



Section 1 - Identification of Chemical Product and Company

Amgrow Pty Ltd
PO Box 6390
Silverwater NSW 1811

Phone: (02) 9395 1200(Business hours)
Fax: (02) 9395 1241

Trade Name: Amgrow Organix Gypsum
Product Use: Garden Soil Conditioner
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Section 2 - Hazards Identification

Statement of Hazardous Nature

NOT CLASSIFIED AS HAZARDOUS TO HEALTH ACCORDING TO THE CRITERIA OF SWA

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

Risk Phrases: Not Hazardous according to criteria of SWA

Safety Phrases: Not Hazardous according to criteria SWA

SUSMP Classification: Not scheduled

ADG Classification: None allocated. Not a Dangerous Good.

UN Number: None allocated

Emergency Overview

Physical Description & colour: Grey-brown crystalline solid.

Odour: No odour

Major Health Hazards: No significant risk factors have been found for this product.

Potential Health Effects

Ingestion: Data suggests that this product should present no significant problems to typical persons if used as intended. Ingestion of large amounts may cause gastrointestinal disorder.

Eye Contact: Data suggests that this product should present no significant problems to typical persons if used as intended.

Skin: Data suggests that this product should present no significant problems to typical persons if used as intended.

Inhalation: Classed as a nuisance dust. Inhalation causes little adverse effects on the lungs and does not produce any toxic effects elsewhere in the body. High airborne concentrations of dust may cause coughing and some temporary irritation.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP

IARC: No significant ingredient is classified as carcinogenic by IARC

Section 3 - Composition/Information on Ingredients

<u>Ingredients</u>	<u>CAS No</u>	<u>Conc.%</u>
Calcium Sulphate dihydrate	10101-41-4	>85 *

*commercially pure

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

Section 4 - First Aid Measures

General Information: You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

MATERIAL SAFETY DATA SHEET

Inhalation: No first aid measures normally required. However, if vapours or dusts have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.

Skin Contact: If product gets on skin, wash contacted areas. No further measures should normally be required.

Eye Contact: Irrigate with copious amounts of lukewarm, gently flowing water until the product is removed. Obtain medical advice if irritation occurs and becomes painful or lasts more than a few minutes.

Ingestion: Rinse out mouth with plenty of water. No further measures should be necessary

Notes to Doctor: Treat symptomatically. Note the nature of this product.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Fire decomposition products from this product may form asphyxiating mixtures in confined spaces.

Extinguishing Media: Not Combustible. Use extinguishing media suited to burning materials, - water, water spray, dry powder, foam, and carbon dioxide.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Auto ignition temperature: Not applicable - does not burn.

Flammability Class: Does not burn.

Fire Decomposition: Carbon dioxide, calcium oxide

Section 6 - Accidental Release Measures

Accidental release: Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or watercourses. As a minimum wear overalls, goggles and gloves. Stop leak if safe to do so and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage. After spills, wash area, preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. Dispose of only in accord with all regulations. This material may be suitable for approved landfill.

Section 7 - Handling and Storage

Handling: Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Store in a cool, dry place away from children and animals or foodstuffs. Containers should be kept closed in order to minimise contamination. Keep away from extreme heat and open flames, and make sure that the product does not come into contact with substances listed under "Materials to avoid" in Section 10.

Section 8 - Exposure Controls and Personal Protection

Exposure Limits **TWA (mg/mP3P)** **STEL (mg/mP3P)** **ADI (mg/Kg/day)** **NOEL (mg/Kg/day)**

Exposure limits have not been set for any ingredient in product. 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 exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. A TWA has not been established by Worksafe Australia for any of the major ingredients in this product. There is a blanket limit of 10mg/m³ for dusts or mists when limits have not otherwise been established. The nature of this product makes it unlikely that this level will be approached in normal use. ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, March 2012

MATERIAL SAFETY DATA SHEET

Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: Avoid high dust concentration and provide local exhaust ventilation if necessary.

Eye Protection: Protective eyewear is not normally necessary when using this product. However, it is always prudent to use protective eyewear.

Skin Protection: Protective gloves are not normally necessary when using this product. However it is always prudent to wear gloves.

Respirator: It is usually safe to not use a dust mask or respirator protection on account of this product. However, in high dust concentrations use a particulate respirator.

Provision of eye wash facilities and safety shower recommended.

Wash hands before eating, drinking, smoking or going to toilet, launder protective clothing before re-use.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Grey–brown crystalline solid
Odour:	No odour
Melting Point:	No data – solid at room temperature
Volatiles:	N/A
Boiling point and vapour pressure:	Decomposes before boiling at 100 kPa
Vapour Pressure:	N/A.
Vapour Density:	No data.
Bulk Density:	2.32
Water Solubility:	Insoluble
Volatile materials:	No specific data. Expected to be low at 100°C.
Odour Threshold:	No data.
Flash Point	Does not burn
Auto ignition temp:	N/A - does not burn.
Corrosiveness:	Not corrosive

Section 10 - Stability and Reactivity

Reactivity: This product is stable under normal temperatures and pressures, when stored and handled in accordance with this MSDS

Conditions to Avoid: Heat, flames, ignition sources and incompatibles

Incompatibilities: Acids, oxidising agents

Polymerisation: This product is unlikely to spontaneously polymerise

Fire Decomposition: Fire decomposition products from this product may form asphyxiating mixtures in confined spaces. Carbon dioxide, calcium and oxide

Section 11 - Toxicological Information

Animal Toxicological Data:

LD₅₀: 4300 mg/kg [Rat].

Section 12 - Ecological Information

Ecotoxicity Avoid contaminating waterways.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Section 13 - Disposal Considerations

Disposal: Full details regarding disposal of used containers, spillage and unused material may be found on the label. If there is any conflict between this MSDS and the label, instructions on the label prevail. This material may be suitable for approved landfill. Dispose of only in accord with all regulations.

Section 14 - Transport Information

ADG Code: This product is not classified as a Dangerous Good for transport by road or rail

IMDG/IATA: This product is not classified as a Dangerous Good for transport by sea or air

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are to be found in the public AICS Database.

Section 16 - Other Information

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

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
ASCC	Australian Safety & Compensation Council
CAS number	Chemical Abstracts Service Registry Number
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
IARC	International Agency for Research on Cancer
IATA	International Air Transport Authority
IMDG	International Maritime Dangerous Good
NOHSC	National Occupational Health and Safety Commission
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
SWA	Safe Work Australia (formerly ASCC and NOHSC)
UN Number	United Nations Number

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

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