated above 1066°C Sulfate of Potash may yield toxic oxides of sulfur.
Hazchem Code: Not allocated

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Accidental release: Any spillage should be cleaned up promptly and swept up. Prevent run-off into drains and waterways.
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SECTION 7 - HANDLING AND STORAGE

Handling: Segregate from food or foodstuffs, oxidizing agents (Class 5) and acids (Class 8) when transporting.
Storage: Store in a cool, dry and well-ventilated area. Avoid contact with moisture, as it will cause product-handling problem. Store away from oxidizers, acids and from food or drink. Violent explosion occurs when Sulfate of Potash is melted with aluminium.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

National Exposure Standards
No exposure standard has been established for this product by the ACGIH. However, ACGIH recommended value for inhalable particulates is 100mg/m3 (TLV/TWA).
Note: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.

Engineering Controls: Ensure adequate local and/or general exhaust ventilation to avoid high dust concentration.

Personal Protective Equipment
Ventilation: Use in well ventilated areas. Avoid high dust concentration.
Eye Protection: Wear chemical safety glasses with side shields to prevent eye contact.
Skin Protection: Prevent skin contact by wearing long sleeves, long trousers, impervious gloves, clothes and, preferably, apron. Make sure that all skin areas are covered.
Protective Material Types: Wear rubber or PVC gloves to prevent skin contact.
Respirator: If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a P2 type canister respirator.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

Physical Description & colour: Colourless to white hard crystals or powdered solid.
Odour: Odourless.
Boiling Point: 1689˚C at 100 kPa.
Freezing/Melting Point: 1067˚C
% Volatiles: Not available.
Vapour Pressure: Does not exert significant vapour pressure.
Vapour Density: Not available.
Solubility: Soluble in water (12g/100g water at 20˚C), not soluble in water or acetone.

pH of 10% solution: 3 - 4
Specific Gravity/Bulk Density: 2.66/1.03 – 1.20t/m3
Flammability: Not flammable.
Flash Point: Not Relevant
Upper & Lower Flammable (Explosive limits in air) Not Relevant.
Evaporation Rate: Not available.
Autoignition temp: Not available.

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Incompatible with aluminium, magnesium or sodium sulphate and may explode in combination with these at temperature exceeding 800˚C.
Incompatibilities: Corrosive similar to common salt. In the presence of moisture, Sulfate of Potash is mildly corrosive to cement, mild steel, zinc and copper.
Decomposition Products: No data available.
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SECTION 11 - TOXICOLOGICAL INFORMATION

Health Effects: Low toxicity. Use safe work practices to avoid eye or skin contact and dust inhalation. Sulfate of Potash is relatively non toxic when ingested in small quantities. Acute potassium intoxication is rare since the potassium ion tends to cause vomiting. Ingestion of large quantities may cause gastrointestinal irritation.

Inhalation: High dust concentration of air-borne material may cause irritation to the nose and upper respiratory tract. Symptoms may include coughing, shortness of breath and sore throat.

Skin: Prolonged contact may cause some irritation, including redness and itching. No harmful effects from skin absorption have been recorded.

Eye: May cause irritation, redness and pain following contact.

Swallowed: Present low toxicity, unless large amounts are ingested. Potassium Sulfate is slowly absorbed from the alimentary tract and because of osmotic activity it will draw water into the lumen of the bowel. Consequently, massive doses exceeding about 100gms of Potassium Sulfate give rise to severe gastrointestinal irritation, with symptoms such as nausea, vomiting, diarrhea, irregular heart beats (arrhythmia), dehydration and hypertension. Smaller doses will likely irritate the mouth, esophagus, stomach etc.

Toxicity Data:

Dipotassium sulphate (7778-80-5)
- LDLo (Subcutaneous): 3000mg/kg (guinea pig)
- TDLo (Ingestion): 750mg/kg (woman)
- LD50 (Ingestion): 6600mg/kg (rat)
- LDLo (Ingestion): 750mg/kg (woman)

Potassium chloride (7447-40-7)
- LDLo (Intravenous): 77mg/kg (guinea pig)
- LDLo (Intraperitoneal): 900mg/kg (guinea pig)
- LD50 (Intraperitoneal): 620mg/kg (mouse)
- LDLo (Subcutaneous): 2120mg/kg (frog)
- TDLo (Ingestion): 60 mg/kg/days (woman)
- LD50 (Ingestion): 1500 mg/kg (mouse)
- LDLo (Ingestion): 20 mg/kg (man)
- LD50 (Intravenous): 117 mg/kg (mouse)

SECTION 12 - ECOLOGICAL INFORMATION

This product is not anticipated to cause any adverse effects to plants or animals.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal: Dispose of on a farm, or authorised waste facility in accordance with statutory requirements. Clean up personnel should vacuum or wet sweep to avoid dust dispersal. Contact the Manufacturer if additional information is required.

Legislation: Dispose of in accordance with relevant local and state legislation.

SECTION 14 - TRANSPORT INFORMATION

Land Transport: Regulation name - ADG
UN Number: None allocated.
UN Proper Shipping Name: None allocated.
Class and Subsidiary Risk: None allocated.
Packing Group: None allocated.
EPG: None allocated.
Hazchem Code: 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 of the Uniform Scheduling of Drugs and Poisons (SUSDP)
All chemicals listed on the Australian Inventory of Chemical Substances (AICS)

SECTION 16 - OTHER INFORMATION

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ACGIH  American Conference of Government Industrial Hygienists
AICS  Australian Inventory of Chemical Substances
CAS  Chemical Abstracts Service (Registry Number)
ES-Peak  Exposure Standard – Peak level
ES-STEL  Exposure Standard – Short term exposure level
ES-TWA  Exposure Standard – Time weighted average
LD Lo  The lowest dose in an animal study in which lethality occurred
LD50  Lethal dose 50. The single dose of a substance that causes the death of 50% of an animal population from exposure to the substance by any route other than inhalation
mg/m3  Milligrams per cubic metre
mg/kg  Milligrams per kilogram
pH  Relates to hydrogen ion concentration – this value will relate to a scale of 0 – 14 where 0 is highly acidic and 14 is highly alkaline.
NOHSC  National Occupational Health and Safety Commission
SUSDP  Standard for the Uniform Scheduling of Drugs and Poisons
TC Lo  Toxic concentration low. It is the lowest concentration of a substance in air to which humans (or animals) have been exposed for any given period of time that has produced any toxic effect or produced a tumorigenic or reproductive effect to one or more members of the group of subjects.
t/m3  Tonnes per cubic metre

TO THE BEST OF OUR KNOWLEDGE THIS DOCUMENT COMPLIES WITH THE NATIONAL CODE OF PRACTICE FOR THE PREPARATION OF MATERIAL SAFETY DATA SHEETS 2ND EDITION [NOHSC:2011(2003)]

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD STATEMENT INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE, INCLUDING IN CONJUNCTION WITH OTHER PRODUCTS.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THE SAFETY AND EMERGENCY SERVICES DEPARTMENT, RICHGRO GARDEN PRODUCTS ON (08) 6258 7100 (AUSTRALIA), +61 8 6258 7100 (OVERSEAS). 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.

RICHGRO GARDEN PRODUCTS RESERVES THE RIGHT TO MAKE CHANGES TO MATERIAL SAFETY DATA SHEETS WITHOUT NOTICE.

Please read all labels carefully before using product.