

### 1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

<b>Product Name:</b>	Rose Fertiliser
<b>Recommended Use:</b>	Rose fertiliser
<b>Company Name:</b>	Gardngro Ltd 76A Hunua Rd, Papakura, Auckland PO Box 72509, Papakura
<b>Telephone Numbers:</b>	0800 427 364 (09 296 1300)
<b>Emergency Telephone Numbers:</b>	0800 POISON (0800 764 766) National Poisons Centre 111 - Fire, Police or Ambulance

### 2. HAZARDS IDENTIFICATION

(HSNO) Hazardous Classifications:	6.1D (Oral and Dermal) 6.3 A 6.4 A (Mild Irritant) 9.1 D 9.3 C
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<b>Signal Word:</b>	Warning
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**Hazard Pictogram:**



<b>Hazard Statements:</b>	May be harmful if swallowed May be harmful in contact with skin Causes serious eye irritation Causes skin irritation
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<b>Prevention Statements:</b>	Keep out of reach of children Read label before use Read Safety Data Sheet before use Wear Protective gloves, eye and protection as required Wash hands and face thoroughly after handling
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<b>Response Statements:</b>	If medical advice is needed, have product container or label at hand IF SWALLOWED - Call a POISON CENTRE or doctor/physician if you feel unwell Do NOT induce vomiting IF SKIN IRRITATION OCCURS - get medical advice/attention. Remove contaminated clothing IF IN EYES - rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation continues persists, get medical advice/attention
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<b>Storage:</b>	None allocated
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<b>Disposal:</b>	Dispose of contents/packaging in accordance with local and regional regulations. Do not dispose of this product down drains or sewers.
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### 3. COMPOSITION INFORMATION ON INGREDIENTS

COMPONENT	CONCENTRATION	CAS NUMBER
Ammonium Sulphate	20 – 35%	7783-20-2
Potassium Chloride	10 – 30%	7447-40-7
Serpentine Super	30 – 60 %	8011-76-5
Triple Super	1 – 5%	65996-95-4
Other Trace Element additives	1 – 5%	

### 4: FIRST AID MEASURES

<b>First Aid Measures:</b>	For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766) or a Doctor/Physician immediately
<b>Inhalation:</b>	Remove patient to fresh air and keep at rest in position comfortable for breathing. Seek medical assistance
<b>Ingestion:</b>	If swallowed, seek medical advice Do NOT induce vomiting unless directed to do so by medical personnel
<b>Skin:</b>	If skin contact occurs, remove contaminated clothing and wash affected area with soap and water. If it causes any irritation seek medical advice
<b>Eye:</b>	Immediately flush with water continually with gentle flowing water for at least 15 minutes. if necessary. Remove contact lenses if present and easy to do. Seek medical advice if eye irritation persists
<b>Advice to Doctor/Physician:</b>	Treat symptomatically

### 5: FIRE FIGHTING MEASURES

<b>Combustion Products:</b>	Thermal decomposition if material is involved in a fire can lead to release of irritating gases and vapours
<b>Extinguishing Media:</b>	Use appropriate extinguishing media for the surrounding materials.
<b>Protective Equipment:</b>	Not combustible. Use appropriate apparatus including breathing apparatus goggles and suitable protective clothing

### 6: ACCIDENTAL RELEASE MEASURES

<b>Spills and Disposal:</b>	Protect yourself and others from injury. Wear appropriate protective equipment to avoid skin, eye contact and breathing in dust. Clean up spills into suitable containers 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 Precautions:</b>	Contain and prevent unintended release into waterways or sewers. If contamination

### 7. HANDLING AND STORAGE

<b>Handling:</b>	Read the packaging information and/or the safety data sheet prior to opening and using this product.  Avoid eye and skin contact. Avoid generating dust.  Always wear gloves and wash hands immediately after use.
<b>Storage:</b>	Store in a cool, dry, well-ventilated area. Ensure containers/ packages are adequately labelled or in their original packaging. Store away from children, animals and food
<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

### 8. EXPOSURE CONTROLS/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 Inhalable Time Weighted Average (TWA): 10 mg/m <sup>3</sup> Respirable dust Time Weighted Average (TWA): 3 mg/m <sup>3</sup> 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>	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. 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. 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

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White/off White, Grey and pink granules
<b>Odour:</b>	Slight ammonia odour
<b>Bulk Density:</b>	Not applicable
<b>pH:</b>	Not applicable
<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

### 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Product is stable under normal conditions of use
<b>Conditions to Avoid:</b>	Avoid contact with foodstuffs. Avoid inhalation of dust. Avoid excessive heat and sources of ignition
<b>Incompatible Materials</b>	Not applicable
<b>Hazardous Decomposition Products:</b>	Avoid excessive heat, decomposes emitting toxic fumes

### 11. TOXICOLOGICAL INFORMATION

	No adverse health effects should occur in the product if handled in accordance with this Safety data Sheet and the recommendations made on the packaging
<b>Eye:</b>	An irritant. May cause redness or watering of the eye and lead to irritation or infection
<b>Skin:</b>	Contact with skin may lead to skin irritation and in sensitive people may lead to dermatitis
<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>Inhalation:</b>	Inhalation of the product may irritate or aggravate pre-existing conditions such as hayfever or asthma. Inhalation may also lead to irritation or inflammation of the nose, throat or lungs
<b>Toxicity data:</b>	Calculated Acute oral toxicity LD50 (Rat): 3600 mg/kg
<b>Long term effects:</b>	No data available

### 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Contain the product and avoid unintended release into the environment. Harmful to aquatic life
<b>Degradability:</b>	Some
<b>Mobility:</b>	No data available
<b>Bio-accumulation:</b>	Not known to be bioaccumulated
<b>Other adverse effects:</b>	No data available

### 13. DISPOSAL INFORMATION

<b>Product Disposal:</b>	Dispose of this product in accordance with local, national and regional authorities Dispose of the empty packaging safely by placing with other domestic rubbish or recycle if possible
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### 14. TRANSPORT INFORMATION

<b>Road and Rail Transport:</b>	Not classified as a Dangerous Good under NZS 5433:2012 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 a Dangerous Good by the criteria of the International Maritime Dangerous Goods Code (IMDG) for Transport by Sea. Non Dangerous Goods

### 15. REGULATORY INFORMATION

<b>EPA NZ Approval Code:</b>	HSR002571 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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### 16. OTHER INFORMATION

#### Abbreviations in SDS

<b>CAS Number:</b>	Unique Chemical Abstracts Service Registry Number.
<b>HSNO:</b>	Hazardous Substances and New Organisms.(ACT and Regulations)
<b>EPA:</b>	The Environmental Protection Authority.
<b>LD50:</b>	Lethal Dose 50% - Dose which is fatal to 50% of a test population. (usually rats)
<b>WES:</b>	Workplace Exposure Standard.
<b>pH:</b>	A measurement of how acidic or alkaline a material is.

#### Document Control

<b>Document Number:</b>	SDS-GG-RF-0012
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<b>Version:</b>	SDS RF Version 4.
<b>Next Review Date:</b>	July 2023

#### Disclaimer:

This SDS summarises to the best of our knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle this material  
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