



## MATERIAL SAFETY DATA SHEET

### 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

- 1.1 Product:** Arumpo Bentonite, Arumpo Stockfeed Bentonite, Ultraben, Wineben, Enviro Litter
- 1.2 Other Names:** Sodium Bentonite, Smectite, Aluminium Phyllosilicate, Montmorillonite
- 1.3 Recommended Use:** 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 pharmaceuticals.
- 1.4 Supplier:** Arumpo Bentonite Pty Ltd  
35a Deakin Avenue (PO Box 5045)  
Mildura Vic 3500  
Phone: (03) 5021 0744 or 1800 210744  
After Hours: 0407 210744 or 0417 392717  
Facsimile: (03) 5021 0755  
Email: [arumpo@arumpo.com.au](mailto:arumpo@arumpo.com.au)  
Web: [www.arumpo.com.au](http://www.arumpo.com.au)

### 2 HAZARDS IDENTIFICATION

- 2.1 Hazard Classification:** Non-Hazardous and Non-Dangerous.
- 2.2 Risk Phrase:** Nil.
- 2.3 Safety Phrase:** Nil.

### 3 COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Entity	CAS Number	Proportion
Montmorillonite (dominant)	1318 – 93 – 0	96% w/w
Quartz (minor)	14808 – 60 – 7	3% w/w
Anatase	1317 – 70 - 0	1% w/w



## 4 FIRST AID MEASURES

### 4.1 Description of Necessary First Aid Measures

- Ingestion:** Not likely to be toxic by ingestion. If large quantities have been ingested, seek advice from local poisons information centre.
- Dermal Absorption:** Not irritating to the skin. Wash with soap and water. If irritation continues, seek medical advice.
- Eye Irritation:** Flush eye with clean tap water. If irritation persists, seek medical advice.
- Inhalation:** Move affected person to fresh air; recovery should occur immediately. If discomfort continues, seek medical advice.

### 4.2 Medical Attention and Special Treatment

- First Aid Facilities:** No special facilities required.
- Comments:** Treat according to person's condition.
- Advice to Doctor:** Inert clay, otherwise no specific advice.

## 5 FIRE FIGHTING MEASURES

- 5.1 Extinguishing Media:** Non flammable; fine water spray or foam may be used.
- 5.2 Hazards from Combustion Products:** Non-combustible.
- 5.3 Special Protective Precautions and Equipment for Fire Fighters:** Determine the need to evacuate or isolate the area according to local emergency plan. Fire fighters should wear self-contained breathing apparatus to minimise risk of exposure to vapour or products of combustion.
- 5.4 Hazchem Code:** Not applicable.



## 6 ACCIDENTAL RELEASE MEASURES

- 6.1 Emergency Procedures:** Do not allow large quantities to enter drains or surface waters.
- 6.2 Methods and Materials for Containment and Clean Up Procedures:** Spills can be cleaned up for disposal in local authority landfill site (treat as earth or clay) or re-use without any particular requirements.

## 7 HANDLING AND STORAGE

- 7.1 Precautions for Safe Handling:** Nil.
- 7.2 Conditions for Safe Storage:** Store in a cool, dry place away from any substances such as fuel, pesticides and fertilisers to avoid absorption and taint.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 National Exposure Standards:** No exposure standard allocated.
- 8.2 Biological Limit Values:** No biological limit allocated.
- 8.3 Engineering Controls:** Ensure ventilation is adequate to maintain airborne dust concentrations below the occupational exposure standards for inspirable dust.
- 8.4 Personal Protective Equipment:** Maintain effective personal hygiene. Wear appropriate safety clothing and the use of safety glasses is recommended.



## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Physical Description/Properties

<b>Appearance:</b>	Buff/off white.
<b>Odour:</b>	Non-specific
<b>pH:</b>	
<b>Specific Gravity:</b>	2.3 approximately.
<b>Bulk Density:</b>	1.12 tonne per cubic metre.
<b>Behaviour in Water:</b>	Forms colloidal suspension.
<b>Viscosity:</b>	No data.
<b>Flash point:</b>	No data.
<b>Flammability:</b>	Non-flammable
<b>Combustibility:</b>	Non-combustible
<b>Volatility:</b>	Non-volatile

## 10 STABILITY AND REACTIVITY

<b>10.1 Chemical Stability:</b>	This product is stable and stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>10.2 Conditions to Avoid:</b>	Not applicable.
<b>10.3 Incompatible Materials:</b>	None known.
<b>10.4 Hazardous Decomposition Products:</b>	Not applicable.
<b>10.5 Hazardous Reactions:</b>	Not applicable.



**11 TOXICOLOGICAL INFORMATION**

**11.1 Likely Route of Exposure:** Skin contact.

**11.2 Health Effects from Likely Route of Exposure:**

<b>Acute Ingestion:</b>	This material may be discomforting to the gastro-intestinal tract.
<b>Skin:</b>	The product is considered harmless to the skin. Irritation and skin reactions are possible with sensitive skin.
<b>Inhalation:</b>	Not normally a hazard due to non-volatile nature of the product.
<b>Chronic Ingestion:</b>	No known applicable information.
<b>Skin:</b>	No known applicable information.
<b>Inhalation:</b>	No known applicable information.

**12 ECOLOGICAL INFORMATION**

<b>12.1 Ecotoxicity:</b>	Not available.
<b>12.2 Bioaccumulation:</b>	No bioaccumulation potential.
<b>12.3 Environmental Fate and Distribution:</b>	Not considered toxic.
<b>12.4 Fate and Effects in Waste Water Treatment Plants:</b>	No adverse effects on bacteria are predicted.

**13 DISPOSAL CONSIDERATIONS**

<b>13.1 Disposal Method:</b>	Dispose of into local landfill.
<b>13.2 Special Precautions for Landfill or Incineration:</b>	None Known.



<b>14</b>	<b>TRANSPORT INFORMATION</b>
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|---|-----------------|
| <b>14.1 UN Number:</b>                    | Not applicable. |
| <b>14.2 UN Proper Shipping Name:</b>      | Not applicable. |
| <b>14.3 Dangerous Goods Class:</b>        | Not applicable. |
| <b>14.4 Packing Group Number:</b>         | Not applicable. |
| <b>14.5 Special Precautions for User:</b> | Not applicable. |
| <b>14.6 Hazchem Code:</b>                 | Not applicable  |

<b>15</b>	<b>REGULATROY INFORMATION</b>
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| <b>15.1 SUSDP:</b>   | None allocated. |
| <b>15.2 Prohibition/Licensing Requirements:</b>                        | None allocated. |
| <b>15.3 Agricultural and Veterinary Chemicals Act 1988:</b>            | None allocated  |
| <b>15.4 Industrial Chemicals (Notification of Assessment) Act 1989</b> | Exempt          |



**16 OTHER INFORMATION**

**16.1 Issue Date** 4 January 2010.

**16.2 Contact Person:** Stuart Smith.  
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**Definitions:**

**NASAA – the National Association for Sustainable Agriculture Australia**  
**APVMA – Australian Pesticides and Veterinary Medicines Authority**

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

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