

# SAFETY DATA SHEET

## Daltons Premium Rose and Flower Fertiliser



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### Section 1: Substance Identification and Supplier

|   |   |
|---|---|
| <b>Product Name:</b>                        | Daltons Premium Rose & Flower Fertiliser  |
| <b>Other names:</b>                         | No other name   |
| <b>Chemical formula:</b>                    | No chemical formula   |
| <b>Recommended Use:</b>                     | Fertiliser (Consumer Use (SU 21))   |
| <b>Company Identification:</b>              | Daltons Limited   |
| <b>Address:</b>                             | 266 Hinuera Road West<br>Matamata 3440  |
| <b>Customer Centre:</b>                     | 0800 808 150 (New Zealand)<br>Hours of operation: Monday – Friday 7.30 a.m. – 5.00 p.m. |
| <b>National Poisons Information Centre:</b> | 0800 POISON (0800 764 766)<br>0800 CHEMCALL (0800 243 622) (24hr) (Emergencies Only)    |
| <b>Emergency Telephone Number:</b>          | 111 - tell operator what service is needed: Fire,<br>Ambulance, Police                  |

### Section 2: Hazard Identification

|                                     |   |
|-------------------------------------|---|
| <b>HSNO Hazard Classifications:</b> | 6.1 E Oral and Dermal<br>6.3 B<br>6.4 A (mild irritant)<br>9.1 D  |
| <b>Signal Word:</b>                 | Warning   |
| <b>Hazard Pictogram:</b>            | None  |
| <b>Hazard Statements:</b>           | May be harmful if swallowed<br>May be harmful in contact with skin<br>Causes eye irritation<br>Harmful to aquatic life  |
| <b>Prevention Statements:</b>       | Keep out of reach of children<br>Read label before use<br>Read Safety Data Sheet before use<br>Wash hands thoroughly after handling   |
| <b>Response Statements:</b>         | If medical advice is needed, have product container or label at hand.<br>Call a POISON CENTRE or doctor/physician if you feel unwell<br>Do NOT induce vomiting<br>If skin irritation occurs: get medical advice.<br>If in eyes; rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>If eye irritation persists: get medical advice/attention. |
| <b>Storage:</b>                     | None  |
| <b>Disposal:</b>                    | Dispose of this product by using in accordance with the product label directions<br>Do not dispose of this product down drains or sewers<br>Collect any unused product and dispose of in an approved landfill or according to local area regulations  |

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### Section 3: Composition Information

| INGREDIENT  | CONCENTRATION | CAS NUMBER |
|---|---------------|------------|
| Ammonium nitrate                                      | 30 – 40 %     | 6484-52-2  |
| Potassium sulphate                                    | 10 – 20 %     | 7778-80-5  |
| Balance of ingredients determined to be non-hazardous |               |            |

### Section 4: First Aid Measures

|                            |  |
|----------------------------|--|
| <b>First Aid Measures:</b> | Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.  |
| <b>Inhalation:</b>         | If ill effects occur, remove patient to fresh air and keep at rest in position comfortable for breathing. Seek medical assistance.   |
| <b>Ingestion:</b>          | Never give anything by mouth to an unconscious person. If swallowed, seek medical attention. Do NOT induce vomiting unless directed to do so by a medical professional.  |
| <b>Skin:</b>               | If skin contact occurs, remove contaminated clothing and wash affected area thoroughly with soap and water. If it causes any irritation seek medical advice. Wash hands thoroughly before eating.                          |
| <b>Eye:</b>                | Immediately flush with gentle stream of water for until irritation gone, holding eyelids open if necessary. Remove contact lenses if present and easy to do. Seek medical attention if eye irritation or infection occurs. |
| <b>Advice to Doctor:</b>   | Treat symptomatically.   |

### Section 5: Fire Fighting Measures

|  |   |
|--|---|
| <b>Combustion Products:</b>            | Carbon oxides. Phosphorus oxides. Ammonia. Nitrogen oxides  |
| <b>Extinguishing Media:</b>            | Water   |
| <b>Unsuitable Extinguishing Media:</b> | High volume water jet, dry powder, sand or foam   |
| <b>Protective Equipment:</b>           | Not combustible. Use appropriate apparatus including breathing apparatus goggles and protective gloves for the surrounding materials. |
| <b>HAZCHEM Code:</b>                   | None allocated  |

### Section 6: Accidental Release Measures

|                             |  |
|-----------------------------|--|
| <b>Spills and Disposal:</b> | Protect yourself and others from injury or from inhaling any dust that may be present. Wear appropriate protective clothing. For either large or small spills; contain spill and sweep up. Collect and place in sealable containers. Avoid generating dust. Reuse or recycle where possible. |
| <b>Protective Clothing:</b> | For appropriate personal protective equipment see section 8.   |
| <b>Environmental :</b>      | Avoid unintended release of excessive amounts into waterways or sewers. If contamination of sewers or waterways occurs, advise local emergency services.   |

### Section 7: Handling and Storage

|                  |   |
|------------------|---|
| <b>Handling:</b> | Read the packaging information and/or the safety data sheet prior to opening and using this product. Pay particular attention to the information surrounding safe use and handling. Only use this product as intended. Do not breathe any dusts. Keep away from animals and supervise children when using this product. Use only outdoors or in a well-ventilated area. Avoid skin, mouth and eye contact. Do not eat, drink or smoke when using this product or in areas that may come in contact with this product.<br>Always wear gloves and wash hands immediately after use and particularly before eating, drinking or smoking. |
|------------------|---|

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### Section 7: Handling and Storage

|                           |   |
|---------------------------|---|
| <b>Storage:</b>           | Store in a cool, dry, well-ventilated area. Ensure containers/ packages are adequately labelled or in their original packaging, protected from physical damage and sealed when not in use. Store away from children, animals, food and drink.<br>Daltons Premium Rose & Flower Fertiliser is subject to further requirements according to the Hazardous Substances (Emergency Management) Regulations 2001. If stored in quantities of more than 10 000 kilograms either alone or in combination with other hazardous substance an emergency plan and signage is mandatory. |
| <b>Other Information:</b> | Avoid unintended release into the environment   |
| <b>Approved Handler:</b>  | Not required  |
| <b>Tracking:</b>          | Not required  |
| <b>Record Keeping:</b>    | Not required  |

### Section 8: Exposure Control/Personal Protection

|                              |   |
|------------------------------|---|
| <b>Exposure Limits:</b>      | No value assigned for this specific product by EPA or NZ Department of Labour Health and Safety. Workplace Exposure Standards for particulates not otherwise classified:<br>Inhalable Time Weighted Average (TWA): 10 mg/m <sup>3</sup><br>Respirable dust Time Weighted Average (TWA): 3 mg/m <sup>3</sup><br>Total Exposure Limit (TEL): Not assigned   |
| <b>Engineering Controls:</b> | Use only in a well ventilated area. Avoid generation and inhalation of dust. Keep packaging closed when not in use.   |
| <b>Protective Equipment:</b> | <b>Respiratory Protection:</b><br>Ensure adequate ventilation at all times. Avoid breathing dust. If required wear a suitable mask or particulate respirator according to AS/NZS 1715/1716.<br><b>Skin Protection:</b><br>Avoid direct contact with skin. Always wear appropriate gloves such as nitrile gloves or those specified in AS/NZS 2161 and wash hands, arms and any skin which may have come into contact with the product with soap and water immediately after use and particularly before eating, drinking or smoking. Wash any contaminated clothing or other protective equipment before storing or reusing.<br><b>Eye Protection:</b><br>Avoid contact with eyes. If there is a risk of dust exposure wear dust resistant eye protection as specified in AS/NZS 1336 and ensure that the media is damp to reduce generation of dust. |

### Section 9: Physical And Chemical Properties

|                             |                                      |
|-----------------------------|--------------------------------------|
| <b>Appearance:</b>          | Purple, blue and green/yellow prills |
| <b>Odour:</b>               | No specific odour                    |
| <b>Bulk Density:</b>        | 1000 – 1100 kg/m <sup>3</sup>        |
| <b>pH:</b>                  | 4.5 – 5.0                            |
| <b>Solubility in Water:</b> | Some solubility in water             |
| <b>Freezing Point:</b>      | No data available                    |
| <b>Vapour Pressure:</b>     | No data available                    |
| <b>Vapour Density:</b>      | No data available                    |
| <b>Boiling Point:</b>       | No data available                    |

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### Section 10: Stability And Reactivity

|  |   |
|--|---|
| <b>Stability:</b>                        | Product is stable under normal conditions of use.   |
| <b>Conditions to Avoid:</b>              | Avoid contact with foodstuffs, hands, eyes and face. Avoid inhalation of dust. Avoid contact with other chemicals. Avoid excessive heat, ignition sources and open flames.  |
| <b>Incompatible Materials:</b>           | Incompatible with strong oxidizing agents and sulphur, chlorites, chloride, chlorates, Hypochlorites, acid or alkaline reacting substances, flammable oxidizable substances, nitrites, metallic salts, metallic powder, herbicide, chlorinated hydrocarbons or organic compounds. |
| <b>Hazardous Decomposition Products:</b> | Carbon oxides. Phosphorus oxides. Ammonia. Nitrogen oxides.   |

### Section 11: Toxicological Information

No adverse health effects should occur in the product is handled in accordance with this Safety Data Sheet and the recommendations made on the packaging.

|                       |  |
|-----------------------|--|
| <b>Ingestion:</b>     | Ingesting large amounts of the product may cause nausea and vomiting and lead to abdominal discomfort and increased risk of gastrointestinal issues.   |
| <b>Skin:</b>          | Contact with skin may lead to skin irritation and in sensitive people may lead to dermatitis.  |
| <b>Inhalation:</b>    | Inhalation of the product may irritate or aggravate pre existing conditions such as hayfever or asthma. Inhalation may also lead in irritation or inflammation of the nose, throat or lungs. |
| <b>Eye:</b>           | An irritant. May cause redness or watering of the eye and lead to irritation or infection.   |
| <b>Toxicity data:</b> | Calculated Acute oral toxicity LD50 (Rat): 4400 mg/kg  |

### Section 12: Ecological Information

|                               |   |
|-------------------------------|---|
| <b>Ecotoxicity:</b>           | Contain the media and avoid unintended release into streams, groundwater and waterways. |
| <b>Persistence:</b>           | No data available   |
| <b>Degradability:</b>         | No data available   |
| <b>Mobility:</b>              | No data available   |
| <b>Bio-accumulation</b>       | No data available   |
| <b>Other Adverse effects:</b> | No data available   |

### Section 13: Disposal Information

|                          |  |
|--------------------------|--|
| <b>Product Disposal:</b> | Observe any local authority, national and regional restrictions that may apply. Dispose of the product according to these observances. Dispose of the empty packaging by placing into the domestic rubbish or according to local authority instructions. |
|--------------------------|--|

### Section 14: Transport Information

|                                 |  |
|---------------------------------|--|
| <b>Transport requirements:</b>  | Protect from extreme heat, moisture and strong acids or oxidizing agents.  |
| <b>Road and Rail Transport:</b> | Not classified as a Dangerous Good under NZ5433:2012 Transport of Dangerous Goods on Land.   |
| <b>Air Transport:</b>           | Not classified as a Dangerous Good by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by air: Non Dangerous Goods. |
| <b>Marine Transport:</b>        | Not Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG) for transport by sea. Non Dangerous Goods.                         |

### Section 15: Regulatory Information

#### EPA New Zealand Approval Code:

Based on available information, classified as a Fertiliser (Subsidiary Hazard) Group Standard HSR002571 according to the Hazardous Substances and New Organisms Act 1996.

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### Section 16: Other Information

This SDS supersedes all previous versions and was reviewed to include HSNO requirements.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty with regard to the product properties is expressed or implied.

**Prepared and revised by**  
**Quality Assurance and Technical (Daltons Ltd)**

#### **Reason for Issue**

To provide information and data on health and safety hazards of the product and to give guidance on how to safely handle in the workplace.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. This **Safety Data Sheet** is provided in good faith based on current knowledge and experience and **summarises the chemical, health and safety hazards of this product. It also covers guidance on how to safely handle the product in the workplace.**

**Daltons Ltd cannot control the conditions or environment where the product is used and each user must prior to usage assess and control the risks arising from the use of this product.**

**Contact Daltons Ltd if further information is required. Contact details are on Page 1.**

**ALWAYS READ THE LABEL BEFORE USING THE PRODUCT**