



Section 1 - Identification of Chemical Product and Company

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Trade Name: Amgrow Organix Gypsum
Product Use: Garden Soil Conditioner
Creation Date: October 2002
Revision Date: July 2008

Section 2 - Hazards Identification

Statement of Hazardous Nature: This product is not classified as hazardous to health according to the criteria of ASCC Australia.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

Risk Phrases: Not Hazardous according to criteria of Worksafe Australia

Safety Phrases: Not Hazardous according to criteria of Worksafe Australia.

SUSDP Classification: N/A

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.

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: Data indicates that this product may be irritating if inhaled. May lead to minor discomfort which should quickly disappear once exposure has ceased.

Carcinogen Status:

ASCC: No significant ingredient is classified as carcinogenic by ASCC at stated concentration.

NTP: No significant ingredient is classified as carcinogenic by NTP at stated concentration

IARC: No significant ingredient is classified as carcinogenic by IARC at stated concentration

Section 3 - Composition/Information on Ingredients

| Ingredients | CAS No | Conc.% | TWA (mg/m ³) | STEL (mg/m ³) |
|---------------------------|------------|--------|--------------------------|---------------------------|
| Calcium sulfate dihydrate | 10101-41-4 | >85 | not set | not set |
| Water | 7732-18-5 | to 100 | not set | not set |

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

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. 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.

MATERIAL SAFETY DATA SHEET

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.

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.

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: No hazardous decomposition products

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

No special storage and transport requirements. This product has no UN classification.

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

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**.

| Exposure Limits | TWA (mg/m ³) | STEL (mg/m ³) | ADI | NOEL |
|-----------------|--------------------------|---------------------------|---------|---------|
| | not set | not set | not set | not set |

A time weighted average (TWA) concentration for an 8 hour day, and 5 day week 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.

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 nor 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: | N/A |
| Vapour Pressure: | N/A. |
| Vapour Density: | No data. |
| Bulk Density: | 2.32 |
| Water Solubility: | Insoluble |
| Volatile materials: | Water component |
| 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

Incompatibilities: No particular incompatibilities

Polymerisation: This product is unlikely to spontaneously polymerise

Fire Decomposition: No hazardous decomposition products

Section 11 - Toxicological Information

Animal Toxicity Data: Calcium Sulphate: Ingestion LD50 (oral, rat) = 4,300 mg/kg

Section 12 - Ecological Information

Ecotoxicity: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely.

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. No special transport conditions are necessary unless required by other regulations.

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 |
| NOS | Not otherwise specified |
| NTP | National Toxicology Program (USA) |
| R-Phrase | Risk Phrase |
| SUSDP | Standard for the Uniform Scheduling of Drugs & Poisons |
| 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 MSDS 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 NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

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