

<b>ZEOLITE</b>	<b>MATERIAL SAFETY DATA SHEET</b>				
Product Name: ZEOLITE			Date of Issue: January 2019		
<b>SECTION 1 - Introductory &amp; Company Details</b>					
<b>Manufacturer's Name</b>					
<b>Zeolite Australia Pty Ltd</b> ACN 000 038 497 ABN 61 000 038 497					
<b>Address:</b>					
PO Box 6 Escott Road Werris Creek NSW 2341					
<b>Contact Details:</b>					
Phone: 02 6768 7080 Fax: 02 6768 7764 Email: <a href="mailto:info@zeolite.com.au">info@zeolite.com.au</a>					
<b>Product Name:</b> Zeolite		<b>Active Mineral Ingredient:</b> Clinoptilolite			
<b>Chemical Family:</b> Aluminosilicate		<b>Formula:</b> Not Relevant			
<b>CAS Number:</b> 12173-10-3					
<b>Statement of Hazardous Nature:</b> Not classified as hazardous according to criteria of Worksafe Australia					
<b>SECTION II - Hazardous Ingredients</b>					
<b>Paints, Preservatives &amp; Solvents</b>		<b>%</b>	<b>TLV Units</b>	<b>Alloys and Metallic Coatings</b>	
				<b>%</b>	<b>TLV Units</b>
<b>Pigments</b>	Not Relevant			<b>Basemetal</b>	Not Relevant
<b>Catalyst</b>	Not Relevant			<b>Alloys</b>	Not Relevant
<b>Vehicle</b>	Not Relevant			<b>Metallic Coatings</b>	Not Relevant
<b>Solvents</b>	Not Relevant			<b>Filler + Coating or Core Flux</b>	Not Relevant
<b>Additives</b>	Not Relevant			<b>Others</b>	
<b>Others</b>	Not Relevant				
<b>Hazardous Mixtures of Other Liquids, Solids or Gases</b>				Not Relevant	
<b>SECTION III - Physical Data</b>					
<b>Boiling Point (°C)</b>		Not Relevant		<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	
				1.5 - 1.7	
<b>Vapour Pressure (mm Mg)</b>		Not Relevant		<b>Percent Volatile by Volume (%)</b>	
				0%	
<b>Vapour Density (Air=1)</b>		Not Relevant		<b>Evaporation Rate</b>	
				Not Relevant	
<b>Solubility in Water</b>		0			
<b>Appearance</b>		Coarse, Fine Gravels and Powder			

<b>SECTION IV - Fire and Explosion Hazard Data</b>			
<b>Flash Point (Method used)</b>	Not Relevant	<b>Flammable Limits</b>	Not Relevant
<b>Extinguishing Media</b>	Not Relevant		
<b>Special Fire Fighting Procedures</b>	Non-Combustible		
<b>Unusual Fire and Explosion Hazards</b>	None		
<b>SECTION V - Health Hazard Data</b>			
<b>Detrimental Health Effects:</b> Only those associated with any finely ground powdered material in the area			
<b>Handling Precautions:</b> Breathing dust protection should be worn			
<b>Emergency and First Aid Procedures:</b> Move to fresh air, resuscitate, if necessary, seek medical advice			
<b>SECTION VI - Reactivity Data</b>			
<b>Stability:</b>	Unstable Stable	<input type="checkbox"/> <input checked="" type="checkbox"/>	<b>Conditions to Avoid:</b> Not Relevant
<b>Incompatibility (Materials to Avoid)</b>		None	
<b>Hazardous Decomposition Products</b>		Not Relevant	
<b>Hazardous Polymerisation:</b>	May Occur Will Not Occur	<input type="checkbox"/> <input checked="" type="checkbox"/>	<b>Conditions to Avoid:</b> Not Relevant
<b>SECTION VII - Spill or Leak Procedures</b>			
<b>Steps to be taken in case Material is Released or Spilled</b> No toxic effects. Clean up and recover as suitable.			
<b>Waste Disposal Method</b> 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.			
<b>SECTION VIII - Special Protection Information</b>			
<b>Respiratory Protection</b> Approved non-toxic respirators where dust is a problem.			
<b>Ventilation</b>	<b>Local Exhaust Mechanical (General)</b>	<b>Special - Other</b>	

<b>Protective Gloves</b> Not necessary but useful since powder is oil absorbent and drying	<b>Eye Protection</b> Safety glasses or goggles to prevent dust from entering eyes
<b>Other Protective Equipment</b>	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 °C

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