

ZEOLITE

MATERIAL SAFETY DATA SHEET

STATEMENT OF HAZARDOUS NATURE

The product is not classified as a hazardous substance under the Hazardous Substances and New Organisms legislation.

COMPANY DETAILS

Company: Blue Pacific Minerals

Address: Link Road, Waharoa,
P.O. Box 175, Matamata, NEW ZEALAND

Telephone Number: +64 (0) 7 888 4236 **Fax:** +64 (0) 7 888 4362

Emergency Phone No: +64 0274 573 007

IDENTIFICATION

Product Name: Natural Zeolite

Chemical Name: Aluminosilicate

Other Names: Natural zeolite, Mineral sponge, NuFeed, Blue Pacific™, NuGreen

Manufacturer: Blue Pacific Minerals
State Highway #1
Tokoroa
NEW ZEALAND

Manufacturer's Product Code: Various Grades **Packing Group:** None

U.N. Number: None **Hazchem Code:** Not applicable

Dangerous Goods Class: None **Toxic Substances Schedule:** None

Physical Description/Properties

Appearance: Creamy coloured granular or powdered material – no odour

Boiling Point: Not applicable **Melting Point:** Not applicable

Flash Point: Not applicable **Flammability Limits:** Not applicable

Vapour Pressure: Not applicable **Relative Vapour Density (air = 1):** Not applicable

Solubility in Water: Insoluble **pH:** Not applicable

Specific Gravity (water = 1): 0.65 gm/cm³ **Hardness:** 3

Physical Description/Properties (Contd)

Ingredients	Cas No.	Proportion
Zeolites (Clinoptilolite + Mordenite)	1318-02-01	40% - 75%
Smectite	Not applicable.	10% - 30%
Opal C ₁	Not applicable	15% - 30%

HEALTH HAZARD INFORMATION

Health Effects

Non hazardous to health other than as an irritant

Acute

Swallowed: No known adverse effects if ingested in small quantities. Not recommended for human consumption.

Eye: Dust may cause irritation.

Skin: Some irritation may occur due to drying action.

Inhaled: No known adverse effects.

Chronic

No known chronic effects.

First Aid

Swallowed: If adverse effects are observed seek medical advice.

Eyes: Flush with water for 5 – 10 mins. If irritation persists seek medical attention.

Skin: If skin irritation occurs, remove clothing and flush affected area with water. Seek medical attention if irritation persists.

Inhaled: Remove patient from affected area, to an area of clean air.

First Aid Facilities: Not applicable

Advice to Doctor: Material is inert but is highly absorbent and may have dehydrating effects if large amounts ingested.

Toxicity Data: Material is non toxic

PRECAUTIONS FOR USE

General

Maintain good house keeping to prevent accumulations of product.
Wash hands with soap and water after handling.

Exposure Standards

Nuisance dust

No exposure standards set for zeolite.

Particulates not otherwise classified – Exposure limits

10mg/m³ inspirable dust
3mg/ m³ respirable dust

PRECAUTIONS FOR USE - continued

Engineering Controls

Use dust extraction systems in the manufacture, handling, storage, and clean up to minimise dust exposure.

Personal Protection

Avoid prolonged breathing of dust or contact of dust with skin. Wear NIOSH/MSHA approved dust mask, eye protection, and skin protection.

Flammability

Non flammable.

Environment

No environmental hazards are reported.

SAFE HANDLING INFORMATION

Storage and Transport

No special storage or transport requirements. General requirements to store stable stacks apply.

Road Transport Not classified as Dangerous Goods under the Land Transport Rule (Dangerous Goods) 2005. by NZS 5433:1988

Sea Transport Not classified

Storage Protect from moisture

Spills & Disposal

Avoid excessive exposure to dust. Wear a dust mask and sweep up.

Zeolite is natural so it can be buried safely.

If liquid spill is absorbed into material, follow specific disposal instructions of liquid.

Fire/Explosion Hazard

None.

Since product is none combustible, extinguishing media appropriate to the surrounding fire should be used.

Reactivity Data

Can release heat when absorbing water. Will react with HF acid. Avoid contact with strong oxidising agents.

OTHER INFORMATION:

Ecotoxicity Data: N.A.

Revision Date: 15th September 2006

Revision Number: 4

CONTACT POINT: Emergency Contact Number +64 0274 573 007
or - NATIONAL POISONS CENTRE
+64 (0)9 474 7000

Disclaimer

The information contained in this Safety Data Sheet supersedes all previous such sheets and is based upon TheCompany's current knowledge at the date of preparation. It is given in good faith, without any warranty, expressed or implied, regarding its correctness or completeness. The conditions or methods of handling, storage, use or disposal of the product are beyond our knowledge. It is the sole responsibility of the user to take all precautions required in handling the product.

The information contained in this Material Safety Data Sheet does not constitute an assessment of work place risks.