

SAFETY DATA SHEET

Last updated: 14 June 2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Champion Lawn & Greens fertiliser
Other Names:	Plant Doctor Champion Lawn & Greens grade fertiliser
Product Type:	Granular soil fertiliser
Chemical family:	Natural mineral ore
Recommended Use:	Soil fertiliser – see label
Restrictions on use:	None known
HS Code:	None known for blended product

Manufacturer:	Plant Doctor Rx Pty Ltd T/A Agtech Natural Resources 8/19 Expo Ct, Ashmore, QLD, 4214, Australia Ph: 1300 385 842 (Monday to Friday: 8.00am – 4.00pm) admin@agtechglobal.com.au	
Emergency Phone:	Poisons Information Centre	13 11 26
	EPA for large scale spills	1300 372 842

2. HAZARDS IDENTIFICATION

GHS Classification: Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition).

GHS Label Elements:

Warning!



Statement of Hazard	Precautionary Statements
P301+330+331 IF SWALLOWED: Rinse mouth. Do not induce vomiting. P301+312 IF SWALLOWED: Call Poisons Information if feeling unwell P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when handling. P280 Wear protective gloves, eye protection, and face protection. P337 + P313 If eye irritation persists: Get medical attention. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P332 + P313 If skin irritation occurs: Get medical attention. P362 Take off contaminated clothing and wash before reuse. H315 Causes skin irritation. H319 Causes serious eye irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Carbon coated urea Potassium humate	57-13-6 CO(NH ₂) ₂ 68514-28-3 C ₉ H ₈ K ₂ O ₄	36.5%
Mineral Te Palagonite Calcium carbonate Magnesium carbonate	- 471-31.1 CaCo ₃ 546-93-0 MgCo ₃	3%
Potassium Sulphate	778-80-5 K ₂ S ₀₄	Proprietary
Soft Rock Phosphate	1306-05-4 Ca ₅ HO ₁₃ P ₃	Proprietary
Zeolite	1318-02-1 M ₂ /nOAl ₂ O ₃ .xSiO ₂ .yH ₂ O	Proprietary
Ferrous Sulphate Monohydrate	17375-41-6 FeS ₀₄ .H ₂ O	Proprietary

4. FIRST AID MEASURES

Eye: Immediately flush eyes with plenty of water for 15 minutes while holding the eyelids apart. Remove contact lenses, if present and easy to do. Get medical attention if irritation persists.

Skin: Wash skin with soap and water. Get medical attention if irritation occurs and persists. Launder clothing before re-use.

Ingestion: Do not induce vomiting unless directed to do so by a medical professional. Rinse mouth with water and give one glass of water to drink. Get medical attention if symptoms develop.

Inhalation: Remove victim to fresh air. Get medical attention if symptoms occur and persist.

Most important Symptoms: May cause moderate eye and skin irritation. Inhalation of dusts may cause mucous membrane and respiratory irritation.

Indication of immediate medical attention/special treatment: Immediate medical attention should not be required. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Non-flammable

Specific Hazards arising from the chemical: None known.

Special Protective Equipment and Precautions for Fire-Fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

Explosion Data (sensitivity to mechanical impact or static discharge): Non- flammable. No fire or explosion hazards exist.

6. ACCIDENTAL RELEASE MEASURES

Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses by containing as much product as possible. Sweep up and shovel or collect recovered product into labelled containers for recycling or salvage, and dispose of promptly. Flush with copious amounts of water if entered into drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill.

Personal Precautions, Protective Equipment, and Emergency Procedures: Avoid contact with the eyes. Avoid prolonged skin contact. Wear appropriate protective clothing.

Methods and Materials for Containment and Cleaning Up: Contain and collect free particles where possible. Prevent spill from entering sewers and water courses. Report releases as required by local, state and federal authorities.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Carefully read the product label. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing dust. Keep containers closed when not in use.

Ensure all containers are labeled. Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

Conditions for Safe Storage, Including Any Incompatibilities: When stored in confined area, this product can give off an ammonia or odour and lead to the depletion of oxygen within this space and other confined spaces. Do not allow to come into contact with Water. If product is bagged, these bags should be stored undercover and away from direct sunlight

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines: No Australian Exposure Standard available

Engineering Controls: Protect from dust inhalation. Always maintain adequate ventilation. In most circumstances natural ventilation systems are adequate. Where large volumes of dust are generated in an enclosed area a local exhaust ventilation system may be needed.

Respiratory Protection: Use P2 type canister respirator where high concentrations of airborne dust is present. Provision of eye wash facilities and safety shower recommended.

Skin Protection: Wear gloves or gauntlets and long sleeves when using this product to protect against skin irritation. Wash hands before eating, drinking, smoking or going to toilet.

Eye Protection: Chemical safety glasses with side shields or goggles should be worn where splashing is possible.

Other: Impervious coveralls, apron and boots as needed to avoid contact. Suitable washing facilities should be available in the work area. Launder protective clothing before re-use.

Exposure limits have not been set by SWA for any ingredients in product. The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5-day working week. There is a blanket limit of 10mg/m3 for dusts or mists when limits have not otherwise been established. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, 31st March 2012

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odour: white, grey, brown and black granules 1-2mm length.	
Physical State: dry	Odour Threshold: No data
Vapor Density:	Vapor Pressure: Negligible at normal ambient temperatures
Solubility: environmental degradability	pH:
Relative Density: approx.. 1000kg per m2	Evaporation Rate: No data
Melting/Freezing Point: N/A	Boiling Point/Range: No data
VOC Content:	Octanol/Water Coefficient: No data
Specific Gravity:	Decomposition Temperature:
Viscosity:	Flammability (solid, gas):
Flashpoint:	Autoignition Temperature: Not applicable - does not burn.
Flammable Limits: LEL/UEL: Not applicable	Volatility: No specific data..
	NPK: 16-1-9

10. STABILITY AND REACTIVITY

Reactivity: Caustics and strong acids will affect the quality and condition of the product. Avoid heat, sparks, open flames and other ignition sources

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known

Conditions to Avoid: Caustics and strong acids will affect the quality and condition of the product. Avoid heat, sparks, open flames and other ignition sources.

Incompatible Materials: as above

Hazardous Decomposition Products: None known

Hazardous polymerization: None known

11. TOXICOLOGICAL INFORMATION

This product is generally considered to be low toxicity. Use safe work practices. This product may only present a hazard with eye contact, prolonged and repeated skin contact or with dust inhalation at high levels. This product contains up to 3% fluoride (F) as an impurity. Chronic ingestion, eg Improper or inadvertent use as a dietary phosphorous supplement for ruminants (cattle and sheep), may result in fluorosis **Chronic:** There is no data to hand indicating any particular target organs.

Sensitization: This material is not known to cause sensitization.

Carcinogenicity: None of the components present are listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, or OSHA.

Germ Cell Mutagenicity: No data currently available.

Reproductive Toxicity: No data available

Numerical Measures of Toxicity: no data available

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways. Fertilisers, particularly those containing nitrogen and /or phosphorous, can stimulate weak algal growth in static surface waters. Nitrogen fertilisers may contain or form nitrate which can contaminate surface or ground water. High nitrate concentrations may render the water unsuitable for human and livestock consumption.

Ecotoxicity: Avoid contamination of waterways.

Persistence and Degradability: biodegradable

Bioaccumulative Potential: Not data available.

Mobility in Soil: Not data available.

Other Adverse Effects: None known.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local and national environmental regulations. Suitable for landfill.

14. TRANSPORT INFORMATION

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code); nor by air according to the IACO (IATA Regulations), or by sea according to the IMO (IMDG Code).DOT Hazardous Materials Description: Not regulated

IMDG Shipping Description: Not regulated

IATA Shipping Description: Not regulated

UN Number: Not Dangerous Goods

15. REGULATORY INFORMATION

Not a Hazardous Chemical to the Australian GHS Criteria.

Not Dangerous Goods.

Poisons schedule: Assumed under S5.

AICIS - Aust. Inventory of Industrial Chemicals: All ingredients are on the AIC.

APVMA Approval No: Not required.

Hazard Category for Section 311/312: Refer to Section 2 for OSHA Hazard Classification.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Section 302 Extremely Hazardous Substances (TPQ): None

16. OTHER INFORMATION

Revision Summary:

13/06/2023: v2

07/01/2022: V1

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Agtech shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.