



## MATERIAL SAFETY DATA SHEET

**Product Name:** SEARLES ZEOLITE

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**Issued:** JAN 2001

**MSDS No.:** zeol01

**\*NOT CLASSIFIED AS HAZARDOUS\***  
**\*ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA\***

### 1. IDENTIFICATION

**Other Names:** No other name  
**Product Code:** 5ZEO; 25ZEO  
**UN Number:** None Allocated  
**Dangerous Goods Class:** None Allocated  
**Secondary Risk:** None Allocated  
**Hazchem Code:** None Allocated  
**Pack Group:** None Allocated  
**EPG:** None Allocated  
**Poisons Schedule:** None Allocated

**Uses:**

Used for gardens, hydroponics and other horticultural purposes.

#### 1.1 PHYSICAL DESCRIPTION / PROPERTIES

**Appearance:** Odourless, golden-brown concertina-shaped granules.  
**Boiling Point:** Not Available  
**Melting Point:** Not Available  
**Vapour Pressure:** Not Available  
**Specific Gravity:** 1.5 – 1.7 g/cm<sup>3</sup> (water = 1)  
**Flash Point (Test: Closed Cup):** Not Available  
**Flammability Limits (as % volume in air):** Not Available  
**Solubility in water:** Insoluble

#### 1.2 OTHER PROPERTIES

No data available

#### 1.3 INGREDIENTS

Chemical Entity	C.A.S. NO.	Proportion
Clinoptilolite (Chemical Family: Aluminosilicate)	–	100%



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### 2. HEALTH HAZARD INFORMATION

#### 2.1 HEALTH EFFECTS

##### *ACUTE*

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

**Swallowed:** Not harmful.

**Eye:** The dust may be irritating to the eyes resulting in redness and watering.

**Skin:** Frequent and prolonged contact may dry skin. No effect should occur if promptly washed off.

**Inhaled:** If present as high concentrations of airborne dust, prolonged contact may cause irritation to respiratory system.

##### *CHRONIC*

No evidence of adverse health effects has been reported from chronic exposure to this product.

#### 2.2 FIRST AID

**Swallowed:** DO NOT induce vomiting. Rinse mouth with water. Give several glasses of water to drink. If irritation occur seek medical attention.

**Eye:** Hold eyes open and flush thoroughly for 15 minutes with plenty of water. In all cases of eye contamination it is a sensible precaution to seek medical attention.

**Skin:** Wash thoroughly with mild soap and water. Remove and wash contaminated clothing before re-use. If irritation occurs seek medical attention.

**Inhaled:** Remove victim from exposure to fresh air – avoid becoming a casualty. Keep at rest until fully recovered. If symptoms persist seek medical attention.

#### 2.3 FIRST AID FACILITIES

No special facilities required.

#### 2.4 ADVICE TO DOCTOR

Treat symptomatically based on judgement of doctor and individual reactions of patient

#### 2.5 TOXICITY DATA

No toxicology data available



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### 3. PRECAUTIONS FOR USE

#### 3.1 EXPOSURE STANDARDS

The National Occupational Health and Safety Commission (NOHSC) (Worksafe Australia) have established no exposure standards for this product. Where no specific exposure standard has been assigned, the recommended exposure standard for dust in general shall be  $10\text{mg}/\text{m}^3$  measured as inspirable dust. The exposure limit is expressed as a time-weighted average (TWA) concentration over an 8-hour working shift, for a 5-day working week, and is the recommended exposure standard of Worksafe Australia.

#### 3.2 ENGINEERING CONTROLS

All work with this product should be carried out in such a way as to avoid skin contact and minimise exposure to dust. Maintain adequate exhaust ventilation to keep airborne concentrations below the permissible exposure limits. Avoid generating and inhaling dust and keep containers closed when not in use.

#### 3.3 PERSONAL PROTECTION

- Hygiene:** When using do not eat, drink or smoke. Wash hands thoroughly before smoking, eating or using toilet facilities.
- Respiratory:** Avoid inhaling dust. Where high concentrations of airborne dust are present, a dust respirator conforming to AS/NZS 1715 & 1716 should be worn
- Eyes:** Non-fogging dust resistant goggles or safety glasses (AS/NZS1336) should be worn if there is a risk of dust getting into the eyes.
- Hands:** Wear standard duty gloves (AS2161).
- Feet:** Wear safety boots or shoes.
- Skin:** Wear loose, comfortable long sleeved shirt and long trousers. Wash with mild soap and water immediately after working with this product. Launder work clothes regularly.

#### 3.4 FLAMMABILITY

Non-combustible material.



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### 4. SAFE HANDLING INFORMATION

#### 4.1 STORAGE / TRANSPORT

Not classified as a Dangerous Good by the ADG Code.  
Store in a cool dry place away from combustible materials, pesticides.

#### 4.2 PACKAGING AND LABELING

**Correct Shipping Name:** ZEOLITE  
**UN Number:** None Allocated  
**Dangerous Goods Class:** None Allocated  
**Secondary Risk:** None Allocated  
**Hazchem Code:** None Allocated  
**Pack Group:** None Allocated  
**EPG:** None Allocated  
**Poisons Schedule:** None Allocated

#### **Worksafe Risk and Safety Phrases**

Not Applicable

#### 4.3 SPILLS AND DISPOSAL

**Spills:** Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Vacuum or sweep up spills and shovel into suitable containers for re-use or disposal, but avoid generating dust. Broken packages should be added to the container. Wash down the spill area with large quantities of water. DO NOT contaminate streams, rivers, sewers or watercourses.

**Disposal:** Dispose of in accordance with all Local, State and Federal regulations an approved waste disposal facility.

#### 4.4 FIRE AND EXPLOSION HAZARD

**Fire / Explosion:** Non flammable.

**Extinguishing Media:** For fires involving this material, use any means suitable for extinguishing surrounding fire. Spray water on decomposing mass and fight fire from upwind; do not use more water than necessary. Decomposition may give rise to toxic and noxious fumes. Wear self-contained breathing apparatus (SCBA) if downwind, in a confined space or if in smoke or fumes. Contain run-off.



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### 5. OTHER INFORMATION

#### 5.1 SPECIAL PRECAUTIONS

No data available

#### 5.2 CONTACT POINTS

ORGANIZATION	LOCATION	TELEPHONE	ASK FOR
J.C. & A.T. Searle Pty Ltd Poisons Information Centre	Kilcoy Brisbane QLD	(07) 5497 2022 13 11 26	Technical Officer

#### 5.3 DISCLAIMER

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