

MATERIAL SAFETY DATA SHEET



MINERAL SPONGE

STATEMENT OF HAZARDOUS NATURE

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

COMPANY DETAILS

Date: 1st March 2015
Company: Civilquip Ltd
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IDENTIFICATION

Product Name: Natural Zeolite
Chemical Name: Aluminosilicate
Other Names: Natural zeolite, Mineral sponge, NuFeed, Blue Pacific™, NuGreen
Manufacturer: NZ Natural Zeolite

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 ³	Hardness: 3

Ingredients	Cas No.	Proportion
Zeolites (Clinoptilolite + Mordenite)	Not applicable.	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.

Engineering Controls

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

PRECAUTIONS FOR USE - continued

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 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 not 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.

CONTACT POINT:

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

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