



## **MATERIAL SAFETY DATA SHEET**

Freshwater Diatomite  
 Not classified as a hazardous substance according to the criteria of NOHSC

### **COMPANY DETAILS**

Name:	Diatomite Ozzy Solutions Pty Ltd
Address:	102 O'Sullivan Beach Rd, Lonsdale SA 5160
Telephone Number:	Not applicable
Mobile No:	0415 765 068

### **IDENTIFICATION OF SUBSTANCE**

Product Name:	House & Home Insect Shield
Other Names:	Diatomite, Diatomaceous Earth, DE, Amorphous silica
Physical Description:	Superfine < 20 μ

### **HAZARDS IDENTIFICATION**

Not classified as hazardous according to NOHSC criteria.  
 Not classified as dangerous goods according to the ADG code.

Must be stored under dry, well ventilated conditions.

### **COMPOSITION/INFORMATION ON INGREDIENTS**

Composition:	Diatomite is principally amorphous silica, a powdery non-metallic mineral composed of the fossilised skeletal remains of tiny phytoplankton called diatoms. The product contains less than 3% respirable crystalline silica.
Chemical:	Powder
Ingredients:	Diatomite, DE 84-94% CAS# 61790-53-2 Silica as quartz generally <4% CAS# 14808-60-7
Mineralogy:	Amorphous silica as diatom microfossils generally 84-94% quartz generally less than 4% kaolin and smectite group clays 3-9%

## **HEALTH HAZARD INFORMATION AND FIRST AID MEASURES**

Swallowed:	Diatomite is non-toxic. Wash out mouth with water. If irritation persists seek medical advice.
Eye:	Particles will irritate the eye as any other foreign body. If contact with eye(s) occurs, wash with water while holding eye lid(s) open. If irritation persists seek medical advice.
Skin:	Diatomite by nature is oil and water absorbent and will dry exposed skin. When handling diatomite powder, wear disposable gloves (nitrile or similar) to prevent over drying of hands
Inhaled:	If dust is created when handling this product, wear a suitable dust mask and ensure adequate ventilation. In the event of irritation, move the victim to fresh air. Drink a glass of water to clear throat and blow nose to evacuate dust. If irritation persists see a doctor.
First Aid Facilities:	Eye wash and normal washroom facilities.
Advice to Doctor:	Treat symptomatically. The hazard from this product is the same as from any fine inert dust. The product absorbs moisture and may cause dryness in contact with mucus membranes. Pre-existing upper respiratory and lung conditions such as bronchitis, emphysema or asthma may be aggravated by exposure to the dust.

## **PRECAUTIONS FOR USE**

Exposure Limits:	Due to low level of hazardous substances, this material is essentially non-toxic and non-hazardous. Exposure standards for nuisance dust apply.
Personal Protection:	If adequate ventilation is not available in a dusty environment, avoid breathing dust by wearing an AS 1716 approved particulate filter respirator. Reference: AS/NZS 1715/1716 standards publication.
Eye Protection:	The use of safety goggles or safety glasses with side shield protection is recommended.
Hand Protection:	The use of nitrile gloves is recommended.
Ventilation:	Natural ventilation should be sufficient, but a mechanical exhaust system is recommended if the product is being handled in a poorly ventilated area.
Flammability:	The material is not flammable. In the event of a surrounding fire, use appropriate fire extinguisher for the surrounding environment.

## **SAFE HANDLING INFORMATION**

Storage:	Keep Dry. The material is stable and should be stored in a dry well ventilated environment.
Spills and Disposal:	Increase Ventilation. Wear adequate respiratory protection and protective clothing and sweep up material avoiding dust generation. Dampen spilled material with water to avoid airborne dust, then transfer material to a suitable container. Prevent the discarded material from entering a waterway or sewer. Dispose of any contaminated material in an approved facility such as a municipal landfill.
Fire/Explosion Hazard:	None

## **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Light grey granules or dust.
Odour:	No odour
Melting Point:	1500 Degrees C (approx.)
Boiling Point:	Not Applicable
Solubility in water:	Insoluble
Specific Gravity:	Approx. 0.4
Vapour Pressure:	Not applicable
Flash Point:	Not applicable
Flammability:	Not flammable

## **CONTACT POINT**

Further information can be obtained from the supplier, website or the following telephone numbers:

Website:	<a href="http://www.deozzy.com">www.deozzy.com</a>
Phone Number:	0427 890 181