

# **MATERIAL SAFETY DATA SHEET**

## **PRODUCT IDENTIFICATION**

Product Name: JNJ Resource Sodium Bentonite  
Other Names: Sodium Montmorillonite, Sodium Smectite, Kitty Litter  
D.G. Class: Non Allocated  
HAZCHEM Code: Non Allocated  
Packaging Group: Non Allocated  
Poison Schedule: Non Allocated  
UN Number: Non Allocated  
NOS Proper Shipping Name: Non Allocated

**NOT CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF  
WORKSAFE AUSTRALIA**

Recommended Use: Dam or pit lining, sorbent, drilling mud, stock feed additive, sealant

### PRODUCT DESCRIPTION / PROPERTIES:

Appearance: Pale grey – brown granular powder. Puggy/slippy when wet  
Boiling Point: Not relevant  
Vapour Pressure: Not relevant  
Bulk Density: 1.2 – 1.6  
Granular Density: 0.9mm – 5.0mm  
Flash Point: Not relevant  
Flammability Limits: Not relevant  
Auto-ignition Temperature: Not relevant  
pH (1:5 slurry): 8.5 0 10.5

INGREDIENTS:	CAS Number	Range (w/w)
Sodium Bentonite*	1302 – 78 – 9	85 – 95%
Kaolinite	1332 – 58 – 7	25 – 45%
Quartz*	14808 – 60 – 7	0 – 10%

\*All Ingredients are registered with the Australian Inventory of Chemical Substances

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### EMERGENCY CONTACT:

Australian Poisons Information Centre (24 Hours Service)  
Police or Fire Brigade:  
MSDS Sodium Bentonite: August 2014

13 11 26  
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Page 1 of 3

## HEALTH HAZARD INFORMATION

### Airbourne Exposure Limits:

<b>Total Dust:</b>	<b>TLV TWA</b>	<b>2 mg/m<sup>3</sup></b>
<b>Sodium Bentonite:</b>	<b>TLV TWA</b>	<b>N/A</b>
<b>Kaolinite:</b>	<b>TLV TWA</b>	<b>N/A</b>
<b>Quartz (Crystalline Silica):</b>	<b>TLV TWA</b>	<b>0.02 mg/m<sup>3</sup></b>

### HEALTH EFFECTS:

Swallowed:	No adverse effects.
Eye:	Dust may cause mild irritation or redness
Skin:	May cause drying resulting in dermatitis on prolonged contact
Inhaled:	Acute irritation by dust in the short term. Long term chronic exposure to respirable Quartz particles (<10 microns) in excess of the suggested limits may lead to the development of silicosis or other respiratory ailments.

### FIRST AID:

Swallowed:	If swallowed, do not induce vomiting. Give quantities of water
Eye:	If in eyes, hold eyes open and flood with water for a least 15 minutes. See a doctor.
Skin:	Wash with soap and water. If adverse effects develop, see a doctor.
Inhaled:	Remove victim from source of dust and have victim lie down and remain quiet. Give artificial or assisted respiration if breathing is difficult. Seek medical advice.

**Advice to doctor: Treat symptomatically**

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13 11 26  
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Page 2 of 3

## PRECAUTIONS FOR USE:

- Ventilation: Ensure adequate ventilation to keep dust below recommended exposure levels.
- Personal Protection: **Use dustless methods, or use water sprays or slurries when handling.** Protective equipment is recommended; long sleeved shirts, trousers, safety boots and face shield. Avoid breathing dust. Where ventilation is not adequate, respiratory protection may be required. Where dust levels are up to 50 x TLV, any dust respirators are recommended, except single-use or ¼ masks. For dust levels greater than 50 x TLV, a high efficiency particulate filter respirator is to be used. Above 500 x TLV, SCBA with full face piece must be used. Floors may become slippery if spilt and especially when wet.
- Flammability: Not Flammable

## SAFE HANDLING INFORMATION:

- Storage/Transport: Store in a cool, dry, well ventilated place, away from foodstuffs. Avoid generating dust. Do not allow dust to accumulate on walls, floors, ledges, sills or equipment.
- Accidental Release, Spills and Disposal: **Avoid breathing dust. Use dustless or vacuum methods or flush with water. Do not dry sweep.** Care should be taken around spills, as surfaces will become slippery, especially when wet. Shovel up and dispose of to waste disposal site approved of by Local Authority by-laws. Do not dispose of or flush to sewer or waterway.
- Fire/Explosion: The product is stable and non-combustible.

## ECOLOGICAL INFORMATION:

The material is non-toxic and generally considered chemically inert in the environment.

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13 11 26  
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Page 3 of 3