

# Material Safety Data Sheet (MSDS)



## Product: Calciprill (Granular Calcium Carbonate)

This document is prepared in accordance with the Australian National Code of Practice: NOHSC: 2011(2003).  
This Document is in Conformity with regulation (EC) 1907 / 2006 Annex II.

NOT HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Calciprill (Granular Calcium Carbonate)	
Trade Names:	Calciprill	<u>Product Uses:</u> Limestone Prills used for Agricultural Purposes
Supplier Name:	Omya Australia Pty Ltd (ACN 001 682 533)	
Address:	Suite 202, 280 Pacific Highway, LINDFIELD NSW 2070.	
Telephone Number:	+61 2 9416 6077	
Facsimile Number:	+61 2 9416 8008	
Emergency Number:	0419 498 007 (from within Australia) +61 419 498 007 (from outside of Australia) <b>Emergency contact service provided by Omya - Australia</b> (Operates Monday to Friday, 8:00am to 5:00pm Australian EST)	



### 2. HAZARDS IDENTIFICATION

Hazard Classification:	<b>Non Hazardous Substance</b> according to the Criteria of NOHSC. <b>Non Dangerous Good</b> according to the Australian Dangerous Goods Code.
Risk Phrase(s):	None
Safety Phrase(s):	None
General Notes:	Granular particles may cause irritation to the skin and eyes. Prolonged and repeated exposure may cause irritation to the respiratory system. Dust exposure standards apply.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	Name	CAS
	Limestone (CaCO <sub>3</sub> )	1317-65-3
	Natural, Limestone Ground - Calcium Carbonate. Also referred to as Calcite or Marble.	
	Naturally occurring sedimentary rock. Limestone (Ground): CAS-No. 1317-65-3	
	Ground with non-hazardous auxiliary agents	
	Silica, quartz (CAS No 14808-60-7) naturally-occurring impurity of Limestone in trace amounts. Magnesium Carbonate (CAS No 13717-00-5) is also naturally present.	

### 4. FIRST AID MEASURES

EYE CONTACT:		Rinse with plenty of clean water. In case of continued irritation, seek medical advice.
SKIN CONTACT:		Wash with water.
INHALATION:		Move person to fresh air. In case of complaints of illness, seek medical advice.
INGESTION:		Rinse out mouth with water and then drink plenty of water. In case of complaints of illness, seek medical advice.

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## 5. FIRE FIGHTING MEASURES

FLAMABILITY:	Non-flammable, non-combustible substance.
SPECIAL RISKS:	Can release CO <sub>2</sub> or CO in extreme temperature conditions i.e. > 825 °C.
EXTINGUISHING AGENTS:	All common extinguishing media compatible.
HAZCHEM CODE:	Not regulated.




## 6. ACCIDENTAL RELEASE MEASURES

PRECAUTIONS:	Do not flush down drains or into water ways. Avoid contact with acids.
CONTAINMENT AND CLEAN UP:	In case of spillage, avoid generating dust, wear respiratory protection when visibly dusty or for prolonged exposure, and sweep or vacuum. Very fine products should be collected in bag/containers, label appropriately.  Cover or lightly wet down to minimize dust generation if spills cannot be dealt with immediately.

## 7. HANDLING AND STORAGE

HANDLING:	Avoid generating airborne dust during handling and storage. Avoid prolonged contact with skin. Avoid heavy or prolonged dust inhalation (See TWA Section 8). Engineering dust controls should be used ahead of, or in combination with the wearing of appropriate respiratory protection.
STORAGE:	Store in original packaging, under dry conditions. Do not store with acids. Avoid the generation of airborne dust.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

HAND PROTECTION:	 Wear gloves to prevent irritation and drying out skin.
EYE PROTECTION:	 Wear goggles if visible dust in air or if irritation occurs. Do not wear contact lenses when handling this product, as particles may get trapped underneath and cause irritation.
SKIN PROTECTION:	Protective work clothing, full length pants, long sleeved shirt. Footwear to avoid dust penetration.
RESPIRATORY PROTECTION	 Maintain air concentrations below the occupational exposure standards, using engineering controls if necessary. Where this is not possible, wear an approved P2 dust mask where concentration is less than 10 times permissible exposure limit.

ASCC\* TWA for CaCO<sub>3</sub> Inhalable Dust in Australia is: 3 mg/m<sup>3</sup>

ACGIH\*\* TLV for CaCO<sub>3</sub> Respirable Dust in Australia is: 10 mg/m<sup>3</sup>

ASCC TWA for Respirable Quartz in Australia is: 0.1 mg/m<sup>3</sup>

\*Australian Safety and Compensation Council

\*\* American Conference of Governmental Industrial Hygienists

ENVIRONMENTAL EXPOSURE CONTROLS All ventilation systems should be filtered before discharge to atmosphere.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### GENERAL INFORMATION

Appearance:	granulate	
Colour:	grey	
Odour:	odourless	
pH Value:	8.5 - 9.5 (100 g/l / 20 °C)	DIN- ISO 787/9
Melting Point:	not applicable	
Boiling Point:	not applicable	
Flash Point:	not applicable	
Evaporation Rate:	not applicable	
Flammability:	non-flammable	
Upper/Lower Flammability Or Explosive Limits:	not applicable	
Explosive Properties:	not explosive	
Vapour Pressure:	not applicable	
Vapour Density:	not applicable	
Density at 20 °C	2.74 g/cm <sup>3</sup>	DIN-ISO 787/10
Bulk Density at 20 °C	1350 kg/m <sup>3</sup>	
Solubility in / Miscibility with water at 20 °C	0.016g/l	
Auto-Ignition Temp:	no self-ignition	
Decomposition Temp:	> 900 °C	
Viscosity:	not applicable	

## 10. STABILITY AND REACTIVITY

REACTIVITY	Can react on contact with some acids.
CHEMICAL STABILITY	Stable
POSSIBILITY OF HAZARDOUS REACTIONS	None known
CONDITIONS TO AVOID	Heating above > 900 °C
INCOMPATIBLE MATERIALS	Avoid contact with acids
HAZARDOUS DECOMPOSITION PRODUCTS	Can react with acids under the formation of carbon dioxide (CO <sub>2</sub> ) that can displace oxygen (danger of suffocation).
FURTHER INFORMATION	none

## 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD/LC 50 values that is relevant for classification.
Skin Corrosion/Irritation	No irritation, but slight irritation or redness is possible after long or repeatedly mechanical contact
Serious Eye Damage/Irritation	Eye irritation is possible after mechanical influence (dust)
Respiratory or skin irritation	Inhalation of dust may cause discomfort in the upper respiratory tract. Prolonged and repeated inhalation of excessive dust may permanently affect the respiratory system. Prolonged and repeated exposure may cause skin dehydration and irritation skin conditions.
Germ cell Mutagenicity	Data not available
Carcinogenicity	Data not available
Reproductive toxicity	Data not available
STOT – single exposure	Data not available
STOT – repeated exposure	Data not available
Aspiration hazard	Data not available

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## 12. ECOLOGICAL INFORMATION

Information about elimination (persistence and degradability)

Other Information: inorganic substance, not biodegradable

Ecotoxicological Effects:

**Remarks:** In its solid state, calcium carbonate is a natural mineral of the earth. In its dissolved state, the substance is a natural and indispensable component of natural waters.

Bioaccumulative potential      Calciprill (Granular Calcium Carbonate) is a naturally occurring inorganic compound which has constituent elements that make up natural components of biological organisms.

## 13. DISPOSAL CONSIDERATIONS

Product Recommendation:

Disposal according to instruction of local authorities.

Before disposing check the possibility for agricultural use.

## 14. TRANSPORT INFORMATION

UN Number	None allocated
Proper shipping name	None allocated
GGVSee/IMDG CODE	None allocated
GGVE/GGVS	None allocated
RID/ADR	None allocated
ICAO/IATA-DGR	None allocated
ADNR	None allocated

## 15. REGULATORY INFORMATION

Poisons Schedule:      Not a scheduled poison (Standard for the Uniform Scheduling of Drugs and Poisons No.22)

R-phrases:              none

S-phrases:              none

## 16. OTHER INFORMATION

Europe/EU:	EINECS listed under No. 215-279-6
USA	TSCA Inventory listed under CAS No. 1317-65-3
Canada:	Limestone is exempt from the PDSL (naturally occurring substance).
Australia:	NICNAS AICS under CAS-No. 1317-65-3
Japan:	MITI registered under 1-122-122
People's Rep. of China:	CAS - 1317-65-3
South Korea:	CAS - 1317-65-3
New Zealand:	Exempt under HSNO