

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

PRODUCT DESCRIPTION / PROPERTIES:

Appearance: Pale grey – brown granular powder. Puggy when wet
Boiling Point: Not relevant
Vapour Pressure: Not relevant
Bulk Density: 1.2 – 1.6
Granular Density: 1.8 – 2.4
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%
Quartz*	14808 – 60 – 7	0 – 10%

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

EMERGENCY CONTACT:
Australian Poisons Information Centre (24 Hours Service)
Police or Fire Brigade:
MSDS NaBent: October 2003

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HEALTH HAZARD INFORMATION

Airbourne Exposure Limits:

Sodium Bentonite:	OSHA PEL (8hr TWA)	5 mg/m ³
	ACGIH TLV	ND
Quartz (Crystalline Silica):	OSHA PEL (8hr TWA)	0.05 mg/m ³
	ACGIH TLV	

WARNING: Quartz has been classified by the ACGIH as an A2 Suspected Human Carcinogen.

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. Giver artificial or assisted respiration if breathing is difficult. Seek medical advice.

Advice to doctor: Treat symptomatically

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PRECAUTIONS FOR USE:

- Ventilation: Ensure adequate ventilation to keep dust below recommended exposure levels.
- Personal Protection: **Avoid 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 PEL, any dust respirators are recommended, except single-use or ¼ masks. For dust levels greater than 50 x PEL, a high efficiency particulate filter respirator is to be used. Above 500 x PEL, SCBA with full face piece must be used. Floors may become slippery if spilt and especially when wet.
- Flammability: Not Flammable, but may liberate hazardous Sulphur Oxide fumes in the event of fire.

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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