



## **SAFETY DATA SHEET**

### **1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:**

<b>Product Name:</b>	Tui Lawn Force – Rapid Green Lawn Fertiliser
<b>Recommended Use:</b>	Slow Release Lawn Fertiliser for use in the home garden.
<b>Company:</b>	Tui Products
<b>Address:</b>	Truman Lane, Mount Maunganui New Zealand
<b>Telephone Number:</b>	+64 7 5752160
<b>Emergency Telephone Numbers:</b>	0800 CHEMCALL (0800 243 622) 24 hours 0800 POISON (0800 764 766) National Poisons Centre 111 – New Zealand Fire Service
<b>Date of Preparation:</b>	January 2020

### **2. HAZARDS IDENTIFICATION:**

<b>Dangerous Goods:</b>	Not classified as a Dangerous Good according to NZS 5433:2012 Transport of Dangerous Goods on Land.
<b>Hazardous Substance (HSNO):</b>	Classified as hazardous according to criteria in the HS (Minimum Degree of Hazard) Regulations 2001.
<b>HSNO Hazard Classifications:</b>	6.3B, 6.4A, 9.3C.
<b>Signal Word:</b>	Warning
<b>Hazard Statements:</b>	Causes mild skin irritation Causes eye irritation Harmful to terrestrial vertebrates.
<b>Prevention Statements:</b>	Keep out of reach of children Read label before use Read Safety Data Sheet before use Wash hands, arms, face and exposed skin thoroughly after handling. Wear protective gloves.
<b>Response Statements:</b>	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:**

<b>COMPONENT</b>	<b>CONCENTRATION</b>	<b>CAS NUMBER</b>
Urea	40 – 50%	57-13-6
Potassium Sulphate	15 – 25%	7778-80-5
Limestone	10 – 20%	1317-65-3
Inorganic Iron Mix	5 – 15%	-
Diammonium Phosphate	1 - 10%	7783-28-0
Other non-hazardous ingredients	Balance up to 100%	



#### 4. FIRST AID MEASURES:

For advice, in case of poisoning, or if you feel unwell or are exposed or concerned, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor/physician.

**Inhalation:** Move person to fresh air. If person is not breathing call 111 or an ambulance, and then give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask etc.). Call the National Poisons Centre or doctor for advice. If breathing is difficult oxygen should be administered by qualified personnel.

**Ingestion:** If swallowed, immediately call the National Poisons Centre or a doctor. Do not induce vomiting unless told to do so by the National Poisons Centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

**Eye Contact:** Rinse cautiously with water for up to 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation occurs get medical advice/attention.

**Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing and shoes while washing. If skin irritation or rash occurs get medical advice/attention. Wash contaminated clothing before reuse. Discard items which cannot be decontaminated.

**Notes to Physician:** Treat symptomatically.

**Workplace facilities:** Emergency showers and eyewashes should be available in the immediate vicinity of any potential exposure.

Do not breathe dust, spray mist or vapours. Avoid skin and eye contact. Do not eat, drink or smoke while using. When mixing or applying wear appropriate protective clothing including impervious gloves, chemical resistant boots, eye protection (goggles with side pieces or a face shield) and cotton overalls buttoned to the neck and wrist.

Remove protective clothing and wash hands, arms and face thoroughly with soap and water before meals and after work.

#### 5. FIRE FIGHTING MEASURES:

**Suitable Extinguishing Media:** No special media specified, 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 full protective clothing.

**Hazards from combustion products:** Decomposition products may be toxic. Sulphur will burn when separated from molten Urea.

#### 6. ACCIDENTAL RELEASE MEASURES:

**Emergency Procedures:** Protect yourself and others from injury. Wear appropriate protective clothing to prevent skin and eye contact. Avoid breathing in dust. If contamination of sewers or waterways has occurred advise local emergency services.

**Personal Precautions, Protective Equipment and Emergency Procedures:** Keep unnecessary personnel away from site. Wear appropriate protective equipment and clothing during clean up. 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. Stop the flow of material if this can be done without risk.

**Environmental Precautions:** Contain – Prevent product or discharge from entering into soil, ditches, drains, sewers, waterways and/or groundwater.

**Methods and Materials for Containment and Clean up:** Avoid generating dust. Wear appropriate protective clothing to prevent skin and eye contact. Avoid breathing in dust. Contain the spill and prevent entry into soil, ditches, drains, sewers, waterways and/or groundwater.  
**Large spills** – wet down with water and contain for later disposal. Collect dust using a vacuum cleaner equipped with a HEPA filter. Avoid the distribution of dusts during clean up. Shovel the material into suitable waste container. Following product recovery, flush area with water. If contamination of sewers or waterways has occurred advise local emergency services.  
**Small spills** – contain and collect product then dispose according to local regulations.



## 7. HANDLING & STORAGE:

### Precautions for safe handling and storage:

**Handling:**

Keep out of reach of children.

Do not eat, drink or smoke while using.

Use only outdoors in a well-ventilated area.

Avoid skin and eye contact. Avoid generating dust, and do not breathe in dust. Avoid [prolonged exposure.

Remove protective clothing and wash hands, arms, face and exposed skin thoroughly with soap and water after handling and before smoking, eating, drinking or using the toilet.

Clean up spilled material and wash clothing, equipment and work area after use.

**Storage:**

Store in a tightly closed original container in a cool, dry, well-ventilated area out of direct sunlight and away from moisture. Keep containers closed when not in use and check regularly for leaks.

Store away from children, animals, food, feedstuffs, drink containers, seeds, heat, sparks, flames and hot surfaces. Do not store above 48°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

**Occupational Exposure Limits:**

No value assigned for this specific material by EPA or WorkSafe NZ.

However, occupational exposure to nuisance dust (total and respirable) should be controlled. Over exposure should be avoided at all cost.

Workplace Exposure Standard(s) for particulates not otherwise classified:

Inhalable dust: WES-TWA 10 mg/m<sup>3</sup>

Respirable dust: WES-TWA 3 mg/m<sup>3</sup>

As published in Workplace Exposure Standards and Biological Exposure Indices – January 2018, 9<sup>th</sup> edition.

**Engineering Controls:**

Handle in a well-ventilated area and avoid inhalation of dust.; ensure ventilation is adequate to maintain air concentrations below exposure standards. If dust is generated local exhaust ventilation is recommended. 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 engineering controls are not adequate in controlling dust an approved respirator should be used. Reference should be made to the WorkSafe NZ guidelines.

Australian/New Zealand standards, AS/NZS 1716 Respiratory Protective Devices and NS/NSS 1715 Selection, Use and Maintenance of Respiratory Protective Devices.

**Skin protection:**

Using long sleeves and 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. Wear goggles with side pieces or a face shield.

**General Hygiene:**

Do not eat, drink or smoke while using. Wash exposed skin thoroughly with soap and water after use. Wash protective clothing daily after work.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Appearance:**

Multi-coloured granules.

**Odour:**

Slight Ammonia/Sulphur odour.

**pH:**

Not available.

**Boiling Point (°C):**

Not applicable.

**Solubility in water:**

Partially soluble

**Vapour Pressure:**

Not applicable.

**Flash point (°C):**

Not flammable.

**Specific Density:**

Not applicable.

**Melting Point (°C):**

Not available.

**10. STABILITY and REACTIVITY:**

<b>Chemical Stability:</b>	Stable under normal conditions of storage and use. May release ammonia on standing.
<b>Conditions to avoid:</b>	Avoid excessive heat (over 93.33°C).
<b>Incompatible materials:</b>	Strong oxidisers, hypochlorites, acids, caustics.
<b>Hazardous decomposition products:</b>	Thermal decomposition may result in the release of toxic and/or irritating oxides such as CO <sub>x</sub> , NH <sub>3</sub> , PO <sub>x</sub> , SO <sub>x</sub> , cyanuric acid, NO <sub>x</sub> , HCN.
<b>Hazardous Reactions:</b>	Hazardous polymerisation is not possible.

**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.

<b>Eye Contact:</b>	May be irritating to the eyes, causing redness and watering. Prolonged eye exposure may cause conjunctivitis and corneal damage.
<b>Skin:</b>	Skin irritation may result. Prolonged and repeated skin exposure may result in irritation, skin rash and dermatitis. Skin sensitisation may be possible.
<b>Ingestion:</b>	Ingestion may result in sore throat, abdominal pain, nausea and diarrhoea.
<b>Inhalation:</b>	May cause irritation to the nose, throat and respiratory tract. May cause a sore throat, coughing and/or shortness of breath.
<b>Carcinogenicity:</b>	Not considered to be a carcinogenic hazard.

**12. ECOLOGICAL INFORMATION:**

<b>Ecotoxicity:</b>	This product is not known to be ecotoxic, persistent or to have the potential to bio accumulate. Avoid unintended release to the environment and prevent product or discharge from entering into soil, ditches, drains, sewers, waterways and/or groundwater.
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**13. DISPOSAL CONSIDERATIONS:**

<b>Disposal methods:</b>	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.
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**14. TRANSPORT INFORMATION:**

Not classified as a Dangerous Good for Transport.

**15. REGULATORY INFORMATION:**

<b>EPA New Zealand Approval Code:</b>	HSR002571.
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**16. OTHER INFORMATION:**

<b>Abbreviations in SDS:</b>	<b>EPA:</b> The Environmental Protection Authority of New Zealand. <b>pH:</b> 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. <b>WES:</b> Work place exposure standard set by EPA or NZ Dept. of Labour Health & Safety. <b>WES-TWA:</b> Time weighted average work place exposure standard set by EPA or WorkSafe NZ.
<b>References:</b>	Workplace Exposure and Biological Exposure Indices, 9th Edition. January 2018, WorkSafe NZ.

**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.