

Granular Lime Coarse Grade**Section 1 - Identification**

Product Name: Granular Lime Coarse Grade
Synonyms: Lime Granular, Calcium Carbonate
CAS Number: 471-34-1

Product Use: Fertiliser, soil amendment

Supplier Details: Amgrow Pty Ltd
Address: PO Box 6390, Silverwater, NSW 1811
Telephone: (02) 93951200
Fax: (02) 4729 3037
Website: www.amgrow.com.au
Emergency Number: 13 1126

Section 2 - Hazards Identification

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SWA CRITERIA

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

GHS Label Elements not required

Hazard statement

Causes Eye irritation
Repeated exposure may cause skin dryness or cracking
May be harmful if swallowed
May be harmful if inhaled

Precautionary Statements

Do not get in eyes, on skin or on clothing
Avoid breathing dust
Use personal protective equipment as required

Section 3 - Composition/Information on Ingredients

Component	CAS No	Conc. %
Calcium Carbonate	471-34-1	to 100

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 and is available at all times. Have this SDS with you when you call.

Inhalation: Remove victim to fresh air and keep at rest in a position suitable for breathing

Skin Contact: If on skin wash with soap and water

Eye Contact: If in eyes rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. If eye irritation persists seek medical attention.

Ingestion: If swallowed rinse mouth with water. Do not induce vomiting. Seek medical advice if large quantities have been swallowed.

Advice to Doctor: Treat symptomatically

Section 5 - Fire Fighting Measures

Suitable Extinguishing Media: Not Flammable. Use extinguishing media suited to burning materials. If a significant quantity of this product is involved in a fire, call the fire brigade.

Specific Hazards Arising from the Chemical: Fire decomposition liberates carbon dioxide

Advice for Fire Fighters: In smoke or fumes wear self-contained breathing apparatus.

Hazchem Code: None Allocated

Section 6 - Accidental Release Measures

Personal Precautions: Minor spills - As a minimum, wear overalls, goggles and gloves. Do not eat, drink or smoke while cleaning up spill.

Environmental Precautions: If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal.

Method and Materials for Containment and Clean up: Stop leak if safe to do so, and contain spill. Sweep up and shovel or collect recovered product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area preventing runoff from entering drains. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry. In the event of a major spill, prevent spillage from entering drains or water courses

Section 7 - Handling and Storage

Precautions for Safe Handling: Before use carefully read the product label. Avoid contact with eyes. Avoid prolonged or repeated skin contact and breathing dust. Observe good personal hygiene, including washing hands before eating, drinking or smoking.

Conditions for Safe Storage Including any Incompatibilities: Store in cool, dry area removed from foodstuffs, combustible materials, herbicides and fungicides or strong mineral acids. Ensure containers are labelled, protected from physical damage and sealed when not in use. Do not allow to come into contact with water either from rain, condensation or the surface on which it is stored.

Section 8 - Exposure Controls and Personal Protection

Exposure Control:

Exposure Limits: TWA (mg/m³) STEL (mg/m³) ADI (mg/Kg/day) NOEL (mg/Kg/day)

Exposure limits have not been set by SWA for any other 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 from Australian ADI List, 31st March 2012

Engineering Controls: Maintain air concentration below occupational exposure standards, using engineering controls if necessary. Provision of eye wash facilities and safety shower recommended.

Personal Protection: 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.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when using this product. (Industrial Eye Protection: **AS1336** and **AS/NZS 1337**)

Skin Protection: Wear gloves or gauntlets and long sleeves when using this product to protect against skin irritation (Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Occupational Protective Footwear: **AS/NZS2210**.)

Inhalation: Use P2 type canister respirator where high concentration of airborne dust is present (Respiratory equipment: **AS/NZS 1715**)

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

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Section 9 - Physical and Chemical Properties:

Appearance: Cream to beige granules (0.5 – 1.4mm)	Flammability Limits: Not relevant, not flammable
Odour: Slight odour	Vapour Pressure: Not relevant
Odour Threshold: No Data available	Vapour Density: Not relevant
pH: No Data available	Relative Density: No Data available
Melting Point/Freezing Point: No Data available	Solubility: Immiscible
Initial Boiling Point: No Data available	Partition Coefficient: No Data available
Flash Point: Not flammable	Auto-ignition Temperature: Not relevant
Evaporation Rate: Not relevant (solid)	Decomposition Temperature: No Data available
Flammability: Not flammable	Viscosity: Not relevant

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react under normal storage conditions.

Chemical Stability: Stable under normal ambient storage and handling conditions

Possibility of Hazardous reactions: Not likely to cause hazardous reactions or to polymerise

Conditions to Avoid: Heat, flames.

Incompatible Materials: Strong mineral acids

Hazardous Decomposition Products: carbon dioxide

Section 11 - Toxicological Information

Acute Toxicity: May be harmful if swallowed in large quantities

Skin Corrosion/Irritation: Repeated exposure may cause skin dryness or cracking

Serious Eye Damage/ Irritation: Dust may cause irritation (abrasion) to the eye

Respiratory or Skin Sensitisation: May be harmful if dust inhaled

Germ Cell Mutagenicity: No Data available

Carcinogenicity: 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

Reproductive Toxicity: No Data available

STOT – Single Exposure: No Known target organ effects

STOT – Repeated Exposure: No Known target organ effects

Aspiration Hazard: Not relevant

Section 12 - Ecological Information

Ecotoxicity: No data available

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects:

Avoid contamination of waterways. Not expected to be a danger to the environment due to the nature of the product (limestone)

Section 13 - Disposal Considerations

Disposal: There are many pieces of legislation covering waste disposal and they differ in each state and territory, so each user must refer to laws operating in their area. In some areas, certain wastes must be tracked. The Hierarchy of Controls seems to be common - the user should investigate: Reduce, Reuse, and Recycle and only if all else fails should disposal be considered. Special help is available for the

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disposal of Agricultural Chemicals. The product label will give general advice regarding disposal of small quantities, and how to cleanse containers. However, for help with the collection of unwanted rural chemicals, contact ChemClear 1800 008 182 <http://www.chemclear.com.au/> and for help with the disposal of empty drums, contact DrumMuster <http://www.drummuster.com.au/>

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

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

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

Section 16 - Other Information

SDS Issue Date: June 2014

This SDS 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)
STOT	Specific Target Organ Toxicity
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
SWA	Safe Work Australia (formerly ASCC and NOHSC)
UN Number	United Nations Number

THIS SDS 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 SDS is prepared in accordance with the SWA Code of Practice "Preparation of Safety Data Sheets for Hazardous Chemicals" 10th August 2011

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