

SAFETY DATA SHEET

Garden Time Acid Fertiliser



Page 1 of 5

08/05/19

Section 1: Substance Identification and Supplier

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

Section 2: Hazard Identification

HSNO Hazard Classifications:	6.1E Oral and Dermal 6.3 A 6.4 A (mild irritant) 9.1 D 9.3 C
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Signal Word: Warning

Hazard Pictogram:



TOXIC

Hazard Statements:	May be harmful if swallowed May be harmful in contact with skin Causes skin irritation Causes eye irritation Harmful to aquatic life Harmful to terrestrial vertebrates
Prevention Statements:	Keep out of reach of children Read label before use Read Safety Data Sheet before use Wash hands thoroughly after handling Wear protective gloves/clothing
Response Statements:	If medical advice is needed, have product container or label at hand. Call a POISON CENTRE or doctor/physician if you feel unwell. Do NOT induce vomiting. If on skin: wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before re-use. If in eyes; rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.
Storage:	None
Disposal:	Dispose of this product by using in accordance with the product label directions. Do not dispose of this product down drains or sewers. Collect any unused product and dispose of in an approved landfill or according to local area regulations.

SAFETY DATA SHEET

Garden Time Acid Fertiliser



Page 2 of 5

08/05/19

Section 3: Composition Information

INGREDIENT	CONCENTRATION	CAS NUMBER
Ammonium nitrate	25 – 30 %	6484-52-2
Ammonium chloride	5 – 10 %	12125-02-9
Diammonium phosphate	5 – 10 %	7783-28-0
Iron sulphate	1 – 5 %	7720-78-7
Potassium chloride	5 – 10 %	7447-40-7
Superphosphate	5 – 10 %	8011-76-5
Balance of ingredients determined to be non-hazardous		

Section 4: First Aid Measures

First Aid Measures:	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
Inhalation:	If ill effects occur, remove patient to fresh air and keep at rest in position comfortable for breathing. Seek medical assistance.
Ingestion:	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.
Skin:	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.
Eye:	Immediately flush with gentle stream of water or until irritation is gone, holding eyelids open if necessary. Remove contact lenses if present and easy to do. Seek medical attention if eye irritation or infection occurs.
Advice to Doctor:	Treat symptomatically.

Section 5: Fire Fighting Measures

Combustion Products:	Sulphur oxides, magnesium oxide, carbon oxides. Phosphorus oxides. Ammonia. Nitrogen oxides, potassium oxides, hydrogen chloride.
Extinguishing Media:	Fine water spray.
Unsuitable Extinguishing Media:	Carbon Dioxide, extinguishing powder, foam.
Protective Equipment:	Use appropriate apparatus including breathing apparatus, goggles and protective gloves.
HAZCHEM Code:	None allocated.

Section 6: Accidental Release Measures

Spills and Disposal:	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.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental :	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

Handling:	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. Always wear gloves and wash hands immediately after use and particularly before eating, drinking or smoking.
Storage:	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. Garden Time Acid 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.
Other Information:	Avoid unintended release into the environment.
Approved Handler:	Not required
Tracking:	Not required
Record Keeping:	Not required

Section 8: Exposure Control/Personal Protection

Exposure Limits:	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: Inhalable Time Weighted Average (TWA): 10 mg/m ³ Respirable dust Time Weighted Average (TWA): 3 mg/m ³ Total Exposure Limit (TEL): Not assigned
Engineering Controls:	Use only in a well ventilated area. Avoid generation and inhalation of dust. Keep packaging closed when not in use.
Protective Equipment:	<p>Respiratory Protection: Ensure adequate ventilation at all times. Avoid breathing dust. If required where a suitable mask or particulate respirator according to AS/NZS 1715/1716.</p> <p>Skin Protection: 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.</p> <p>Eye Protection: 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.</p>

Section 9: Physical And Chemical Properties

Appearance:	Tan or brown, off white and pink granules
Odour:	No specific odour
Bulk Density:	1100 – 1200 kg/m ³
pH:	4.5 – 5.0
Solubility in Water:	Some solubility in water
Freezing Point:	No data available
Vapour Pressure:	No data available
Vapour Density:	No data available
Boiling Point:	No data available

Section 10: Stability And Reactivity

Stability:	Stable under normal conditions.
Conditions to Avoid:	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.
Incompatible Materials:	Heat and strong oxidisers, strong acids and strong bases. Also chloride salts, metal oxides, oxidisable substances, metallic powders.
Hazardous Decomposition Products:	Sulphur oxides, magnesium oxide, carbon oxides. Phosphorus oxides. Ammonia. Nitrogen oxides, potassium oxides, hydrogen chloride.

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.

Ingestion:	Ingesting large amounts of the product may cause nausea and vomiting and lead to abdominal discomfort and increased risk of gastrointestinal issues.
Skin:	Contact with skin may lead to skin irritation and in sensitive people may lead to dermatitis.
Inhalation:	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.
Eye:	An irritant. May cause redness or watering of the eye and lead to irritation or infection.
Toxicity data:	Calculated LD50 = 3200 mg/kg.

Section 12: Ecological Information

Ecotoxicity:	Contain the media and avoid unintended release into streams, groundwater and waterways.
Persistence:	Not known to be persistent
Degradability:	No data available
Mobility:	No data available
Bio-accumulation	Not known to be bioaccumulated
Other Adverse effects:	No data available

Section 13: Disposal Information

Product Disposal:	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.
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Section 14: Transport Information

Transport requirements:	Protect from extreme heat, moisture and strong acids or bases
Road and Rail Transport:	Not classified as a Dangerous Good under NZ5433:2012 Transport of Dangerous Goods on Land.
Air Transport:	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.
Marine Transport:	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.

SAFETY DATA SHEET

Garden Time Acid Fertiliser



Page 5 of 5

08/05/19

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