



SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name:	Palmers Rose Fertiliser.
Recommended Use:	Fertiliser for use in home gardens.
Company:	Tui Products Ltd
Address:	Truman Lane, Mount Maunganui New Zealand
Telephone Number:	+64 7 5752160
Emergency Telephone Numbers:	0800 CHEMCALL (0800 243 622) 24 hours 0800 POISON (0800 764 766) National Poisons Centre 111 – New Zealand Fire Service
Date of Preparation:	December 2015

2. HAZARDS IDENTIFICATION:

Dangerous Goods:	Not classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.
Hazardous Substance (HSNO):	Classified as hazardous according to criteria in the HS (Minimum Degree of Hazard) Regulations 2001.
HSNO Hazard Classifications:	6.1D, 6.3A, 6.4A, 9.1D, 9.3B.
Signal Word:	Warning



Hazard Statements:	Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause long lasting harmful effects to aquatic life. Toxic to terrestrial vertebrates.
Prevention Statements:	Keep out of reach of children. Read label before use. Read Safety Data Sheet before use. Wash hands, arms and face thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves. Wear eye/face protection.
Response Statements:	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. Rinse Mouth. 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. Collect Spillage

**3. COMPOSITION/INFORMATION ON INGREDIENTS:**

COMPONENT	CONCENTRATION	CAS NUMBER
Ammonium Sulphate	10 - 80%	7783-20-2
Potassium Chloride	1 - 30%	7447-40-7
Serpentine Superphosphate	10 - 80%	-
Limestone	1 - 30%	1317-65-3
Ferrous Sulphate Heptahydrate	1 - 30%	7782-63-0
Other Non-hazardous Products	1 - 30%	-

4. FIRST AID MEASURES:

For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor/physician.

Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing. Contact a doctor.
Ingestion:	If swallowed, seek immediate medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.
Eye Contact:	Immediately flush with cold water. Continue for at least 15 minutes. Remove contact lenses if present and easy to do so. Seek medical advice.
Skin Contact:	Wash the skin well with plenty of water and soap whilst removing contaminated clothing. Wash clothing before re-use. If irritation occurs seek medical advice.
Notes to Physician:	Treat symptomatically.

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media:	Not combustible, however, if material is involved in a fire use extinguishing media appropriate for surrounding fire.
Precautions for fire fighters and special protective clothing:	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing.
Hazards from combustion products:	Decomposes on heating emitting toxic fumes.

6. ACCIDENTAL RELEASE MEASURES:

Emergency Procedures:	Protect yourself and others from injury. Wear appropriate protective clothing to prevent skin and eye contact and breathing in dust. If contamination of sewers or waterways has occurred advise local emergency services.
Personal Precautions, Protective Equipment and Emergency Procedures:	Refer to SDS section 7 for handling and precautionary measures. Refer to SDS section 8 for additional information and personal protection equipment to prevent contamination of skin, eyes and personal clothing.
Environmental Precautions:	Contain – Prevent product from entering into soil, ditches, sewers, waterways and/or groundwater.
Methods and Materials for Containment and Clean up:	Contain the spill and prevent entry into waterways and drains. Avoid generating dust. Wear appropriate protective clothing to prevent skin and eye contact. Avoid breathing in dust. Contain spill and sweep or vacuum up, collect spilled product and place in properly labelled, sealable container for reuse or disposal. If contamination of sewers or waterways has occurred advise local emergency services.



7. HANDLING & STORAGE:

Precautions for safe handling and storage:

Handling:

Keep out of reach of children.
Avoid skin and eye and contact.
Wash hands, face and exposed skin thoroughly after handling.
Avoid generating dust, and do not breathe in dust.
Avoid unintended release to the environment.

Storage:

Store in a tightly closed original container in a cool, dry, well-ventilated area out of direct sunlight. Store away from children, animals, food, feedstuffs, drink containers, fertilisers and seeds. Keep containers closed when not in use and check regularly for leaks.

Palmers Rose Food Fertiliser is subject to the requirement for an emergency management plan, and signage whenever it is held in quantities of 1000 kg or more, either alone or in aggregate with other hazardous substances. See Hazardous Substances Emergency Management and Identification Regulations for further information.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Occupational Exposure Limits:

No value assigned for this specific material by EPA or NZ Dept. of Labour Health & Safety.
However, Workplace Exposure Standard(s) for particulates not otherwise classified:
Inhalable dust: WES-TWA 10 mg/m³
Respirable dust: WES-TWA 3 mg/m³

Engineering Controls:

Handle in a well-ventilated area; ensure ventilation is adequate to maintain air concentrations below exposure standards. If dust is generated use local extraction to control. Avoid inhalation of dust. Keep containers closed when not in use.

Personal Protective Equipment:

Avoid contact with eyes, skin and breathing in dust

Respiratory Protection:

Use with adequate ventilation, atmospheric levels should be maintained below the exposure guidelines.

Skin protection:

Using rubber gloves is recommended when handling.
Wash hands, face and exposed skin thoroughly after use and before smoking, eating, drinking or using the toilet.

Eye protection:

Avoid eye contact when handling. Safety glasses can be used to reduce eye contact.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

Appearance:	Solid white, pink and grey granules and powder.
Odour:	No specific odour.
pH:	Not available.
Solubility in water:	Partially soluble
Bulk Density (kg/m³):	Not available.
Flash point (°C):	Not applicable.
Specific Gravity:	Not applicable.
Melting Point (°C):	Not applicable.

10. STABILITY and REACTIVITY:

Chemical Stability:	Stable under normal conditions of use.
Conditions to avoid:	Avoid excessive heat, sources of ignition and open flame.
Incompatible materials:	None known.
Hazardous decomposition products:	Decomposes on heating emitting toxic fumes including nitrogen oxides, phosphorus oxides, ammonia and hydrogen chlorides.
Hazardous Reactions:	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION:

Potential Health Effects: This section includes possible adverse effects, which could occur if the product is not handled in the recommended manner.

Eye Contact:	An eye irritant. Causes serious eye irritation. Direct contact may result in lachrymation (tears), pain, redness and conjunctivitis.
Skin:	Irritant. Prolonged and repeated skin exposure may result in irritation, skin rash and dermatitis.
Ingestion:	Ingestion of large quantities may cause nausea, vomiting, thirst and headache.
Inhalation:	Irritant. Over exposure may cause mucous membrane irritation and coughing.
Toxicity Data:	No LD ₅₀ data available for the product.
Long Term Effects:	May cause damage to organs through prolonged or repeated exposure.



12. ECOLOGICAL INFORMATION:

Ecotoxicity: Avoid unintended release to the environment, sewers or waterways.
May cause long lasting harmful effects to aquatic life.
Toxic to terrestrial vertebrates.

13. DISPOSAL CONSIDERATIONS:

Disposal methods: 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.
Packaging disposal – Dispose of packaging safely with domestic rubbish or crush and bury packaging in a suitable approved landfill.
If wastes and/or packaging cannot be disposed of according to the product label directions, disposal of this material must be in accordance with your local area regulatory authorities following all applicable regional, national and local laws and regulations. Some local authorities offer hazardous waste collection, contact your local council for details.

14. TRANSPORT INFORMATION:

Not classified as a Dangerous Good for Transport.

Maximum volume permitted to be transported in a passenger service vehicle: 10 kg per bag.

15. REGULATORY INFORMATION:

EPA New Zealand Approval Code: HSR002571.

16. OTHER INFORMATION:

Date of preparation of SDS: December 2015.

Abbreviations in SDS:
EPA: The Environmental Protection Authority of New Zealand.
LD₅₀: Lethal Dose-50%. The doses of a chemical that will kill 50% of the test animals receiving it.
pH: A measurement of how acidic or alkaline a material is using a scale of 1 -14. pH 1 is strongly acidic, pH 14 is strongly alkaline.
WES: Work place exposure standard set by EPA or NZ Dept. of Labour Health & Safety.

DISCLAIMER:

This product must be used strictly as directed. To the maximum extent permitted by law Tui Products Limited, its officers, employees, agents, distributors and retailers shall have no liability to any purchaser or user of this product, or any other person, for any loss, damage or injury (including personal injury) arising out of the use or storage of this product otherwise than in accordance with the directions for use and storage.

----- End of SDS -----