



MATERIAL SAFETY DATA SHEET

STATEMENT OF HAZARDOUS NATURE:

Not listed as a Designated Hazardous Substance (NOHSC, 1999a)

COMPANY DETAILS

Company: ARUMPO BENTONITE PTY LTD
ABN 77 001 831 483

Address: P O Box 5045 (35a Deakin Avenue)
MILDURA VIC 3500

Phone: 03 5021 0744 (business hours)
0407 210 744 (after hours)

Fax: 03 5021 0755

Email: arumpo@arumpo.com.au

IDENTIFICATION

Product Name: BENTONITE

Product Code: _____ *none allocated*
U.N. No: _____ *none allocated*
Hazchem Code: _____ *none allocated*
Dangerous Goods Class: ____ *none allocated*
Subsidiary Risk: _____ *none allocated*
Packaging Group: _____ *none allocated*
Poisons Schedule: _____ *not scheduled*

Uses: Depending on type and grade Bentonite is used in ore pelletising, foundry sand, drilling mud, geotechnical applications, animal feeds as a medicine and binder, oil and waste absorbent, pet litter, activated clay clarification, ceramic refractories, thickening paint and glue, filling paper and pharmaceutical's.



PHYSICAL DESCRIPTION / PROPERTIES

Appearance: _____ *buff / off white*
 Odour: _____ *non-specific*
 Specific gravity: _____ *2.3 approx*
 Bulk density: _____ *1.12 tonne per m³*
 Behaviour in water: _____ *forms colloidal suspension*
 Viscosity: _____ *no data*
 Flash Point: _____ *no data*
 Flammability: _____ *non-flammable*
 Combustibility: _____ *non-combustible*
 Volatility: _____ *not volatile*

INGREDIENTS

Typical mineralogical composition for Arumpo Bentonite:

Ingredients	C.A.S No.	Proportion
Dominant-Montmorillonite	1318 –93 –0	96% w/w
Minor- Quartz	14808-60-7	3% w/w
Anatase	1317–70-0	1% w/w

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

Product is unlikely to present a hazard during normal use

Swallowed: _____ *not likely to be toxic by ingestion*

Dermal absorption: _____ *not irritating to the skin*

Eye irritation: _____ *dust contacting the eye may cause irritation*

Inhaled: _____ *not likely to be of concern unless very high dust concentrations are found in air.*

Chronic: _____ *long term inhalation of high concentrations of this product could have potential health risks and should be avoided.*



FIRST AID

- Swallowed: _____ *not toxic by ingestion, if large quantities have been ingested seek advice from local poisons nformation centre.*
- Eye: _____ *flush eye with clean tap water, if irritation persists seek medical advice.*
- Skin: _____ *should not irritate skin, wash with soap and water, if irritation continues seek medical advice.*
- Inhaled: _____ *move affected person to fresh air recovery should occur immediately. If discomfort continues seek medical aid.*

ADVICE TO DOCTOR

Inert clay, otherwise no specific advice

PRECAUTIONS FOR USE

EXPOSURE STANDARDS :

No exposure standards have been set for this product. Since quartz is the ingredient of most concern it should be noted that it occurs as crystalline sand grains mainly larger than 75um which is of a much larger fraction than respirable dust. It is therefore considered that unless the product is to be very finely ground, silica concentrations should not be of concern. However normal OH&S standards for respirable dust should apply and as no values have been recommended exposures should be kept as low as practicable.

ENGINEERING CONTROLS:

Ensure ventilation is adequate to maintain airborne dust concentrations below the occupational exposure standards for inspirable dust.

PERSONAL PROTECTION:

For comfort maintain good personal hygiene. Wear appropriate safety clothing and safety glasses are recommended. Avoid inhaling dust. Where high concentrations of airborne dust are present, a respirator conforming to A.S.1716 should be worn.



FLAMMABILITY:

This product is non-flammable and non-combustible

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

If product is to be used in animal feeds, store in a dry place, away from any substances such as fuels, fertilisers and pesticides to avoid absorption of any taint.

SPILLS AND DISPOSAL

No special transport requirement

Spills can be cleaned up for disposal or re-use without any particular requirements.

Dispose of in local authority landfill site - treat as earth or clay. Bags should not be burned – flatten or shred and dispose of at a licensed landfill.

FIRE/EXPLOSION HAZARD

This product is non-flammable, non explosive and non-combustible. Extinguish warehouse or factory fires using fine water spray or foam.

OTHER INFORMATION.....none

NOTE: The information contained in this document is by way of general comment only. Because conditions of use, suitability of product and application conditions are beyond our control, the document is not and does not purport to offer particular advice in respect of any product. The Company – Arumipo Bentonite Pty Ltd, hereby expressly disclaim any liability to any person, property or thing in respect of any consequences of anything done or omitted to be done by any person in reliance, whether wholly or in part, upon the whole or any part of the contents of this document.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the company.