



## SAFETY DATA SHEET

Version: 1 - Revision date: April 9th, 2015

# ASPERELLO T34 Biocontrol

### 1. PRODUCT AND COMPANY IDENTIFICATION

**General Use:** Biological Fungicide, WP  
**Common name:** ASPERELLO T34 Biocontrol

**Marketing company:**

BIOBEST USA Inc.

28529 Goddard Road, Suite 100

Romulus, MI 48174, USA

Tel: 1 (855) 224-6237

Email: info@biobest-usa.com

**Emergency telephone number:**

For emergency information, call the **National Pesticides Information Center** at **1-800-858-7378**, 6:30 AM to 4:30 PM Pacific Time (PT), seven days a week. During other times, call the **poison control center 1-800-222-1222**. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

### 2. HAZARDS IDENTIFICATION

**POTENTIAL HEALTH EFFECTS:**

**INHALATION:** Inhalation of dust may cause sensitization in some individuals

**SKIN/EYE CONTACT:** Direct contact with skin or eyes may cause sensitization in some individuals

**INGESTION:** Not toxic

**CHRONIC:** No known effects

**CARCINOGENICITY:** ASPERELLO T34 Biocontrol does not contain carcinogenic ingredients

### 3. COMPOSITION, INFORMATION ON INGREDIENTS

**COMPONENTS**

Naturally occurring soil fungus; *Trichoderma asperellum* strain T34: 12.0% w/w (naturally occurring strain) and inert ingredients.

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

### 4. EMERGENCY AND FIRST AID MEASURES

**GENERAL:** Remove from source of exposure. If sensitization/irritation or other signs of toxicity occur, seek medical attention.

**INHALATION:** If inhaled, move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**SKIN CONTACT:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor.

**EYE CONTACT:** In cases of contact, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**INGESTION:** If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

### 5. FIRE FIGHTING MEASURES

**FLASH POINT:** Not applicable

**AUTOIGNITION TEMPERATURE:** 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 effects of the spill. This product should be prevented from entering bodies of water.

**SPECIFIC:** Avoid generating dust during clean up. 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.

**PERSONAL PRECAUTIONS:** Wear suitable protective clothing such as long-sleeved shirt, pants, waterproof gloves and shoes with socks. If conditions warrant, use a respirator, safety goggles or face shield, and chemical-resistant boots.

### 7. HANDLING AND STORAGE

**HANDLING:**

Use handling procedures that minimize formation of dust. Wear suitable protective clothing (coveralls), suitable protective gloves and suitable respiratory protective equipment (dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95). Avoid contact with skin and eyes. Avoid inhalation of dust. Wash hands and exposed skin before eating and drinking, smoking or using the toilet and after work. Remove contaminated clothing and wash before reuse.

## SAFETY DATA SHEET

Version: 1 - Revision date: April 9th, 2015

### STORAGE:

Store in original container in a cool, dry place at a temperature of 40°F (4°C). Do not store near food or feed commodities. Prevent exposure to moisture. Keep container tightly closed when not in use.

### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

#### PERSONAL PROTECTION

**RESPIRATORY:** Use suitable protective equipment (dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95) 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 protection (safety glasses with side shields) is recommended to avoid contact with the eyes.

**OTHERS:** wear suitable coverall and waterproof/wellington boots. Wash hands and exposed skin before eating and drinking, smoking or using the toilet 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 / ml

**MELTING POINT:** Not applicable

**VISCOSITY:** Not applicable

### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal recommended storage and handling conditions.

**HAZARDOUS POLYMERIZATION:** 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:** Can be mildly irritating.

**INGESTION:** Not toxic.

**SENSITIZATION:** It may cause sensitization by inhalation and skin contact

**REPRODUCTIVE:** No known 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

**Registration information: UNITED STATES:** EPA Reg. No: 87301-1

This pesticide product is registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other information, including direction for use.

**Hazards to Humans and Domestic Animals – CAUTION.** Causes moderate eye irritation. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Harmful if inhaled. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

### 16. OTHER INFORMATION

#### DISCLAIMER AND LIMITATION OF LIABILITY

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 user should satisfy himself that he has all current data relevant to his particular use.