



Tui Products Ltd.

Document Name:

SAFETY DATA SHEET – TUI NOVATEC PREMIUM

Date of issue:

October 2025

Version No:

6

Page Number:

1 of 6

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER:

Product Name: Tui Novatec Premium

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: October 2025

2. HAZARDS IDENTIFICATION:

EPA GHS 7 Hazard Classifications: Eye Irritation category 2
Reproductive toxicity Category 2
Hazardous to the aquatic environment chronic Category 4

Signal Word: Warning.

Hazard Statements: Causes serious eye irritation
Suspected of damaging fertility or the unborn child.
May cause long lasting harmful effects to aquatic life.

Pictogram:



Precautionary Statements: Keep out of reach of children and animals.
Read product label and safety data sheet carefully before use and follow all instructions.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves, clothing, mask, eye and face protection.
Wash hands, face, arms and exposed skin thoroughly after handling.
Avoid unintentional release to the environment.
Store locked up.

Response Statements: If medical advice is needed, have product container or label at hand.
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.
IF exposed or concerned: Get medical advice/ attention.

Dangerous Goods Classifications: Not classified as Dangerous Goods by the criteria of the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION/INFORMATION ON INGREDIENTS:

COMPONENT	CONCENTRATION	CAS NUMBER
Ammonium Nitrate	≥10% - <45%	6484-52-2
Disodium Tetraborate Pentahydrate	≤0.2%	12179-04-3



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 and seek medical advice.
Ingestion:	If swallowed, seek medical advice. Do NOT induce vomiting unless directed to do so by medical personnel.
Eye Contact:	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get 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:	Water. Not suitable: Foam, Dry chemical, Carbon dioxide (CO ₂) and Sand. Non-combustible substance with oxidizing ingredient.
Precautions for fire fighters and special protective clothing:	Fire fighters to wear self-contained breathing apparatus and suitable protective clothing.
Hazards from combustion products:	At temperatures above 130 °C, dangerous decomposition gases can be emitted: Nitrogen monoxide, nitrogen dioxide, dinitrogen oxide, ammonia

6. ACCIDENTAL RELEASE MEASURES:

Emergency Procedures:	Protect yourself and others from injury. Wear appropriate protective clothing. 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.
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. Wear appropriate protective clothing. Avoid generating or breathing in dust. Contain spill and use mechanical handling equipment for clean-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.
Read label before use.
Do not handle until all safety instructions have been read and understood.
Wash hands, face and exposed skin thoroughly after handling.
Avoid unintended release to the environment.
Wear appropriate protective clothing.
Use personal protective equipment as required.

Storage:

Store locked up.
Do not store together with oxidising and self-igniting products.
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, other fertilisers, seeds or any other contamination.
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.

Engineering Controls:

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

Personal Protective Equipment:**Respiratory Protection:**

Breathing apparatus only if aerosol or dust is formed. Respirator with a particle filter (EN 143) - P1 filter.

Skin protection:

Use gloves 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 tight fitting goggles with side shields. Avoid wearing contact lenses.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:

Light purple granules.

Odour:

Very faint.

pH:

ca. 5, Concentration: 100 g/l (20 °C)

Solubilities:

Soluble

Bulk Density (kg/m³):

ca. 1.150 kg/m³

Flash point (°C):

Not available.

Boiling point (°C):

Not available.

Melting Point (°C):

Not available.

Freezing Point (°C):

Not available.

Flammability:

The product is not flammable.

Upper & Lower Explosive Limits:

Not available.

Auto-ignition Temperature:

Not available.

Decomposition Temperature (°C):

> 130 °C To
avoid thermal decomposition, do not overheat.



10. STABILITY and REACTIVITY:

Stability of Substance:	This product is stable under normal conditions.
Conditions to avoid:	Protect from frost, heat and sunlight. Avoid moisture.
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:	Nitrogen oxides (NO _x) and ammonia. Evolution of ammonia under influence of alkalies.

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 severe irritation to eyes.
Dermal:	Not applicable.
Skin:	Not applicable.
Swallowed:	May be harmful if swallowed. Product= LD50 (Rat) = >2000mg/kg.
Inhalation:	Not applicable.
Carcinogenicity:	Not applicable.
Reproductive Toxicity:	Suspected of damaging fertility or the unborn child.
Germ Cell Mutagenicity:	Not applicable.
Aspiration:	Not applicable.
STOT/SE:	Not applicable.
STOT/RE:	Not applicable.

Information for Components:

Ammonium Nitrate:	Acute oral toxicity: LD50 (Rat): > 2.950 mg/kg Method: OECD Test Guideline 401 Acute inhalation toxicity: > 88,8 mg/l Method: No information available Acute dermal toxicity: LD50 (Rat): > 5.000 mg/kg Method: OECD Test Guideline 402
Disodium Tetraborate Pentahydrate:	Acute oral toxicity: LD50 (Rat): 3.200 - 3.400 mg/kg Method: No information available Acute inhalation toxicity: LC50 (Rat): > 2,0 mg/l Method: OECD Test Guideline 403 Acute dermal toxicity: LD50 (Rabbit): > 2.000 mg/kg Method: No information available



12. ECOLOGICAL INFORMATION:

Ecotoxicity:

Avoid unintended release to the environment.
Do not allow product to enter sewers or waterways.

Information for Components:**Ammonium Nitrate:****Toxicity to fish:**

LC₅₀ (Fish): > 100 mg

Toxicity to daphnia and other aquatic invertebrates:

EC₅₀ (Daphnia (water flea)): 490 mg/l aquatic invertebrates Exposure time: 48 h

Toxicity to algae:

EC₅₀ (Selenastrum capricornutum (green algae)): 1.700 mg/l Exposure time: 10 d

**Disodium Tetraborate
Pentahydrate:****Toxicity to fish:**

LC₅₀ (Fish): 74 mg/l Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates:

EC₅₀ (Daphnia magna (Water flea)): 242 mg/l Exposure time: 24 h

Toxicity to algae:

EC₁₀ (Scenedesmus subspicatus): 24 mg/l Exposure time: 96 h

Persistence and degradability: No data available

Bioaccumulation: Bioaccumulation is unlikely.

Mobility in Soil: Groundwater contamination is unlikely.

Other adverse effects: No data available

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.



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6 of 6

16. OTHER INFORMATION:

Date of preparation of SDS: October 2025.

Abbreviations in SDS:

EC₅₀: Median effective concentration.

EEL: Environmental Exposure Limit.

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.

LD₅₀: Lethal dose to kill 50% of test animals/organisms.

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.

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 -----