

# MATERIAL SAFETY DATA SHEET



## MINERAL SPONGE

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### STATEMENT OF HAZARDOUS NATURE

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The product is not classified as hazardous under New Zealand legislation.

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### COMPANY DETAILS

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**Company:** Spill Solutions Ltd  
**Address:** Chesterfield St  
Greymouth, NEW ZEALAND  
**Telephone Number:** +64 (0) 3 768 0190      **Fax:** +64 (0) 3 768 4237

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### IDENTIFICATION

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**Product Name:** Natural Zeolite  
**Chemical Name:** Aluminosilicate  
**Other Names:** Natural zeolite, Mineral sponge, NuFeed, Blue Pacific™, NuGreen  
**Manufacturer:** NZ Natural Zeolite  
Hwy #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/cm<sup>3</sup>      **Hardness:** 3

Ingredients	Cas No.	Proportion
Zeolites (Clinoptilolite + Mordenite)	Not applicable.	40% - 75%
Smectite	Not applicable.	10% - 30%
Opal C <sub>1</sub>	Not applicable	15% - 30%

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## HEALTH HAZARD INFORMATION

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### 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

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## PRECAUTIONS FOR USE

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### 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.

#### **Engineering Controls**

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

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## PRECAUTIONS FOR USE - continued

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### 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.

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## SAFE HANDLING INFORMATION

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### Storage and Transport

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

#### Road Transport

Not classified as a dangerous good 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.

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## OTHER INFORMATION:

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### Ecotoxicity Data

N.A.

### CONTACT POINT:

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

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