

Product Name: GROW SAFE® Spreadable Microbes + Trace Elements

**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) PRODUCT CODE – AMFSSMTE/SMTE30  
 Other Names Ag Spreadable Soil Microbes, Commercial Spreadable Soil Microbes  
 Use(s) Soil probiotic with trace nutrients to promote plant growth.  
 SDS date 25<sup>th</sup> October 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
Rock Mineral Granule – Non Hazardous Ingredients	Various	Trace Elements	95 - 99%
Naturally occurring beneficial soil microorganisms (probiotics)	NA	Bacteria & Fungi	13.5 million CFU/g

**Ingredients:** Specific combination of naturally occurring soil micro-organisms (bacteria & fungi). Includes but not limited to various *single or multiple* strains of Azotobacter, Bacillus, Pseudomonas, Trichoderma, and Vesicular Arbuscular Mycorrhizae (Endophytic) along with 65 Trace minerals.

**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.

**Skin** If skin or hair contact occurs, flush skin with running water. If symptomatic contact Poisons Information Centre, a doctor.

**Ingestion** No effect if ingested in small amounts. Product considered nontoxic by 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.

## 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	Nil required
Methods of cleaning up	Product can be used as per instructions
References	Nil available

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## 7. STORAGE AND HANDLING

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Storage	Store in a cool, dry ventilated area. Do not freeze.
Handling	Avoid skin & eye contact.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Exposure Standards	No exposure standard(s) allocated. Microorganisms are all class 1 and non-pathogenic but may cause infection when in contact with open wounds. The microorganisms are susceptible to commonly used antibiotics.
Biological limits	No biological limit allocated
Engineering controls	Avoid inhalation. Use in well ventilated areas

### PPE

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



## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	BROWN PRILLED GRANULE
Odour	EARTHY ORGANIC ODOUR
Flammability	NOT APPLICABLE (NOT FLAMMABLE)
Flash point	NOT RELEVANT
Boiling point	NOT APPLICABLE, DECOMPOSES
Melting point	NOT APPLICABLE, DECOMPOSES
Evaporation rate	NOT APPLICABLE
pH	7 – 8 IN WATER
Vapour density	NOT AVAILABLE
Specific gravity	DATA NOT AVAILABLE
Solubility (water)	PARTIAL
Vapour pressure	NOT AVAILABLE
Upper explosion limit	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
% Volatiles	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	Not available
Materials to avoid	Not available
Hazardous Decomposition Products	Not available
Hazardous Reactions	Not available

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### 11. TOXICOLOGICAL INFORMATION

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Health Hazard Summary	May be harmful – irritant.
Eye	Powder may irritate eyes (R36)
Inhalation	Inhalation of dust may cause slight respiratory irritation (GHS H335)
Skin	Prolonged or repeated skin contact may cause drying, cracking or slight irritation (AUH066)
Ingestion	As with section 4
Toxicity data	Nil data available

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### 12. ECOLOGICAL INFORMATION

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Toxicity	No information provided
Persistence & degradability	No information provided
Bioaccumulative potential	No information provided
Mobility in soil	No information provided.
Other adverse effects	Nil adverse effects.

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### 13. DISPOSAL CONSIDERATIONS

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**Waste disposal** Product decomposes (probiotic), 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 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.

## Product Name: GROW SAFE® Spreadable Microbes + Trace Elements

### Abbreviations

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
2.1	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: 2.1**

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

**End of SDS**