

# SAFETY DATA SHEET

## Product Name: TURF PLUS N with GROW SAFE® Microbial Coating

A proprietary blend of naturally occurring ingredients which have been blended into natural mineral granular compounds using natural binders in a heat-setting process; then combined with nitrogenous and phosphatic compounds. This product contains 60+ trace elements plus the Grow Safe® Microbial Coating.

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name	AUSTRALIAN MINERAL FERTILISERS PTY LTD (AMF)
ABN	82 137 379 438
Address	Lot 4, Albany Highway, Tenterden WA 6322
Telephone	(08) 9851 7222
Fax	(08) 9851 7293
Email	administration@growsafe.com.au
Web site	www.growsafe.com.au
Synonym(s)	Turf Plus N GS - PRODUCT CODE – LTGS 16/ALL
Use(s)	FERTILISER
SDS date	27.02.2023

### 2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA.

Risk Phrases None allocated

Safety Phrases None allocated

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN Number None allocated Transport Hazard Class None allocated

Packing Group None allocated Hazchem Code None allocated

### 3. COMPOSITION INFORMATION ON INGREDIENTS

Ingredient	Identification	Classification	Content % by weight
AMF Compound Prill – Non Hazardous Ingredients	Various		30-36%
Sulphate of Potash (S.O.P)	CAS 7778-80-5 EC 834/2007		8 - 15%
Sulphate of Ammonia (S.O.A)	CAS 7783-20-2 EC 231-984-1		42-52%
“Grow Safe” – Beneficial soil microorganisms (probiotics)			< 1%

### 4. FIRST AID MEASURES

Eye	If in eyes, hold eyelids apart and flush continuously with running water. If symptomatic contact the Poison Information Centre or a doctor.
Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Skin	If skin or hair contact occurs, flush skin with running water. If symptomatic contact Poisons Information Centre, a doctor.
Ingestion	If symptomatic for advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once).
Advice to doctor	Treat symptomatically.
First aid facilities	Eye wash facilities recommended.

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### 5. FIRE FIGHTING MEASURES

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Flammability	Non flammable
Fire and explosion	No fire or explosion hazard exists
Extinguishing	Use an extinguishing agent suitable for the surrounding fire
Hazchem code	None Allocated

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### 6. ACCIDENTAL RELEASE MEASURES

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**Personal precautions** Wear Personal Protective Equipment (PPE) as detailed in Section 8

**Environmental precautions** No data available

**Methods of cleaning up** For minor spills, clean up and dispose of product responsibly.

**References**

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### 7. STORAGE AND HANDLING

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**Storage** Store in a cool, dry ventilated area

**Handling**

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Exposure Standards** No exposure standard(s) allocated.

**Biological limits** No biological limit allocated

**Engineering controls** Avoid inhalation. Use in well ventilated areas

**PPE**

<b>Eye/Face</b>	Not required under normal conditions of use
<b>Hands</b>	Not required under normal conditions of use
<b>Body</b>	Not required under normal conditions of use
<b>Respiratory</b>	To avoid dust irritation use of dust suppression mask advised.



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### 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	PRILLED GRANULES - GREYISH/BROWN/WHITE
<b>Odour</b>	SLIGHT ODOUR
<b>Flammability</b>	NOT APPLICABLE (NOT FLAMMABLE)
<b>Flash point</b>	NOT RELEVANT
<b>Boiling point</b>	NOT APPLICABLE, DECOMPOSES
<b>Melting point</b>	NOT APPLICABLE, DECOMPOSES
<b>Evaporation rate</b>	
<b>pH</b>	
<b>Vapour density</b>	NOT AVAILABLE
<b>Specific gravity</b>	1.600 – 1.750
<b>Solubility (water)</b>	20 – 30% BY WEIGHT
<b>Vapour pressure</b>	NOT AVAILABLE
<b>Upper explosion limit</b>	NOT RELEVANT

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Lower explosion limit	NOT RELEVANT
Partition coefficient	NOT AVAILABLE
Autoignition temperature	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE
Viscosity	NOT AVAILABLE
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
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## 10. STABILITY AND REACTIVITY

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Chemical stability	Stable under recommended conditions of storage
Conditions to avoid	No data available
Materials to avoid	No data available
Hazardous Decomposition Products	No data available
Hazardous Reactions	No data available

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## 11. TOXICOLOGICAL INFORMATION

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Health Hazard Summary	May be harmful – irritant.
Eye	Dust may irritate eyes (R36)
Inhalation (GHS H335)	Avoid inhalation. Use in well ventilated areas. Inhalation of dust may cause slight respiratory irritation
Skin	Prolonged or repeated skin contact may cause drying, cracking or slight irritation (AUH066)
Ingestion	None available
Toxicity data	None available

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## 12. ECOLOGICAL INFORMATION

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This product is not anticipated to cause any adverse effects to plants or animals.

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### 13. DISPOSAL CONSIDERATIONS

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**Waste disposal** Product decomposes (bio-mineral), if required dispose of in accordance with all local, state and federal environmental regulations.

**Legislation** NOT AVAILABLE

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### 14. TRANSPORT INFORMATION

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NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG/IMO)	AIR TRANSPORT (IATA/ICAO)
<b>UN Number</b>	None Allocated	None Allocated	None Allocated
<b>Proper Shipping Name</b>	None Allocated	None Allocated	None Allocated
<b>Transport Hazard Class</b>	None Allocated	None Allocated	None Allocated
<b>Packing Group</b>	None Allocated	None Allocated	None Allocated

**Environmental hazards** No information provided

**Special precautions for user**

**Hazchem code** None Allocated

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### 15. REGULATORY INFORMATION

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**Poison schedule** A poison schedule number has not been assigned to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Inventory Listing(s)** AUSTRALIA: AICS (Australian Inventory of Chemical Substances)  
All components are listed on AICS, or are exempt.

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### 16. OTHER INFORMATION

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**Additional Information**

**EXPOSURE STANDARDS – TIME WEIGHTED AVERAGES:** Exposure standards are established on the premise of an 8 hour Work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increases the exposure period and shorten the period of recuperation).

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:** The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:** It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

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<b>Abbreviations</b>	CAS	Chemical Abstract Service number – used to uniquely identify chemical compounds
	EC	EC No – European Community Number
	ppm	Parts per Million
	REACH	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
	STEL	Short-Term Exposure Limit
	STOR-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	SWA	Safe Work Australia
	TWA	Time Weighted Average

### Revision History

Revision	Description
2.2	Standard SDS Review
2.1	Standard SDS Review
2.0	Standard SDS Review
1.0	Initial SDS Creation

### Report status

This document has been compiled by AMF and serves as AMF's Safety Data Sheet ('SDS').

It is based on all relevant information concerning the product provided by AMF, importer(s) or supplier(s) or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from AMF.

**Revision: 2.2**

**SDS Date: 25<sup>th</sup> October 2023**

**End of SDS**