

MATERIAL SAFETY DATA SHEET



1. PRODUCT AND COMPANY IDENTIFICATION

General Use: Fungicide

Common name: T34 Biocontrol®

Marketing company: Fargro Ltd. Toddington lane Littlehampton, West Sussex, BN17 7PP Tel: 01903 721591 Email: info@fargro.co.uk	 Manufacturer: Biocontrol Technologies, S.L. Avgda. Madrid, 215-217, entresòl A 08014 Barcelona, Spain Tel. +34-934091848/ +34-934091849 Email: biocontrol@biocontroltech.com	
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Emergency telephone number:

01903 721591

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

INHALATION: May cause sensitization by inhalation

EYE CONTACT: Not irritant

SKIN CONTACT: Not irritant, may cause sensitisation by skin contact

INGESTION: Not toxic

CHRONIC: Not applicable

CARCINOGENICITY: T34 Biocontrol® does not have carcinogenic ingredients

3. COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENTS

Naturally occurring soil fungus; *Trichoderma asperellum* strain T34: 10.83% w/w (naturally occurring strain) and inert ingredients.

The product contains a minimum of 1×10^{12} colony forming units per Kg of dry weight.

4. EMERGENCY AND FIRST AID MEASURES

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a doctor.

SKIN CONTACT: Remove contaminated clothing. Wash thoroughly with soap and water immediately. Get medical attention if irritation develops.

EYE CONTACT: In cases of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a doctor.

INGESTION: If swallowed, do not induce vomiting. Wash the mouth thoroughly with water. Call a doctor.

5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable

AUTOIGNITION TEMPERATURE: The product is not combustible.

EXTINGUISHING MEDIA: Not combustible, by itself. Use carbon dioxide or water spray.

SPECIAL FIRE-FIGHTING PROCEDURES: Evacuate personnel to a safe area. Keep personnel away and upwind of fire. Wear self-contained breathing apparatus, eye protection and full protective equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition will produce oxides of carbon, and silicon.

6. ACCIDENTAL RELEASE MEASURES

GENERAL: Take all additional action necessary to prevent and remedy the adverse affects of the spill. This product should be prevented from entering bodies of water.

SPECIFIC: In case of spill, collect material immediately with absorbent material and place it in a secure container for disposal. Wipe residual material from surfaces with cloth. Do not wash residues into drains or other waterways. Inform the local authorities in case of spillage affecting lakes, rivers, drains or drinking water.

7. HANDLING AND STORAGE

HANDLING:

Wear protective clothing (coveralls), protective gloves and eye protection. Wear respiratory protective equipment (disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent) when handling the product or applying the product. Avoid contact with skin and eyes. Wash hands and exposed skin before eating and drinking, smoking and after work. Remove contaminated clothing and wash before reuse.

STORAGE:

Store in original container in a dry place. Store at a temperature not exceeding 4°C. Store in a suitable pesticide store. Store away from food, drink and animal feeding stuffs. Keep out of reach of children. Keep only in original container. Keep container tightly closed when not in use.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

PERSONAL PROTECTION

RESPIRATORY: Use a protective mask (disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent) to avoid breathing the dust, when opening the bags or other operations where dust may be created.

PROTECTIVE GLOVES: Use protective, waterproof gloves. Wash the outer part of the glove before taking them off.

EYES PROTECTION: eye protective is not required, although it is recommended to avoid contact with the eyes.

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OTHERS: wear suitable coverall and waterproof/wellington boots. Wash hands and exposed skin before eating and drinking, smoking and after work. Remove contaminated clothing and wash separately from other clothes before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Greenish-grey powder

VAPOR PRESSURE: Not applicable

SOLUBILITY IN WATER: Insoluble but highly suspendable

BOILING POINT: Not applicable

ODOUR: No odour

DENSITY: 0.17 g / cm³

MELTING POINT: Not applicable

VISCOSITY: Not applicable

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal recommended storage and handling conditions.

HAZARDOUS POLYMERIZATION: It does not occur.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Thermal decomposition will produce oxides of carbon and silicon.

11. TOXICOLOGICAL INFORMATION

The product is practically non-toxic, non-allergenic and non-pathogenic to mammals.

SKIN IRRITATION: Not irritant

EYE IRRITATION: Not irritant

INGESTION: Not toxic.

SENSITIZATION: It may cause sensitization by inhalation and skin contact

REPRODUCTIVE: Unknown effects

INHALATION: It may cause sensitization by inhalation

12. ECOLOGICAL INFORMATION

It is a natural organism isolated from nature, and there is no scientific available data demonstrating that the genus *Trichoderma* produces ecological alterations.

13. DISPOSAL CONSIDERATIONS

Waste resulting from the use of this product may be disposed of in accordance with the approved codes of practice for pesticide use or at an approved waste disposal facility. Treatment, storage, transport and destruction of the product must abide state, autonomy or province regulations.

14. TRANSPORT INFORMATION

Not dangerous for transport according to ADR/RID, IMO and IATA.

15. REGULATORY INFORMATION

Hazard symbol: None

Hazard statements: None

Precautionary Statements

P233 KEEP CONTAINER TIGHTLY CLOSED.

P102 KEEP OUT OF THE REACH OF CHILDREN.

P260 DO NOT BREATHE DUST or SPRAY.

P280 WEAR PROTECTIVE GLOVES / PROTECTIVE CLOTHING / EYE PROTECTION / FACE PROTECTION.

P314 GET MEDICAL ADVICE / ATTENTION IF YOU FEEL UNWELL.

P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Supplementary Statements

Contains microorganisms. May produce an allergic reaction.

To avoid risks to human health and the environment comply with the instructions for use.

OPERATOR SAFETY PRECAUTIONS FROM APPROVED PRODUCT LABEL:

Wear protective gloves / protective clothing / eye protection / face protection

Wear respiratory protection * when handling the product or applying the product. *Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent.

Wash hands / exposed skin thoroughly after handling.

IF ON SKIN: rinse skin with water/shower.

IF IN EYES: rinse continuously with water for several minutes.

Don't eat, drink or smoke when using this product.

Get medical advice if you feel unwell.

Storage and disposal

Store in a dry place. Store at temperature not exceeding 4°C.

Store in a suitable pesticide store. Store away from food, drink and animal feeding stuffs.

Keep out of reach of children. Keep only in original container. Keep container tightly closed.

Wash out container thoroughly, empty washings in to spray tank and dispose of safely.

Environmental protection

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

16. OTHER INFORMATION

This information was developed from information on the constituent materials in reference to safety and health. No warranty is expressed or implied regarding the completeness or continuing accuracy of the information contained herein, and company disclaims all liability for reliance thereon. The users should satisfy himself that he has all current data relevant to his particular use.