

## Material Safety Data Sheet

### 1. IDENTIFICATION OF MATERIAL AND SUPPLIER

**PRODUCT NAME: ZEOLITE**

Synonyms: Mineral Sponge

Recommended Use: Oil & Chemical Liquid Spill Absorbent, Odour & Vapour Absorbent

**Supplier:** Minehan Agencies Pty Ltd

**Address:** 29 Camuglia Street GARBUTT Townsville Queensland Australia 4814

**Telephone:** (07) 4774 4626

**Facsimile:** (07) 4774 4616

**E-mail:** inquiry@minehanagencies.com.au

**Emergency telephone number: 0408 777 800** (24Hrs Australia)

### 2. HAZARDS IDENTIFICATION

This product is classified as:

**Non Hazardous** according to criteria of the National Occupational Health and Safety Commission (NOHSC).

**Not Dangerous Goods** according to the Australian Dangerous Goods Code (ADG Code).

<b>Approved Criteria Classification</b> (Calculated).	<b>Not Classified</b>
<b>SUSDP Classification</b>	<b>Not Scheduled</b>
<b>ADG Classification</b>	<b>Not Classified</b>
<b>Un Number</b>	<b>None allocated</b>

## EMERGENCY OVERVIEW

<b>COLOUR</b>	Creamy Colour
<b>PHYSICAL DESCRIPTION</b>	Granular or Powdered Material
<b>ODOUR</b>	NIL
<b>MAJOR HEALTH HAZARD</b>	N/A

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# POTENTIAL HEALTH EFFECTS

**Inhalation: Short term exposure.** Inhalation of dust may cause irritation to the mucous membrane and upper airways. Symptoms can include sneezing, coughing and breathing difficulties. **Long term exposure.** No long-term health effects are known for this product.

**Skin Contact: Short term exposure.** May cause mechanical irritation in contact with the skin. **Long term exposure.** No long-term health effects are known for this product.

**Eye Contact: Short term exposure.** May cause mechanical irritation in contact with the eyes, which can result in redness, itching and lachrymation. **Long term exposure.** No long-term health effects are known for this product.

**Ingestion: Short term exposure.** Material is biologically inert. It is however highly absorbent and could have a dehydrating effect if large amounts are ingested rapidly. **Long term exposure.** No long-term health effects are known for this product.

### Carcinogen Status

NOHSC	Not Classified
NTP	Not Classified
IARC	Not Classified

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS No	PROPORTION W/W %
Zeolites	Not Applicable	to 100%

### 4. FIRST AID MEASURES

Poison Information Centres in each State capital city can provide additional assistance for Scheduled Poisons: Phone (Australia 13 1126).

**Inhalation:** Remove victim from exposure. Have victim blow nose to remove excess dust. Ensure airways are clear and have a qualified person give oxygen through a facemask if breathing is difficult. If symptoms persist seek medical attention.

**Skin Contact:** Remove contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Wash clothing before re-use or discard. If irritation develops seek medical attention.

**Eye Contact:** Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. If present, remove contact lenses. If symptoms persist seek medical attention..

**Ingestion:** Immediately rinse mouth with water. Do NOT induce vomiting. If symptoms persist seek medical attention.

**Notes to Physician:** Treat symptomatically. Material is inert but is highly absorbent and may have dehydrating effects if large amounts are ingested. Material is non-toxic.

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### 5. FIRE FIGHTING MEASURES

**Flash Point:** Not a Flammable or Combustible liquid.

**Fire and Explosion Hazard:** No known explosion hazards or hazardous combustion products.

**Specific Hazards:** None

**Fire Fighting:** Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. **Suitable Extinguishing Media:** Not combustible, however, if material is involved in a major fire use water fog to keep drums cool. Use foam, CO<sub>2</sub> or dry chemical powder to extinguish surrounding fire.

Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

**Hazchem Code:** None allocated

### 6. ACCIDENTAL RELEASE MEASURES

Scoop up spills and place in container. Avoid creating any dusts. Wear appropriate respiratory protection, safety glasses and overalls as a precaution. When used to absorb hazardous substances treat as per that substance.

### 7. HANDLING AND STORAGE

Store in a cool, dry place and out of direct sunlight. Avoid contact with incompatible materials that support strong combustion, such as strong oxidising agents.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:** No value has been assigned for this specific material by NOHSC. However exposure limits for ingredients are shown below

Ingredient	TWA	STEL	Notices

TWA – the Time-Weighted Average airborne concentrations over an eight hour working day, for a five day week over an entire working life.

STEL (Short Term Exposure Limit) – the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge, these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.

Sk Notice – absorption through the skin may be a significant source of exposure. The exposure standard is invalidated if such contact should occur.

Sen Notice- Sensitiser. The substance can cause a specific immune response in some people. An affected individual may subsequently react to minute levels of that substance.

These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

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**Biological Limit Value:** No biological limit allocated.

**Engineering Controls:** Ensure ventilation is adequate to maintain air concentrations below Exposure Standards and prevent exposure to vapours, mists and fumes. Use in well ventilated area. Keep containers closed when not in use.

### Personal Protection Equipment

**Respirator:** Not required.

**Eye Protection:** When handling the concentrate Safety glasses with side shields should be worn as described in Australian Standard AS/NZS 1337 – Eye Protectors for Industrial Applications.

**Glove Type:** Impervious PVC or rubber gloves should be worn when handling the concentrate.

**Clothing:** Not specific requirements.

**Work/Hygienic Practices:** Always wash hands before smoking, eating, drinking or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Granular or Powdered Material		Water Solubility	Insoluble
Colour	Cream		Vapour Pressure	NA
Odour	Nil		Vapour Density	NA (air =1)
Boiling Point	NA		Evaporation Rate	NA
Melting Point	NA		% Volatiles	NA
Freezing Point	NA		Flash Point	NA
Specific Gravity	0.65g/cm <sup>3</sup> (water=1)		Flammability Limits	NA
Ph (neat)	NA		Ignition Temperature	NA

## 10. STABILITY AND REACTIVITY

**Reactivity:** Can release heat when absorbing water. Will react with HF acid. Use with caution on strong oxidising agents.

**Conditions to Avoid:** Avoid contact with incompatible materials.

**Incompatibilities:** Strong Oxidising Agents, Strong Acids,  
Explosive reactions may occur with strong oxidising agents.  
Violent heat producing reactions may occur with strong acids.

**Hazardous Decomposition:** Not Applicable.

**Polymerisation:** Will not polymerise.

## 11. TOXICOLOGICAL INFORMATION

### ZEOLITE

**Local Effects:** No toxicity data is available for this material.

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**Target Organs:** NA

### 12. ECOLOGICAL INFORMATION

**General Statement:** No known environmental effects.

**Ecotoxicity:** No specific information available for this product.

**Persistence and Degradability:** No specific information available for this product

**Mobility:** No specific information available for this product

### 13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority for disposal; show this MSDS for their consideration. When ZEOLITE is used to encapsulate dangerous chemicals and wastes, (other than hydrocarbons) check and arrange for a licensed registered disposal contractor to handle these type of wastes.

### 14. TRANSPORTATION INFORMATION

<b>UN No</b>	None allocated
<b>Proper Shipping Name</b>	None allocated
<b>ADG Code</b>	None allocated
<b>Sub Risk</b>	None allocated
<b>Packing Group</b>	None allocated
<b>Special Precautions</b>	None
<b>Hazchem Code</b>	None allocated
<b>EPG</b>	None allocated
<b>Segregations</b>	No

### 15. REGULATORY INFORMATION

**SUSDP Classification:** Not Scheduled.

**AICS:** All of the constituents of this material are listed on the ACIS.

### 16. OTHER INFORMATION

**Issue Date:** October 2008

**Reason(s) For Issue:** Initial

#### Labelling Details

No specific requirements

#### Abbreviations & Acronyms

**SUSPD:** Standard for the Uniform Scheduling of Drugs and Poisons

**ADG:** Australian Code for the Transport of Dangerous Goods by Road and rail

**N.O.S.** Not Otherwise Specified

**CAS No:** Chemical Abstracts Service Registry Number

**UN No:** United Nations Number

## Material Safety Data Sheet

**R-Phrases:** Risk Phrases

**S-Phrases:** Safety Phrases

**HAZCHEM Code:** Hazardous Chemical emergency action code

**NOHSC:** National Occupational Health and Safety Commission

**IARC:** International Agency for Research into Cancer

**ACIS:** Australian Inventory of Chemical Substances

**NTP:** National Toxicology Program (USA)

### Literary references:

Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(41999)]

National Code of Practice for the Preparation of Material Safety Data Sheets 2<sup>nd</sup> Edition [NOHSC: 2011(2003)]

Exposure Standards for Atmospheric Contaminants in the Occupational Environment

Guidance Note [NOHSC: 3008(1995)] National Exposure Standards [NOHSC: 10005(1999)]

List of Designated Hazardous Substances [NOHSC: 10005(1999)]

Standard for the Uniform Scheduling of Drugs and Poison No. 17

The Australian Code for the Transport of Dangerous Goods by Road and Rail EDITION 6

### Disclaimer

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product and in particular how to safely handle and use the product in the workplace.

Since Minehan Agencies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace i.e. a risk analysis.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Minehan Agencies Pty Ltd.