



SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name:	Tui Organic General Fertiliser
Recommended Use:	Organic General Fertiliser for use in garden beds 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:	May 2017

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:	6.3B, 6.4A.



Signal Word:	Warning
Hazard Statements:	Causes mild skin irritation. Causes serious eye irritation.
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. Wear eye/face protection.
Response Statements:	If medical advice is needed, have product container or label at hand. If skin irritation occurs: get medical advice/attention. 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.

3. COMPOSITION/INFORMATION ON INGREDIENTS:

COMPONENT	CONCENTRATION	CAS NUMBER
Limestone	> 20%	1317-65-3
Silica, Crystalline (Quartz)	< 2%	14808-60-7
Potassium Sulphate	1 – 25%	7778-80-5
Magnesium Carbonate	1 – 25%	546-93-0



4. FIRST AID MEASURES:

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

Inhalation:	Remove the victim to fresh air and keep at rest in a position comfortable for breathing. Contact a doctor.
Ingestion:	If swallowed, seek medical advice. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Seek medical advice.
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 including metal oxides, phosphorus oxides, potassium oxides, sulphur oxides and carbon dioxide yielding a reactive, alkaline powder (Calcium Oxide) that reacts exothermally with water. Remain upwind and notify those downwind of hazard.

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 and animals. 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.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION:**

Occupational Exposure Limits:	No value assigned for this specific material by EPA or Worksafe NZ. However, Workplace Exposure Standard(s) for constituent: Calcium Carbonate: WES-TWA = 10 mg/m ³ Magnesite (CAS 546-93-0): WES-TWA = 10 mg/m ³ Silica-Crystalline (Quartz): Respirable dust: WES-TWA 0.2mg/m ³
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. If excessive dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Skin protection: Using impervious gloves, boots and overalls 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, wear safety glasses or tight-fitting goggles to avoid eye contact.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	White, cream, grey, brown and green solid granules and powder.
Odour:	No specific odour.
pH:	Not available.
Solubility in water:	Partially Soluble.
Flash point (°C):	Not applicable.
Specific Gravity:	Not available.
Melting Point (°C):	Not applicable.

10. STABILITY and REACTIVITY:

Chemical Stability:	Stable under normal conditions of use.
Conditions to avoid:	Avoid generating dust, moisture and exposure to heat.
Incompatible materials:	Sulphur, chlorites, chloride, chlorates, hypochlorites, acid or alkaline reacting substances, flammable oxidizable substances, nitrites, metallic salts, metallic powder, herbicide, chlorinated hydrocarbons, organic compounds.
Hazardous decomposition products:	Decomposes on heating emitting toxic fumes including metal oxides, phosphorus oxides, potassium oxides, sulphur oxides and carbon dioxide yielding a reactive, alkaline powder (Calcium Oxide) that reacts exothermally with water. Remain upwind and notify those downwind of hazard.
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: This product may cause physical eye irritation. Exposure to the dust may cause discomfort, pain or redness due to particulate nature of the product. Direct contact, prolonged or repeated exposure may result in lachrymation (tears), pain, redness and conjunctivitis

Skin: Prolonged or repeated skin exposure may result in irritation, skin rash and dermatitis.

Ingestion: Ingestion of can result in the generation of uncomfortable quantities of carbon dioxide gas in the stomach. Ingestion of large doses can result in nausea, vomiting, gastrointestinal irritation, diarrhoea, thirst, potassium toxicity.

Inhalation: Inhalation of dust may result in respiratory irritation, mucous membrane irritation and coughing

Toxicity Data: No LD₅₀ data available for the product.

Long Term Effects: No information available for the product.

12. ECOLOGICAL INFORMATION:

Ecotoxicity: Avoid unintended release to the environment, sewers or waterways.

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.

15. REGULATORY INFORMATION:

EPA New Zealand Approval Code: HSR002571.

16. OTHER INFORMATION:

Abbreviations in SDS:
EPA: The Environmental Protection Authority of New Zealand.
LD₅₀: Lethal Dose-50%. The dose 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.
TEL: Tolerable exposure limit set by EPA.
WES-TWA: Time weighted average work place exposure standard set by EPA or Worksafe New Zealand.

References: Workplace Exposure and Biological Exposure Indices, 9th Edition. November 2011. Worksafe New Zealand.

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.