

Section 1 Identification of the mixture and of the company
1.1 Product identifier

Product name Eco-T
 Synonyms T-Gro; T-Protec

1.2 Relevant identified uses of the mixture and uses advised against

Use of the product Biostimulant & biofungicide
 Uses advised against

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer Andermatt PHP (Pty) Ltd
 Address P.O. Box 207
 Nottingham Road 3280
 KwaZulu-Natal, South Africa
 Phone +27 33 2666130
 E-mail info@andermatt-php.co.za

1.4 Emergency telephone number

Phone (medical) +27 861555777 (South African Poison Information Centre)

Section 2 Hazards identification
2.1 Classification of the mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

2.2 Label elements

Store locked up and keep out of the reach of children
 If medical advice is needed, have product container or label at hand
 Read label before use
 Contains *Trichoderma asperellum* spores. May produce an allergic reaction in sensitive persons
 Do not breath dust.

2.3 Other hazards

This mixture does not contain any substances, which are persistent, bioaccumulative and toxic (PBT). This mixture does not contain any substances which are very persistent and very bioaccumulative (vPvB).

Section 3 Composition/information on ingredients
3.1 Substances

This product is a mixture

3.2 Mixtures

Trichoderma asperellum strain kd spores in an inert carrier
 No hazardous component according to Regulation (EC) No 1272/2008 [CLP].

Section 4 First aid measures
4.1 Description of first aid measures

General notes Change any contaminated or wetted clothing at once.
 If poisoning occurs contact a doctor or Swiss Toxicology Centre.
 Following inhalation Move to fresh air, rest, half upright position, loosen clothing.
 Oxygen or artificial respiration if there is difficulty in breathing.
 Seek medical advice after significant exposure. Symptomatic treatment is advised.

Following skin contact	Remove contaminated clothing. Seek medical advice if irritation develops. Launder clothes before reuse. After contact with skin, wash immediately with plenty of water.
Following eye contact	Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation develops.
Following ingestion	No typical symptoms and affects known. Drink water.
Advice to physician	Symptomatic treatment
4.2 Most important symptoms and effects, both acute and delayed	No typical symptoms and effects known.
4.3 Indication of any immediate medical attention and special treatment needed	None
Section 5 Firefighting measures	
5.1 Extinguishing media	
Suitable extinguishing media	Water, Foam, Carbon dioxide
Unsuitable extinguishing media	None
5.2 Special hazards arising from the mixture	Carbon monoxide, carbon dioxide
5.3 Advice for firefighters	None
Section 6 Accidental release measures	
6.1 Personal precautions, protective equipment and emergency procedures	Use protective clothing, chemical- resistant gloves, safety goggles and boots. Do not inhale.
6.2 Environmental precautions	Prevent entry into drains, waters, sewages etc. of the product; contact immediately the municipal technical management if the product enters such bodies.
6.3 Methods and material for containment and cleaning up	Sweep or vacuum, without creating dust, into a suitable container for disposal and wash area with water.
6.4 Reference to other sections	See personal protective equipment under Section 8 of SDS.
Section 7 Handling and storage	
7.1 Precautions for safe handling	The usual precautions for handling chemicals should be observed. Ensure adequate ventilation when handling. Respiratory protection is recommended.
7.2 Conditions for safe storage, including any incompatibilities	Must be stored under cool, dry conditions between 4 and 10°C. Avoid contact with fungicides and all toxic materials.
7.3 Specific end use(s)	Biostimulant and biofungicide
Section 8 Exposure controls/personal protection	
8.1 Control parameters	The usual precautionary measures for handling chemicals should be observed. Provide adequate ventilation.

8.2 Exposure controls

Eye/face protection	Wear a face shield or goggles
Skin protection	Use protective clothing, chemical-resistant gloves and boots
Respiratory protection	Respiratory protection is recommended
Thermal hazards	No specific recommendations
Other information	None

Section 9 Physical and chemical properties
9.1 Information on basic physical and chemical properties

Physical state	Powder
Colour	Light green/grey
Odour	Very slight mushroomy odour
Odour threshold	Not determined
pH	5
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not applicable
Flash point	Not flammable
Evaporation rate	Not determined
Flammability	Not flammable
Upper/lower flammability or explosive limits	Not flammable
Vapour pressure	Not applicable
Vapour density	Not relevant
Relative density	0.7 (g/cm ³)
Solubility(ies)	Insoluble
Partition coefficient: n-cotanol/water	Not applicable
Auto-ignition temperature	Not available
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not explosive
Oxidising properties	Not determined

9.2 Other information

None

Section 10 Stability and Reactivity
10.1 Reactivity

Not reactive

10.2 Chemical stability

No decomposition if stored and handled properly

10.3 Possibility of hazardous reactions

Not relevant

10.4 Conditions to avoid

Minimize dust formation. Avoid very low or very high temperatures.

10.5 Incompatible materials

Fungicides and toxic compounds.

10.6 Hazardous decomposition products

None

Section 11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity	Mouse, 1×10^8 cfu/animal, not toxic or pathogenic
Skin corrosion/irritation	Not determined
Serious eye damage/irritation	Not determined
Respiratory or skin sensitization	Not determined
Germ cell mutagenicity	Not determined
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Aspiration hazard	Not relevant

Section 12 Ecological information
12.1 Toxicity
Acute (short-term) toxicity

Fish	Not determined
Crustacea	Not determined
Algae/aquatic plants	Not determined
Other organisms	Not determined

Chronic (long-term) toxicity

Fish	Not determined
Crustacea	Not determined
Algae/aquatic plants	Not determined
Other organisms	Not determined

12.2 Persistence and degradability

Abiotic Degradation	Not determined
Physical- and photo-chemical elimination	Not determined
Biodegradation	Biodegradable

12.3 Bioaccumulative potential

Octanol/water partition coefficient (Kow)	Not determined
Bioconcentration factor (BCF)	Not determined

12.4 Mobility in soil

Known or predicted distribution to environmental compartments	Not determined
Surface tension	Not determined
Adsorption/Desorption	Not determined

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Other adverse effects

None

12.7 Additional information

None

Section 13 Disposal considerations

13.1 Waste treatment methods

Product/Packaging disposal	Use pressure rinsing devices or triple rinsing with water to reduce any product residues in the container to insignificant levels. Don't dispose product or containers on ponds, rivers or ditches. Don't re-use containers for other purposes. Waste disposal and recycling contractors will take cleaned containers. Waste resulting from the use of the product must be disposed on site or on an approved waste disposal facility. Empty the sprayer out in the field being treated by spraying out on to a relatively pest free part of the field left unsprayed or under-dosed for the crop.
Waste codes/waste designations	Not applicable
Waste treatment-relevant information	None
Sewage disposal-relevant information	Waste should not be disposed of by release to sewers
Other disposal recommendations	None

Section 14 Transport Information

Inland transport	Not restricted
Sea transport	Not restricted
Air transport	Not restricted

Section 15 Regulatory information
15.1 Safety, health and environmental regulations/legislation specific for the mixture

Authorisations	Not relevant
Restrictions on use	Not relevant

15.2 Chemical Safety Assessment

Advice on product handling can be found in sections 7 and 8 of this SDS.

Section 16 Other information

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.