



Tui Products Ltd.

Document Name:

SAFETY DATA SHEET – TUI LAWN FORCE MAX GREEN LIQUID LAWN FERTILISER

Date of issue:

July 2018

Version No:

1

Page Number:

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SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name: Tui Lawn Force Max Green Liquid Lawn Fertiliser

Recommended Use: Liquid lawn fertiliser for use on lawns 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: July 2018

2. HAZARDS IDENTIFICATION:

Dangerous Goods: 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, 6.5B, 9.3C.

Signal Word: Warning



Hazard Statements: Causes mild skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.
Harmful 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.
Wear protective gloves.
Wear eye/face protection.
Avoid breathing mist, vapours or spray.
Contaminated work clothing should not be allowed out of the workplace.

Response Statements: If medical advice is needed, have product container or label at hand.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: get medical advice/attention. Specific treatment and measures (see First Aid Measures on this safety data sheet). Wash contaminated clothing 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.



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3. COMPOSITION/INFORMATION ON INGREDIENTS:

COMPONENT	CONCENTRATION	CAS NUMBER
Urea	30 - 60%	57-13-6
Other non-hazardous ingredients	20 - 40%	Various
Water	Remainder up to 100%	7732-18-5

4. FIRST AID MEASURES:

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

Inhalation:	Remove victim from exposure and into fresh air. First aid is not generally required however if in doubt, concerned or if any effects arise, contact the National Poisons Centre (0800 764 766) or a doctor/physician.
Ingestion:	If product is swallowed or gets in mouth, do NOT induce vomiting; rinse mouth and then drink plenty of water. Seek medical advice if effects persist.
Eye Contact:	Rinse opened eye for several minutes under running water. Remove contact lenses before flushing eye if applicable. Seek medical advice if effects persist.
Skin Contact:	Remove any contaminated clothing and wash skin thoroughly with soap and water. If skin irritation or rash occurs: get medical advice/attention.
Medical Attention:	Treat symptomatically.

5. FIRE FIGHTING MEASURES:

Flammability Conditions:	Product is stable under normal conditions.
Suitable Extinguishing Media:	Water jet, carbon dioxide or extinguishing powder.
Precautions for fire fighters and special protective clothing:	Fire Fighters to wear self-contained breathing apparatus and suitable protective clothing. Fire decomposition products from this product are likely to be irritating if inhaled.
Hazards from combustion products:	Product stable under normal conditions. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases.

6. ACCIDENTAL RELEASE MEASURES:

Emergency Procedures:	Protect yourself and others from injury. Product is slippery when spilt. Personnel involved in the clean-up should wear protective clothing to prevent skin and eye contact and inhalation. Stop leak if safe to do so. Do NOT let product reach drains or waterways.
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:	Product is slippery when spilt. Contain the spill and prevent entry into waterways and drains. Transfer to a suitable, labelled waste container for disposal as hazardous waste.



7. HANDLING & STORAGE:

Precautions for safe handling and storage:

Handling:	Keep out of reach of children and animals. Wear protective clothing. Avoid skin and eye contact. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.
Storage:	Keep out of reach of children and animals. Store in a cool, dry well-ventilated place out of direct sunlight. Store away from incompatible materials including: acids, oxidising agents and sources of ignition. Keep containers closed when not in use. Inspect regularly for damage or leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Occupational Exposure Limits:	No WES value is assigned for this specific material by EPA or Worksafe NZ at this time.
Ventilation/Engineering Controls:	No special ventilation requirements are normally necessary for this product. Use with local exhaust ventilation or while wearing protective clothing. Keep containers closed when not in use.
Personal Protective Equipment:	Avoid contact with eyes, skin and do not breathe in mist, vapours or spray. Respiratory Protection: A respirator is not normally required with this product, if in doubt wear an approved particulate respirator. Skin protection: Wear protective, synthetic gloves. Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Eye protection: Avoid eye contact when handling. Wear chemical safety glasses with side shields. Clothing: Wear standard approved work uniform/clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Dark, clear liquid.
Odour:	Mild odour.
pH (1% aqueous solution):	4.5 – 6.5.
Solubility in water:	100% soluble
Specific Gravity (kg/l):	1.23.
Flash Point (°C):	Not applicable – does not burn.
Ignition Temperatures (°C):	Not applicable – does not burn.
Volatile Organic Compounds (VOC) content:	Not available.
Viscosity:	Not available.
Potential for dust explosion:	Not applicable.
Decomposition Temperature (°C):	Not available.



10. STABILITY and REACTIVITY:

Chemical Stability:	Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Conditions to avoid:	Avoid excessive heat and temperatures below 5°C. Keep containers tightly closed.
Incompatible materials:	None known.
Hazardous decomposition products:	This product is likely to decompose only after heating to dryness, followed by further strong heating. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. May form nitrogen and its compounds, and under some circumstances, oxides of nitrogen.

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:	Causes serious eye irritation.
Skin:	Causes mild skin irritation.
Ingestion:	No adverse effects expected, however if large amounts are consumed nausea and vomiting may occur.
Inhalation:	No data for health effects associated with short or long-term inhalation.
Toxicity Data:	No LD ₅₀ data available for the product.

12. ECOLOGICAL INFORMATION:

Ecotoxicity: This product is biodegradable. It will not accumulate in the soil or water. Not expected to be an environmental hazard. Do NOT allow unintended release to the environment, sewers, drains or waterways.

13. DISPOSAL CONSIDERATIONS:

Disposal methods: Dispose of this product by using in accordance with the product label directions or at an approved landfill.
Packaging disposal – Dispose of empty container by wrapping in paper, placing in a plastic bag and dispose of in an approved landfill.
If wastes and/or packaging cannot be disposed of safely with domestic rubbish. 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 according to NZS 5433:2012 Transport of Dangerous Goods on Land.

15. REGULATORY INFORMATION:

EPA New Zealand Approval Code: HSR002571.



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16. OTHER INFORMATION:

Date of preparation of SDS: July 2018.

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 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.

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