

**MATERIAL SAFETY DATA SHEET**  
**COMPANION ® LIQUID BIOLOGICAL FUNGICIDE**

**Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Company : Growth Products, Ltd.  
P.O. Box 1252  
White Plains, NY 10602  
Phone Number: 800-648-7626  
Chemical Name / Common Name: Bacillus subtilis GB03  
EPA Registration No. 71065 -3  
Product Use: Biological Fungicide

**Section 2 – HAZARDOUS INGREDIENTS**

**% ACTIVE INGREDIENT:** Bacillus subtilis GB03 0.03% **CAS#:** 68038-70-0  
**% OTHER INGREDIENTS:** Trade Secret 99.97% **CAS#** None

**Section 3 – PHYSICAL DATA**

Appearance:	Thick Solution	Evaporation Rate:	Same as Water
Color:	Medium Brown	Boiling Point:	212 Deg. F
Odor:	Organic Sweet Odor	Freezing Point:	20 Deg. F
Weight Per Gallon:	9.8 lbs. at 21C	Viscosity:	32 Cps @21 Deg. C.
Storage Life at 70F:	>18 Months	Flash Point/Method:	Noncombustible
pH – 21C:	5.5	Vapor Pressure:	N/A
Water Solubility:	Completely Miscible		

**Section 4 – FIRE AND EXPLOSION HAZARD**

Flash Point	Noncombustible
Flammable Limit	N/A
Extinguishing Media	Does Not Burn
Special Fire Fighting Procedures	None
Unusual Fire and Explosion Hazards	None

**Section 5 – HEALTH HAZARD INFORMATION**

**EFFECTS OF OVEREXPOSURE ACUTE (SHORT TERM EXPOSURE):**

Repeated contact may cause moderate irritation and dermal and respiratory sensitization

**CHRONIC (LONG TERM EXPOSURE):**

None known

**Section 6 – Emergency and First Aid Procedures**

**INHALATION:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

**EYE CONTACT:** Flush eyes with plenty of water. Call a physician if irritation persists

**SKIN CONTACT:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**Section 7: TOXICITY INFORMATION**

**ACUTE TOXICITY (LETHAL DOSES)**

**DERMAL LD<sub>50</sub>:** 0.5 ml dose level for rabbits  
**ORAL LD<sub>50</sub>:** 5000 mg/kg dosage level for rats

**ACUTE TOXICITY (IRRITATION, SENSITIZATION)**

**EFFECTS TO EYES:** No corneal or iridal effects were noted at a dose of 0.1 ml for rabbits  
**EFFECTS TO INGESTION:** Non toxic or pathogenic  
**EFFECTS TO SKIN:** Moderate irritation, reversible within 7 days  
**CARCINOGENICITY DATE:** N/E

**Section 8: REACTIVITY DATA**

**STABILITY:** Stable  
**CONDITIONS TO AVOID:** N/E  
**HAZARDOUS DECOMPOSITION PRODUCTS OF DRY MATERIAL:** CO, CO<sub>2</sub>, NH<sub>3</sub>  
**HAZARDOUS POLMERIZATION:** Will not occur

**Section 9: SPECIAL PROTECTION INFORMATION**

**PROTECTIVE GLOVES:** Waterproof Gloves  
**EYE PROTECTION:** None  
**OTHER PROTECTION:** Long sleeved shirt  
**RESPIRATORY PROTECTION OR REQUIRED VENTILATION:**  
Wear NIOSH approved dust respirator

**Section 10 – SPILL AND LEAK PROCEDURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**  
Prevent product from entering drinking water supplies. Collect liquid or solidify with absorbent material and package for disposal according to local, state, and federal regulations.  
**WASTE DISPOSAL PRECEDURES:**  
This product is likely to have a pH less than 8.5 and would not be considered a federal hazardous waste according to EPA regulation 40CFR 261. Dispose in accordance with state and local regulation.  
**REPORTABLE QUANTITY UNDER CERCLA:** N/A

**Section 11 – STORAGE AND HANDLING INFORMATION**

**STORAGE TEMPERATURE:**  
MAX 100° F MIN 32° F INDOOR  OUTDOOR  REFRIG.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**  
Store in a dry place out of direct sunlight and away from heat sources. Keep from overheating or freezing.

**Section 12 – TRANSPORTATION INFORMATION**

**DOT UN STATUS:** This material is not regulated hazardous material for transportation

**OTHER PRECAUTIONS:**  
Read entire label before using

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**ABBREVIATIONS:** N/E – NOT ESTABLISHED N/A – NOT APPLICABLE