

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: **BENTONITE**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier:	Baileys Fertilisers	Other Name(s):	Calcium Bentonite
Address:	PO Box 261 Rockingham Western Australia 6968	Recommended use:	Soil Amendment
Telephone:	(08) 9439 1688 (Business hours)	Product Code(s):	N/A
Emergency Contact:	W.A. Poisons Information Centre on 131126		
Facsimile:	(08) 9439 1068		
Email:	baileys@baileysfertiliser.com.au		
Website:	baileysfertiliser.com.au		

2. HAZARDS IDENTIFICATION

Based on available information, not classified as hazardous according to criteria of NOHSC; NON HAZARDOUS SUBSTANCE.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

UN No.	None Allocated	Packaging Group	None Allocated	Poisons Schedule	None Allocated
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Risk Phrases: N/A

Safety Phrases: S22: Do not breathe dust

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Proportion	
Calcium Bentonite	1302-78-9	High	Note: High: >60% Medium: 30-60% Low: 10-30% Very low: <10%
Silicon dioxide	14808-60-7	Very Low	

4. FIRST AID MEASURES

Swallowed: Wash out mouth with water. Poison Information Centres (131126) in each state's capital city can provide additional assistance. Seek medical attention.

Eye:	Dust may cause mechanical irritation. Irrigate immediately with cold running water and if irritation persists seek medical attention.
Skin:	Wash with water and if irritation persists seek medical attention.
Inhaled:	Dust can be irritating, remove from exposure and if irritation persists seek medical attention.
Conditions which may be Aggravated by exposure:	Skin abrasions and sores. Inhalation of Dust may aggravate asthma.
Advice to Doctor:	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability:	Non flammable.
Extinguishing Media:	Water spray or dry powder, foam and carbon dioxide extinguisher as appropriate to the surrounding conditions.
Fire/Explosion Hazard:	No decomposition products expected.
Hazchem Code:	Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Spills and Disposal:	Carefully sweep up and shovel into suitable containers for reuse/recycle or disposal at an approved waste disposal site.
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7. HANDLING AND STORAGE

Safe Handling:	Use as instructed ensuring safe work practices are followed that avoid eye or skin contact or inhalation.
Storage and Transport:	Store in original container in a cool, dry, well-ventilated area. Keep out of reach of children.
Other information:	Product is hygroscopic. Contact with moisture is likely to cause handling problems.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standard:	Time Weighted Average (TWA): 10 mg/m ³ Short Term Exposure Limits (STEL): Not set.
Biological Limit Values:	No biological limit allocated.
Engineering Controls:	Use only in a well ventilated area and manage dust levels.
Personal Protective Equipment:	Wear gloves, safety boots, protective clothing and safety glasses with side shields. In dusty conditions use a respirator of class P1.

9. PHYSICAL AND CHEMICAL PROPERTIES

• Appearance:	Grey granules and powder
• Bulk Density:	1.4kg/L
• Odour:	No odour
• pH:	8.5
• Boiling Point:	Not applicable.
• Melting Point:	Not applicable

- **Vapour pressure:** Negligible at ambient temperatures
- **Specific gravity:** 2.5
- **Flash point:** Non flammable
- **Flammability limits:** Non flammable
- **Solubility in water:** Insoluble
- **Other:** None

10. STABILITY AND REACTIVITY

- Chemical Stability:** Material is stable under normal storage and handling conditions.
- Conditions to avoid:** Moisture.
- Incompatible materials:** None.
- Decomposition products:** No significant decomposition products expected.
- Hazardous reactions:** Hazardous polymerisation reactions will not occur.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this MSDS and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

- Ingestion:** Swallowing may result in irritation of the gastrointestinal tract.
- Eye contact:** Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
- Skin contact:** Repeated or prolonged skin contact may lead to irritation.
- Inhalation:** Breathing in dust may result in respiratory irritation.
- Long Term Effects:** No information available for the product but prolonged exposure to dust is not recommended.
- Toxicological Data:** No LD50 data available for the product.

12. ECOLOGICAL INFORMATION

This material is biologically inert and unlikely to adversely affect the environment.

- Ecotoxicity:** Avoid contaminating waterways due to fine particles reducing water quality.

13. DISPOSAL CONSIDERATIONS

- Disposal:** Dispose of product and packaging in accordance with local regulations, to an approved landfill site. Do not incinerate.

14. TRANSPORT INFORMATION

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

Un Number.	None Allocated	UN Proper Shipping Name.	None Allocated	Class and Subsidiary Risk(s)	None Allocated
Packing Group	None Allocated	Special precautions for user.	None	Hazchem code.	None Allocated

15. REGULATORY INFORMATION

AICS	All chemicals listed on the Australian Inventory of Chemical Substances (ACIS).
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16. OTHER INFORMATION

Baileys Fertilisers has taken all due care to provide accurate and up-to-date information but does not provide a warranty concerning this information. It is the users' responsibility to assess the circumstances of use and assess the risks in any given situation.