

MATERIAL SAFETY DATA SHEET
COMPANION® LIQUID BIOLOGICAL FUNGICIDE FOR GREENHOUSE USE

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 subtilus GB03
EPA Registration No.	71065 -1
Product Use:	Biological Fungicide

Section 2 – HAZARDOUS INGREDIENTS

% ACTIVE INGREDIENT: Bacillus subtilus 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 LD₅₀: 0.5 ml dose level for rabbits

ORAL LD₅₀: 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, CO₂, NH₃

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.

OTHER PRECAUTIONS:

Read entire label before using

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ABBREVIATIONS: N/E – NOT ESTABLISHED

N/A – NOT APPLICABLE