

## MATERIAL SAFETY DATA SHEET

**PRODUCT:** ECOTEL 2,5 %  
**REG. NO. (Act 36/1947):** G3162  
**REGISTRATION HOLDER:** Eco Animal Health Southern Africa (Pty) Ltd  
**DISTRIBUTED BY:** Afrivet Business Management (Pty) Limited  
**ADDRESS:** PO Box 2009, FAERIE GLEN 0043, R.S.A.  
+27 (012) 991 6416 Fax: (012) 991 6417

### 2. COMPOSITION/INFORMATION OF INGREDIENTS

Product	Percentage	CAS No
Praziquantel	2,5%	55268-74-1

### 3. HAZARD IDENTIFICATION

No particular hazards known.

### 4. FIRST-AID MEASURES

**General information:** Remove patient from the danger zone. If there is a risk of unconsciousness, position and transport in a stable lateral position. Remove soiled or soaked clothing immediately.

**Skin contact:** Wash skin immediately with copious amounts of water and soap.

**Eye contact:** Rinse eyes thoroughly with water. Consult an eye specialist.

**Ingestion:** Get immediate medical attention.

### 5. FIRE FIGHTING MEASURES

**Extinguishing Media:**

Sprayed water jet, foam, extinguishing powder, CO<sub>2</sub>, sand.

**Special firefighting procedures:**

Fight fire in early stages if safe to do so. Wear respiratory protection. Well ventilated areas: full face mask with combination filter, e.g. ABEK-P2 (offers no protection from carbon monoxide). Enclosed premises: respirator with independent air supply. In the event of fire, the formation of hydrogen cyanide, carbon monoxide and nitrogen oxides must be anticipated.

### 6. ACCIDENTAL RELEASE MEASURES

Use the personal protective equipment listed in Chapter 8. Do not empty into drains or waters. Take up spilled product with dust-binding material or suitable vacuum cleaner. Avoid formation of dust. Fill materials taken up into closable container. To clean the floor and all objects contaminated by this material, use a damp cloth. Place all used cleaning materials into a closable receptacle.

### 7. HANDLING AND STORAGE

**Information on safe handling:**

Suitable container materials: HDPE, LDPE. When using open containers, use local exhaust ventilation to prevent dusts from spreading. Make provision for product and fire-fighting water to be retained.

**Information on fire and explosion prevention:**

Take precautions to prevent formation of explosive mixtures: keep away from sources of ignition – no smoking.

Follow explosion protection guidelines.

Keep container tightly closed.

Prevent formation of dust deposits and whirling-up of dust.

### 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Exposure controls/personal protection:**

For technical protective measures to limit exposure see Chapter 7 "Handling and Storage".

Workplace related thresholds are listed in Chapter "Regulations".

**Respiratory protection:** Fine dust mask (Class P1).

**Hand protection:** Protective gloves for chemicals.

**Eye protection:** Goggles.

### 9. PHYSICAL AND CHEMICAL PROPERTIES (Praziquantel)

**Form:** Solid, powder

**Colour:** White

**Odour:** Slight characteristic smell

**pH value:** 7 at 100 g/l water at 20 °C

**Melting range:** 136 – 140 °C

**Bulk density:** ± 0,150 kg/l

**Solubility in water:** 0,4 g/l at 20 °C i.e. very hardly soluble

In ethanol – 97 g/L at 25 °C

**Solid products combustibility:** BZ 2 = brief ignition and rapid extinction (VDI 2263)

**Spontaneous flammability:** Not spontaneously flammable (EEC method A-16)

### 10. STABILITY AND REACTIVITY

Unkown.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** LD<sub>50</sub> Oral Rat: 2 840 mg/kg (Merck)  
Irritant to the mucous membranes/rabbit: slightly irritant (Merck)

## 12. ECOLOGICAL INFORMATION

### Fish:

LC<sub>0</sub>: 31,6 mg/l (96 h) Zebra barbel  
LC<sub>100</sub>: 100 mg/l (96 h) Zebra barbel

### Daphnia:

EC<sub>0</sub>: 35 MG/l (48 h) Water flea  
EC<sub>100</sub>: 100 mg/l (48 h) Water flea

### Bacteria:

EC<sub>50</sub>: 1 000 mg/l (48 h) activated sludge

### Biological degradability:

0 % after 28 days

### Water pollution class:

Slightly hazardous to water

## 13. DISPOSAL CONSIDERATION

Stop source of spillage. Keep area well ventilated. Dyke up spillage and clear area. Pump up product or put absorbent material on product to absorb it. Shovel up spillage into containers and seal. Contact waste removal contractor for disposal.

## 14. TRANSPORT INFORMATION (Praziquantel)

**DOT Classification:** Not a DOT controlled material (United States).

**Identification:** Not applicable.

**Special Provisions for Transport:** Not applicable.

## 15. REGULATORY INFORMATION (Praziquantel)

Einecs No: 259-559-6  
UN No: Not allocated  
Hazchem code: Not allocated

This product is not classified as hazardous but consist of a small percentage of Praziquantel that is used in pesticides. In the absence of specific regulatory data for this product, all local and national regulations regarding the Hazardous Chemical Substance Act should be adhered to.

## 16. OTHER INFORMATION

**Disclaimer.** The information of this sheet corresponds to the actual level of our knowledge. This information is not a product specification and cannot be a base for contractual use. No responsibility is accepted for errors or omissions or the consequences thereof. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain whether a new danger may occur. It is the responsibility of persons in receipt of this MSDS to ensure that all people who may use, handle, dispose or in any way come in contact with the product understands this information.