



Plant Health Products (Pty) Ltd

PO Box 207, Nottingham Road, South Africa, 3280

Tel/Fax: +27-33-266 6130

E-mail: mike@plant-health.co.za

Website: www.plant-health.co.za

MATERIAL SAFETY DATA SHEET

Product Name: Eco-T Ezi-Flo

1. Product and Company Identification

Supplier: Plant Health Products (Pty) Ltd
P.O. Box 207
Nottingham Road 3280
South Africa
Telephone no.: 27 (0)33 2666130
Fax. No.: 27 (0)33 2666130

2. Composition/Information on Ingredients

Product description: Fungus (*Trichoderma harzianum* strain kd) spores (live) in an inert talc plus graphite carrier
Dangerous ingredients: None

3. Hazards Identification

Important hazards: None

4. First Aid Measures

Inhalation: Remove to fresh air. See a doctor if an allergic reaction occurs
Skin Contact: Immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes
Eye Contact: Flush with water
Ingestion: Drink water

5. Fire Fighting Measures

Type of material: Non-combustible solid
Extinguishing Media: Water, Foam, Carbon dioxide, etc
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide

6. Accidental Release Measures

- Environmental precautions:** Avoid infiltration of large volumes into drains, surface water, groundwater and soil.
- Personal precautions:** Respiratory protection and safety goggles are recommended.
- Destruction and clean up:** Ventilate area. Sweep or vacuum, without creating dust, into a suitable container for disposal and wash area with water.
-

7. Handling and Storage

- Handling:** Ensure adequate ventilation when handling.
Respiratory protection is recommended.
- Storage:** Must be stored under cool, dry conditions between 5 and 20°C (Preferably 10°C)
- Incompatible materials:** Fungicides, oxidizing agents and all toxic materials.
-

8. Exposure Controls/ Personal Protection

- TLV:** 2 mg/m³
- Technical measures/precautions:** Adequate ventilation
- Personal protection**
- Respiratory Protection:** Respiratory protection is recommended.
- Hand protection:** The product is not a skin irritant.
- Eye Protection:** The product may cause slight eye irritation. Safety goggles are recommended.
- Skin and body protection:** The product is not a skin irritant although an allergic reaction may occur in sensitive people.
-

9. Physical and Chemical Properties

- Physical state:** Powder
- Colour:** Grey
- Odour:** Very slight mushroomy odour
- pH** 5
- Dry matter:** approx 1 - 2%
- Density:** Approx 0,7g/cc
- Solubility:** Insoluble
- Solubility in organic solvents:** Insoluble
- Partition coefficient:** Not applicable
- Vapour pressure:** Not applicable
- Boiling point:** Not applicable
- Melting point:** Not available
- Flash point:** Not flammable
- Explosive properties:** Not explosive
- Auto-ignition temp:** Not available
-

10. Stability and Reactivity

The fungal spores lose viability with time. An expiry date of six months is stamped on each container. Storage below 20°C and above 5°C.

Hazardous decomposition products:	None identified
Materials to avoid:	Fungicides and toxic compounds
Conditions to avoid:	Minimize dust formation. Avoid very low or high temperatures.

11. Toxicological Information

LD₅₀:	>5000mg. <i>Trichoderma harzianum</i> strains are not toxic or pathogenic at 1 x 10 ⁸ cfu per test mouse.
Local effects	May cause allergic reaction in sensitive persons
Skin irritant:	Does not cause skin irritation
Eye irritant:	May cause slight eye irritation

12. Ecological Information

Fish toxicity:	No known toxicity
Biodegradability:	The fungal spores are biodegradable. The talc/graphite carrier is an inert substance.

13. Disposal Considerations

The product may safely be disposed of in a land-fill.

14. Transport Information

There are no transport regulations for this product.

15. Regulatory Information

Symbol:	Not applicable to a living organism
Risk Phrases:	None – None toxic
Safety Phrases:	Keep locked up and out of reach of children, uninformed persons and animals Avoid inhalation of the dust Wash hands after use
National Legislation:	Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act (Act 36 of 1947)

16. Packing and Labelling

Product is packaged in 4kg plastic buckets. The buckets are labelled according to South African regulations and guidelines (Act 36 of 1947).

17. Other Information

The information contained in this fact sheet is partly derived from the information in the talc and graphite safety data sheets, from information available regarding strain kd of *Trichoderma harzianum* and from data relating to other strains of *Trichoderma*.

All information provided in this Material Safety Data Sheet (MSDS) is based on the current state of scientific and technical knowledge and is presented in good faith and believed to be correct. It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come into contact with this product.

Plant Health Products (Pty) Ltd makes no representation or warranties, either expressed or implied, including without limitation any warranties of merchant ability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, Plant Health Products (Pty) Ltd will not be responsible for damages resulting from use of or reliance upon this information.
