ZEOLITE

MATERIAL SAFETY DATA SHEET

Product Name: ZEOLITE **Date of Issue:** January 2017

SECTION 1 - Introductory & Company Details

Manufacturer's Name

Zeolite Australia Pty Ltd
ACN 000 038 497
ABN 61 000 038 497

Address: PO Box 6
Escott Road
Werris Creek NSW 2341

Contact Details: Phone: 02 6768 7080
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Email: info@zeolite.com.au

Product Name:	Zeolite	**Active Mineral Ingredient:**	Clinoptilolite
Chemical Family:	Aluminosilicate	**Formula:**	Not Relevant

CAS Number: 12173-10-3

Statement of Hazardous Nature:
Not classified as hazardous according to criteria of Worksafe Australia

SECTION II - Hazardous Ingredients

Paints, Preservatives & Solvents		**%**	**TLV Units**	**Alloys and Metallic Coatings**		**%**	**TLV Units**
Pigments	Not Relevant			**Basemetal**	Not Relevant		
Catalyst	Not Relevant			**Alloys**	Not Relevant		
Vehicle	Not Relevant			**Metallic Coatings**	Not Relevant		
Solvents	Not Relevant			**Filler + Coating or Core Flux**	Not Relevant		
Additives	Not Relevant			**Others**			
Others	Not Relevant						
Hazardous Mixtures of Other Liquids, Solids or Gases					Not Relevant		

SECTION III - Physical Data

Boiling Point (^oC)	Not Relevant	**Specific Gravity (H_2O = 1)**	1.5 - 1.7
Vapour Pressure (mm Mg)	Not Relevant	**Percent Volatile by Volume (%)**	0%
Vapour Density (Air=1)	Not Relevant	**Evaporation Rate**	Not Relevant
Solubility in Water	0		
Appearance	Coarse, Fine Gravels and Powder		

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method used)	Not Relevant	**Flammable Limits**	Not Relevant
Extinguishing Media	Not Relevant		
Special Fire Fighting Procedures		Non-Combustible	
Unusual Fire and Explosion Hazards		None	

SECTION V - Health Hazard Data

Detrimental Health Effects:

Only those associated with any finely ground powdered material in the area

Handling Precautions:

Breathing dust protection should be worn

Emergency and First Aid Procedures:

Move to fresh air, resuscitate, if necessary, seek medical advice

SECTION VI - Reactivity Data

Stability:	Unstable Stable	 **x**	**Conditions to Avoid:**	Not Relevant
Incompatibility (Materials to Avoid)			None	
Hazardous Decomposition Products			Not Relevant	
Hazardous Polymerisation:	May Occur Will Not Occur	 **x**	**Conditions to Avoid:**	Not Relevant

SECTION VII - Spill or Leak Procedures

Steps to be taken in case Material is Released or Spilled

No toxic effects. Clean up and recover as suitable.

Waste Disposal Method

Spills on the ground should be cleaned up in a manner which does not generate dust. Dispose of in a landfill or distribute thinly over any suitable cultivable land.

SECTION VIII - Special Protection Information

Respiratory Protection

Approved non-toxic respirators where dust is a problem.

Ventilation	**Local Exhuast Mechanical (General)**	**Special - Other**

Protective Gloves	Eye Protection
Not necessary but useful since powder is oil absorbent and drying	Safety glasses or goggles to prevent dust from entering eyes
Other Protective Equipment Not relevant	

SECTION IX - Special Precautions

Precautions to be taken in Handling and Storing

Should be handled in a manner that avoids generating excessive airborne dust.

Other Precautions

None

SECTION X – Stability and Reactivity

Stability: Stable under normal conditions of use.

Acid stability: 79,5%

Thermal stability: Up to 400℃

Conditions to Avoid: Not Applicable

Materials to Avoid: Strong Oxidizing Agents, such as fluorine, chlorine, trifluoride, and oxygen difluoride.

Hazardous decomposition: None

Hazardous decomp. products: None

Hazardous Polymerization: Will not occur

SECTION XI – Toxicological Information

Clinoptilolite is listed as generally regarded as safe by the United States Food and Drug Administration under Title 21 Food and Drugs Chapter 1 Department of Health and Human Services Subchapter B Food for Human Consumption Part 182 Generally Regarded as Safe Part C Anti-Caking Agents, 182.2729 Sodium calcium aluminosilicate, hydrated with a human tolerance level not exceeding 2%

The European Union has registered clinoptilolite under EU Community Register of Feed Additives Revision 25 2005 Reg (E.C.) No 2148/2004 Amended by (E.C) No 1980/2005, Binders, Anti Caking Agents & Coagulants E567 Clinoptilolite of Volcanic Origin

SECTION XII – Ecological Information

Zeolite is a natural mineral with no harmful environmental or ecological impact.

SECTION XIII – Disposal Considerations

Zeolite is safe to dispose to land application or landfill.

Where zeolite has been used to adsorb contaminants land application is not recommended and disposal options determined by the adsorbed material.

SECTION XIV – Transport Information

Zeolite is safe to transport when packaged and should be covered when hauled in bulk trucks. Zeolite is safe for shipment by sea when packaged and containerized.

SECTION XV – Regulatory Information

Not classified as dangerous

Warning sign: Handle in accordance with good operational hygiene and labour safety and health protection regulations.

SECTION XVI – Additional Information

N/A