



GREENWAY
PROFESSIONAL PRODUCTS

Product Name: GPP Turf Gold 22-1-4

Revision: 1

Issue Date: July 2026

Review Date: July 2031

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Section 1 - Identification of the Material and Supplier

Greenway Turf Solutions Pty Ltd.
3/2 Ant Rd
Yatala, Qld 4207

Phone: 07 3382 7187 (office hours)
0488 006 570 (any time after hours)

Chemical Nature: Granular mixture of inorganic fertiliser ingredients.
Trade Name: **GPP Turf Gold 22-1-4**
Recommended Use: Professional granular fertiliser for turf management.
Issue Date: **July 2026**
Review Date: **July 2031**

This Safety Data Sheet will be reviewed at least every 5 years or sooner if new information becomes available.

Poisons Information Centre: Phone 13 11 26 from anywhere in Australia

Section 2 - Hazards Identification

Classification Under Australian WHS Legislation:

Serious Eye Irritation, Category 2A

Specific Target Organ Toxicity – Single Exposure, Category 3

Dangerous Goods Classification:

Not classified as a Dangerous Good according to the Australian Dangerous Goods Code for transport by road and rail.

Not regulated as dangerous goods under the IATA Dangerous Goods Regulations for air transport.

Not regulated as dangerous goods under the IMDG Code for sea transport.

Poisons Schedule: Not scheduled under the current Poisons Standard.

UN Number: Not applicable.

GHS Signal Word: Warning.

HAZARD STATEMENTS

H319 Causes serious eye irritation, Category 2A.

H335 May cause respiratory irritation.



PREVENTION

P261 Avoid breathing dust.

P264 Wash hands and exposed skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE

P301+P312 IF SWALLOWED: Call a POISONS INFORMATION CENTRE or doctor if you feel unwell.

P330 Rinse mouth.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISONS INFORMATION CENTRE or doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

STORAGE

P402 Store in a dry place.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

DISPOSAL

P501 Dispose of contents/container in accordance with applicable local, state, territory and national regulations.

OTHER HAZARDS

Dust generated during handling may cause mechanical irritation to the eyes, skin and respiratory tract.

Product may become slippery when wet.

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Greenway Turf Solutions Pty Ltd.

Phone: 07 3382 7187 (office hours)

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)



Emergency Overview

Physical Description & Colour: Dark grey and yellow granules.

Odour: Mild odour.

Major Health Hazards: Causes serious eye irritation. May cause respiratory irritation.

Section 3 - Composition/Information on Ingredients

Ingredient	CAS No	Conc, %	TWA (mg/m ³)	STEL (mg/m ³)
Ammonium sulphate	7783-20-2	*	Not established	Not established
Mono ammonium phosphate	7722-76-1	*	Not established	Not established
Urea	57-13-6	*	Not established	Not established
Potassium chloride (MoP)	7447-40-7	*	Not established	Not established
Sulphur	7704-34-6	*	Not established	Not established
Iron oxysulphate	1310-45-8	*	Not established	Not established
Manganese oxyluphate	No data	*	Not established	Not established
Polyurethane coating and wax	No data	*	Not established	Not established

Present in proportions to provide 22% nitrogen (N), 1% phosphorus (P), 4% potassium (K), 13% sulfur (S), 3.3% iron (Fe) and 0.1% manganese (Mn).

The exact proportions of ingredients may vary within the concentration ranges shown without affecting the hazard classification of the product.

The exact composition and concentrations of non-hazardous ingredients have been withheld as commercially confidential.

This product is a mixture.

Minor quantities of other non-hazardous ingredients may also be present.

TWA means the time-weighted average airborne concentration of a substance calculated over an eight-hour working day and a five-day working week. **STEL** means the short-term exposure limit, being the airborne concentration of a substance averaged over a 15-minute period. A STEL should not be exceeded at any time during a normal working day. Where no exposure standard is listed, "Not established" means that no specific Australian workplace exposure standard has been identified for that ingredient. General controls for nuisance dust may still apply.

Section 4 - First Aid Measures

General Information:

If poisoning, exposure or irritation occurs, contact a doctor or the Poisons Information Centre on 13 11 26 from anywhere in Australia. If medical advice is required, have the product container, label or this Safety Data Sheet available.

Inhalation: Remove the affected person from the contaminated area to fresh air. Keep at rest in a position comfortable for breathing. Seek medical advice if symptoms develop or persist.

Skin Contact: Remove contaminated clothing and footwear. Brush away excess dry material and wash affected skin thoroughly with soap and water. Seek medical advice if irritation develops or persists. Wash contaminated clothing before reuse.

Eye Contact: Immediately flush eyes with clean, gently flowing water for at least 15 minutes, holding the eyelids open. Remove contact lenses if present and easy to do. Continue rinsing. Seek immediate medical advice if irritation develops or persists.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed by a medical professional. Give water to drink if the affected person is conscious. Never give anything by mouth to an unconscious person. Contact the Poisons Information Centre or a doctor if symptoms develop or if a significant quantity has been swallowed.

Symptoms Caused by Exposure: No significant symptoms are expected under normal conditions of use. Dust may cause temporary mechanical irritation of the eyes, skin and respiratory tract. Ingestion may cause gastrointestinal discomfort, nausea, vomiting or diarrhoea.

Medical Attention and Special Treatment: Treat symptomatically. No specific antidote is known.

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Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. The product is not expected to present a significant fire or explosion hazard under normal conditions of use and storage.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Suitable Extinguishing Media: Product is not combustible. Use extinguishing media appropriate to the surrounding fire. Use water spray, foam, dry chemical powder or carbon dioxide, as appropriate to the surrounding materials.

Unsuitable Extinguishing Media: No specific restrictions identified.

Specific Hazards Arising from the Chemical: The product is not expected to present a significant fire or explosion hazard under normal conditions of use and storage. Heating or involvement in a fire may cause decomposition and the release of irritating, corrosive or toxic gases, depending on the product composition.

Hazardous Combustion or Decomposition Products: Carbon monoxide. Carbon dioxide. Oxides of nitrogen. Oxides of sulphur. Oxides of phosphorus. Ammonia. Other irritating or toxic fumes.

Special Protective Equipment and Precautions for Firefighters: Firefighters should wear full protective clothing and self-contained breathing apparatus where there is a risk of exposure to smoke, fumes or decomposition products. If safe to do so, remove containers from the fire area. Cool exposed containers with water spray. Prevent contaminated firefighting water from entering drains, waterways or soil.

Hazchem Code: Not applicable.

Section 6 - Accidental Release Measures

Accidental Release: In the event of a spill, prevent the product from entering drains, sewers, waterways or groundwater. Avoid contact with the eyes and skin and avoid generating or breathing dust. As a minimum, wear suitable protective clothing, gloves and safety glasses or goggles. Where significant airborne dust may be generated, use a suitable particulate respirator as described in Section 8.

Stop the release if safe to do so and contain the spilled material. Sweep, shovel or vacuum recoverable product into suitable labelled containers for reuse, recycling or disposal. Avoid dry sweeping where this may generate excessive airborne dust. After the product has been recovered, clean the affected area while preventing wash water or runoff from entering drains or waterways.

If a significant quantity enters drains, waterways or the environment, notify the appropriate emergency services or regulatory authority where required. Dispose of recovered product, contaminated material and waste in accordance with Section 13. Thoroughly clean contaminated equipment and wash protective clothing before reuse.

Section 7 - Handling and Storage

Handling: Read the product label and this Safety Data Sheet before use. Avoid contact with the eyes and skin and avoid breathing dust. Minimise the generation and accumulation of airborne dust and use the product in a well-ventilated area. Wear appropriate personal protective equipment as described in Section 8. Do not eat, drink or smoke while handling the product. Wash hands and exposed skin thoroughly after handling and before eating, drinking, smoking or using toilet facilities. Keep containers closed when not in use and avoid contact or contamination with incompatible materials listed in Section 10.

Storage: Store in the original, correctly labelled container in a cool, dry and well-ventilated area. Keep containers tightly closed and protect the product from moisture, water and physical damage. Keep away from food, drink and animal feed and out of reach of children. Store away from incompatible materials listed in Section 10. Check the product label and packaging for any additional product-specific storage requirements.

Section 8 - Exposure Controls and Personal Protection

Workplace Exposure Standards: No specific Australian workplace exposure standard has been established for this product.

Where airborne particulates are generated, general particulate or dust exposure limits may apply. Check the current workplace exposure standards applicable in the relevant jurisdiction.

Biological Limit Values: No biological limit values have been identified.

Engineering Controls: Use in a well-ventilated area. Minimise the generation and accumulation of airborne dust. Provide local exhaust ventilation where dust, mist, spray or vapour may be generated. Maintain airborne concentrations below applicable workplace exposure standards.

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Personal Protective Equipment:

Eye and Face Protection: Safety glasses with side shields are recommended during normal handling. Use chemical goggles or a face shield where there is a risk of significant dust generation, splashing or direct eye exposure.

Skin Protection: Wear suitable protective gloves where prolonged or repeated contact may occur. Suitable materials may include PVC, nitrile rubber or another material shown to be resistant to the product. Wear protective work clothing appropriate to the task.

Respiratory Protection: Respiratory protection is not normally required where adequate ventilation is provided and airborne dust is controlled. Where airborne dust concentrations may exceed applicable exposure standards, use a properly fitted particulate respirator selected and used in accordance with AS/NZS 1715 and AS/NZS 1716.

Thermal Hazards: No specific thermal hazard is expected under normal conditions of use.

Hygiene Measures: Wash hands and exposed skin after handling and before eating, drinking, smoking or using toilet facilities. Do not take contaminated clothing home unless it has been suitably contained for laundering.

Emergency Facilities: Provide access to clean running water or suitable eyewash facilities where the product is handled in commercial quantities. Safety showers should be available where significant exposure is reasonably foreseeable.

Relevant Australian Standards: Respiratory protection: **AS/NZS 1715** and **AS/NZS 1716**. Eye and face protection: **AS/NZS 1336** and **AS/NZS 1337** series. Protective gloves: **AS/NZS 2161** series. Protective clothing: **AS/NZS 4501** series. Occupational footwear: **AS/NZS 2210** series.

Section 9 - Physical and Chemical Properties:

Physical State:	Solid (Granular).
Appearance and Colour:	Dark grey and yellow granules.
Odour:	Mild odour.
Odour Threshold:	No data available.
Initial Boiling Point and Boiling Range:	Not applicable.
Freezing/Melting Point:	No data available.
Flammability:	Not flammable.
Lower and Upper Explosion or Flammability Limits:	Not applicable.
Flash Point:	Not applicable.
Auto-Ignition Temperature:	Not applicable.
Decomposition Temperature:	No data available.
pH:	No data available.
Kinematic Viscosity:	Not applicable.
Solubility:	40-67g/100mL at 25°C.
Partition Coefficient:	No data available.
Vapour Pressure:	Not applicable.
Relative Vapour Density:	Not applicable.
Specific Gravity:	0.95.
Bulk Density:	No data available.
Volatile Content:	No data available.
Explosive Properties:	Not explosive.
Oxidising Properties:	Not classified as an oxidising solid.
Evaporation Rate:	Not applicable.

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Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if there are concerns regarding storage conditions or shelf life, contact the supplier for advice.

Chemical Stability: Stable under recommended conditions of storage and handling. For information regarding product shelf life, storage duration or product quality, contact the supplier or refer to the product technical information.

Possibility of Hazardous Reactions: Hazardous polymerisation is not expected to occur.

Conditions to Avoid: Excessive moisture or direct contact with water. Excessive heat. Direct sunlight. Dust generation. Contamination with incompatible materials.

Incompatible Materials: No known incompatible materials under normal conditions of use.

Hazardous Decomposition Products: Hazardous decomposition products are not expected under normal conditions of storage and use. Heating or fire may produce: Carbon monoxide and carbon dioxide. Oxides of nitrogen. Oxides of sulphur. Oxides of phosphorus. Ammonia. Potassium compounds. Iron compounds. Manganese compounds. Other irritating, corrosive or toxic fumes.

Section 11 - Toxicological Information

Information on Likely Routes of Exposure:

Exposure may occur by inhalation of airborne dust, eye contact, skin contact or ingestion.

Acute Toxicity: Based on available information, the product is not classified as acutely toxic.

Relevant Ingredient Data:

Ammonium sulphate LD50 Oral: 640-4250mg/kg. Dermal: 2000mg/kg. Monoammonium phosphate LD50 Oral: >2000mg/kg. Dermal >5000mg/kg. Potassium chloride LD50 Oral: 1500-2600mg/kg. Urea LD50 Oral: 14,300mg/kg.

Skin Corrosion/Irritation:

Based on available information, the product is not classified as corrosive or irritating to skin.

Prolonged or repeated contact may cause temporary mechanical irritation or dryness.

Serious Eye Damage/Irritation:

Based on available information, the product is **not classified as causing serious eye damage**. The product is **classified as causing serious eye irritation (Category 2A)**. Dust or direct contact with the product may cause watering, redness, discomfort and temporary irritation. Prompt rinsing with water is recommended following eye exposure.

Respiratory or Skin Sensitisation:

Dust generated during handling may cause irritation of the nose, throat and respiratory tract. Inhalation of high concentrations of dust may cause coughing, throat discomfort and temporary respiratory irritation. Persons with pre-existing respiratory conditions may be more susceptible to the effects of dust exposure. Based on available information, the product is classified as **Specific Target Organ Toxicity – Single Exposure (Category 3) (Respiratory tract irritation)**.

Germ Cell Mutagenicity:

Based on available information, the product is not classified as mutagenic.

Carcinogenicity:

Based on available information, the product is not classified as carcinogenic.

No significant ingredient is classified as carcinogenic by Safe Work Australia.

No significant ingredient is classified as carcinogenic by the International Agency for Research on Cancer.

Reproductive Toxicity:

Based on available information, the product is not classified as toxic to reproduction.

Specific Target Organ Toxicity – Single Exposure:

May cause temporary respiratory tract irritation following inhalation of dust. This classification is based on transient irritation of the upper respiratory tract and is not indicative of systemic toxicity.

Specific Target Organ Toxicity – Repeated Exposure:

Based on available information, the product is not classified for specific target organ toxicity following repeated exposure.

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Aspiration Hazard:

Not applicable to a solid product.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics:

Inhalation:

Dust may cause coughing, sneezing, throat irritation or temporary breathing discomfort.

Skin Contact:

Prolonged or repeated contact may cause redness, dryness or temporary irritation.

Eye Contact:

Dust or particles may cause watering, redness, discomfort or temporary mechanical irritation.

Ingestion:

Ingestion may cause irritation of the mouth and gastrointestinal tract, nausea, vomiting, abdominal discomfort or diarrhoea.

Delayed and Immediate Effects:

No significant delayed effects are expected based on available information.

Target Organs: No specific target organs have been identified based on available information.

Interactive Effects:

No information available.

Other Information:

No product-specific toxicological testing has been conducted unless otherwise stated.

Section 12 - Ecological Information

Ecotoxicity:

The product is not classified as hazardous to the aquatic environment under the Australian GHS. Large releases may contribute nutrients to waterways and promote algal growth or eutrophication. Avoid uncontrolled release into drains, waterways and the environment.

Relevant Ecotoxicity Data:

Not data available.

Persistence and Degradability:

The fertiliser nutrients contained within this product will naturally participate in environmental nutrient cycles. Persistence of individual components will depend on environmental conditions. No specific persistence or degradability data are available for the product as a whole.

Bioaccumulative Potential:

No product-specific data are available.

Significant bioaccumulation is not expected for the principal inorganic components.

Mobility in Soil:

Product is expected to disperse into soil. Nutrient components may migrate through soil profiles or dissolve in water depending on soil type, rainfall and irrigation.

Other Adverse Effects:

Excessive application or accidental release may contribute to nutrient enrichment of surface waters, potentially resulting in eutrophication or undesirable algal growth. Prevent product from entering waterways, drains and stormwater systems.

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Section 13 - Disposal Considerations

Disposal Methods: Dispose of unwanted product through an appropriately authorised waste facility and in accordance with applicable local, state, territory and Commonwealth requirements. Where practical, recover uncontaminated product for reuse in accordance with the product label. Do not dispose of large quantities to drains, sewers or waterways. Do not mix with incompatible materials or other wastes unless the compatibility and disposal method have been assessed.

Contaminated Packaging: Empty containers as completely as practical. Where permitted, recycle clean containers through an appropriate recycling program. Containers that cannot be reused or recycled should be disposed of through an appropriately authorised waste facility. Do not reuse containers for food, drinking water or animal feed.

Special Precautions: The disposal classification and method may vary depending on the product composition, quantity, contamination and applicable local requirements.

Section 14 - Transport Information

Road and Rail Transport – ADG Code:

UN Number:

Not applicable.

UN Proper Shipping Name:

Not applicable.

Transport Hazard Class:

Not applicable.

Subsidiary Risk:

Not applicable.

Packing Group:

Not applicable.

Hazchem Code:

Not applicable.

Environmental Hazards:

Not classified as environmentally hazardous for transport.

Special Precautions for User:

No special transport precautions identified.

ADG Classification:

Not regulated as a Dangerous Good under the Australian Dangerous Goods Code.

Air Transport – IATA:

Not regulated as dangerous goods for air transport.

Sea Transport – IMDG:

Not regulated as dangerous goods for sea transport.

Transport in Bulk According to IMO Instruments:

Not applicable – product is not intended to be transported in bulk under IMO instruments.

Section 15 - Regulatory Information

Australian Inventory of Industrial Chemicals:

All applicable industrial chemical ingredients are listed on, or otherwise compliant with, the Australian Inventory of Industrial Chemicals requirements.

Poisons Standard:

Not scheduled under the current Poisons Standard.

APVMA Product Number:

Exempt or otherwise outside registration requirements.

Work Health and Safety Classification:

Classified as Hazardous according to the Model Work Health and Safety Regulations.

- Serious Eye Irritation – Category 2A
- Specific Target Organ Toxicity – Single Exposure (Respiratory tract irritation) – Category 3

Dangerous Goods Classification:

Not regulated as a Dangerous Good under the Australian Dangerous Goods Code.

Other Regulatory Information:

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No data available.

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Document Control:

Product Name: GPP Turf Gold 22-1-4
SDS Version: 1
Issue Date: July 2026
Review Date: July 2031
Supersedes: Turf Gold 22-1-4 SDS [2021]

Reason for Revision: Safety Data Sheet.

Updated to current Australian GHS requirements.

Updated regulatory information.

General formatting and terminology review.

Key Abbreviations:

ADG Code – Australian Code for the Transport of Dangerous Goods by Road and Rail.

AICIS – Australian Industrial Chemicals Introduction Scheme.

AIIC – Australian Inventory of Industrial Chemicals.

APVMA – Australian Pesticides and Veterinary Medicines Authority.

CAS Number – Chemical Abstracts Service Registry Number.

GHS – Globally Harmonised System of Classification and Labelling of Chemicals.

IARC – International Agency for Research on Cancer.

IATA – International Air Transport Association.

IMDG Code – International Maritime Dangerous Goods Code.

IMSBC Code – International Maritime Solid Bulk Cargoes Code.

LC50 – Median lethal concentration.

LD50 – Median lethal dose.

NOEC – No observed effect concentration.

PPE – Personal protective equipment.

SDS – Safety Data Sheet.

STEL – Short-term exposure limit.

SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons, commonly referred to as the Poisons Standard.

SWA – Safe Work Australia.

TWA – Time-weighted average.

UN Number – United Nations number assigned to dangerous goods.

WHS – Work health and safety.

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References: Safe Work Australia, Model Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals.

Safe Work Australia, current classification guidance implementing GHS 7 in Australia.

Safe Work Australia, current Workplace Exposure Standards for Airborne Contaminants.

Australian Dangerous Goods Code, current edition.

Current Australian Poisons Standard.

Australian Inventory of Industrial Chemicals.

Supplier or manufacturer safety data and technical information.

Relevant ingredient hazard and toxicological data.

Preparation Information: This Safety Data Sheet has been prepared in accordance with the applicable requirements of Australian work health and safety legislation and the Globally Harmonised System of Classification and Labelling of Chemicals, as implemented in Australia. The information in this Safety Data Sheet is based on information available to Greenway Turf Solutions Pty Ltd at the date of issue.

Disclaimer: This Safety Data Sheet summarises the health, safety and environmental information available for the product and provides guidance on its safe handling, use, storage, transport and disposal. Each user must assess the product in the context of the conditions under which it will be handled and used in the workplace. If clarification or further information is required to complete an appropriate risk assessment, contact Greenway Turf Solutions Pty Ltd. To the extent permitted by law, Greenway Turf Solutions Pty Ltd makes no warranty regarding the completeness or accuracy of information obtained from third-party sources and accepts no liability for loss or damage arising from use of the product other than in accordance with the product label, this Safety Data Sheet and applicable law. Always read the product label and technical information before use.

Please read all product labels carefully before use.

This Safety Data Sheet has been prepared in accordance with the Safe Work Australia Model Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals, July 2020.

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Greenway Turf Solutions Pty Ltd.

Phone: 07 3382 7187 (office hours)

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)