



# SAFETY DATA SHEET

## Companion® Liquid Biological Fungicide

NFPA	HMIS	WHMIS	TDG	DOT												
	<table border="1"> <tr> <td>Health</td> <td>minimal</td> <td>0</td> </tr> <tr> <td>Flammability</td> <td>minimal</td> <td>0</td> </tr> <tr> <td>Physical Hazard</td> <td>minimal</td> <td>0</td> </tr> <tr> <td>Personal Protection</td> <td></td> <td>B</td> </tr> </table>	Health	minimal	0	Flammability	minimal	0	Physical Hazard	minimal	0	Personal Protection		B			
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### Section 1 - IDENTIFICATION

<b>Product Name:</b>	Companion® Liquid Biological Fungicide
<b>Synonyms:</b>	N/A
<b>Recommended Use:</b>	Biological Fungicide, Bactericide
<b>Restrictions:</b>	See product label for restrictions
<b>Company:</b>	Growth Products, Ltd. 80 Lafayette Avenue White Plains, NY 10603
<b>Company Phone Number:</b>	800-648-7626
<b>Emergency Phone Number:</b>	800-222-1222 (American Association of Poison Control Centers)

### Section 2 – HAZARD(S) IDENTIFICATION

**Emergency Overview:** This product is not considered hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**POTENTIAL HEALTH EFFECTS:** Micro-organisms may have the potential to provoke sensitising reactions in some individuals.

**SIGNAL WORD:** N/A

**HAZARD STATEMENTS:** N/A

### Section 3 – COMPOSITION / INFORMATION ON INGREDIENTS

#### COMPOSITION INFORMATION:

**Substance/Mixture:** Mixture

CHEMICAL NAME	CAS Registry No	Concentration % by Weight	EINECS No
Bacillus subtilis, strain GB03:	68038-70-0	0.03%	N/A
Inert Ingredients (confidential)	-	0.97%	-

### Section 4 – FIRST-AID MEASURES

#### Routes of Exposure:

<b>INHALATION:</b>	Not expected to be harmful under normal conditions of use, however if allowed to become airborne, may cause irritation of nose, throat and lungs. If symptoms are experienced remove source of contamination or move victim to fresh air. Obtain medical attention if needed.
<b>INGESTION:</b>	Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING.
<b>EYE CONTACT:</b>	Irritating to eyes. Immediately flush the contaminated eye(s) with cold, gently flowing water for 5 minutes. Remove contact lenses, if applicable and continue flushing for 15 minutes. Rise entire surface of the eye(s) and lids. If irritation persists, seek medical attention.
<b>SKIN CONTACT:</b>	No significant effects or critical hazards. If irritation occurs, flush affected skin area with cold water. If irritation persists, seek medical attention.



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### Section 5 – FIRE-FIGHTING MEASURES

<b>Fire and Explosion Hazards:</b>	Non-combustible
<b>Flammable Limits:</b>	LEL: N/A, UEL: N/A
<b>Extinguishing Media:</b>	Use an extinguishing agent suitable for the surrounding fire.
<b>Fire Fighting Procedures:</b>	Use water spray. Foam, dry chemical or carbon dioxide
<b>Flashpoint and Method:</b>	N/A
<b>Decomposition Products:</b>	Carbon dioxide, carbon monoxide, particulate matter.

### Section 6 – ACCIDENTAL RELEASE MEASURES

#### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Stop leak if without risk. Prevent product from entering drinking water supplies or waterways. Collect liquid or solidify with absorbent material and package for disposal according to local, state, and federal regulations.

#### **WASTE DISPOSAL PRECEDURES:**

Dispose in accordance with state and local regulation.

Additional Advice: Use personal protective equipment (PPE).

### Section 7 - HANDLING AND STORAGE

#### **STORAGE TEMPERATURE:**

MAX 100° F MIN 32° F INDOOR  OUTDOOR  REFRIG.

#### **PRECAUTIONS TO BE TAKEN IN HANDLING:**

For safe handling - put on appropriate protective clothing (PPE). Do not ingest. Avoid contact with eyes, skin and clothing. Do not reuse containers. Refrain from eating, drinking and smoking in work areas.

#### **PRECAUTIONS TO BE TAKEN IN STORAGE:**

Store in a cool, dry well ventilated area. Rotate stock in storage to use oldest first. Store in original containers only. Keep out of Store in cool, dry place and in such a manner to prevent cross contamination with other crop protection products, fertilizers, food and feed. Store in original container and out of reach of children, preferably in a locked storage area.

**Keep away from direct sunlight. Protect from freezing.**

### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Personal Protective Equipment (PPE):**

In normal use and handling conditions please refer to label and/or leaflet.

In all other cases the following recommendations would apply.

#### **RESPIRATORY PROTECTION OR REQUIRED VENTILATION:**

Not normally needed. Where air contaminants can exceed acceptable criteria use NIOSH/MSHA approved respiratory protection equipment

#### **SKIN PROTECTION:**

Chemical resistant nitrile gloves.

#### **EYE PROTECTION:**

Safety glasses with side-shields

#### **PROTECTIVE CLOTHING:**

Long-sleeved shirt and long pants and shoes plus socks.

#### **OTHER PROTECTION:**

N/A

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid	<b>Evaporation Rate:</b>	Not applicable
<b>Color:</b>	Brown	<b>Boiling Point:</b>	About 210° F / 99° C
<b>Odor:</b>	Sweet Earthy	<b>Freezing Point:</b>	<32° F / 0° C
<b>Weight Per Gallon / Liter:</b>	9.95# @ 70° F / 1.19 Kg @ 21° C	<b>Viscosity:</b>	20 cps @ 21 Degrees C
<b>Storage Life at 70F:</b>	>3 years	<b>Flash Point/Method:</b>	Noncombustible



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pH – 21C: 5 - 6  
Solubility: Soluble

Vapor Pressure: N/A  
Storage Temperature: Above 32° F / 0° C

### Section 10 – STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** This material is stable and not considered reactive under normal temperatures and pressures.  
**INCOMPATIBLE MATERIALS:** No dangerous reaction known under normal use conditions  
**HAZARDOUS DECOMPOSITION PRODUCTS:** N/A  
**HAZARDOUS POLMERIZATION:** Material is not know to polymerize. Will not occur.

### Section 11 – TOXICOLOGICAL INFORMATION

**EFFECT OF OVEREXPOSURE ACUTE (SHORT TERM EXPOSURE):** Liquid contact may cause slight eye irritation and repeated skin exposure may cause some skin irritation.  
**CHORONIC (LONG TERM EXPOSURE):** None Known  
**INHALATION:** Not expected to be harmful under normal conditions of use, however if allowed to become airborne, may cause irritation of nose, throat and lungs  
May cause irritation on prolonged or repeated contact

**Hazard:**

**ACUTE TOXICITY (LETHAL DOSES):**

**DERMAL LD<sub>50</sub>:** N/E

**ORAL LD<sub>50</sub>:** N/E

**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 ASSESMENT:** Bacillus subtilis: Test not required for microorganisms.

**MUTAGENICITY ASSESMENT:** Bacillus subtilis: Test not required for microorganisms.

**ACGIH:** None      **NTP:** None      **IARC:** None      **OSHA:** None

### Section 12 – ECOLOGICAL INFORMATION

**TOXICITY:** This material is not classified as hazardous. Use according to good working practices.  
**ECOTOXICITY:** N/E  
**MOBILITY IN SOIL:** This product is biodegradable is soil by microbial activity.  
**BIODEGRADABILITY:** Bacillus subtilis; Evaluation of biogradability is not relevant for microorganisms.  
**MOBILITY IN SOIL:** Bacillus subtilis; Evaluation of mobility in soil is not relevant for microorganisms.  
**ENVIRONMENTAL PRECAUTIONS:** Apply this product according to label instructions.

### Section 13 – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:**

Waste should be avoided or minimized wherever possible. Empty containers may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of



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environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Disposal should be in accordance with applicable Federal, State and local guidelines and regulations.**

**RCRA: RCRA classification may apply.**

## Section 14 – TRANSPORT INFORMATION

**DOT UN STATUS:** According to national and international transportation regulations this material is not classified as dangerous goods / hazardous material.

## Section 15 – REGULATORY INFORMATION

US Federal Regulations TSCA list:	None
US Toxic Substances Control Act (TSCA) Section 12(b):	None
US State Right –To-Know Ingredients:	None
Safe Drinking Water Act maximum Contaminant Levels:	None

**EPA/FIFRA Information:**

This product is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide laws. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

<b>Signal Word:</b>	<b>CAUTION!</b>
<b>Hazard Statement:</b>	Moderate eye irritation. Prolonged or frequent contact with skin may cause allergic reactions to some individuals. Avoid contact with skin, eyes and clothing. Wash thoroughly with soap and water after handling.

**NFPA 704 (National Fire Protection Association):**

**Health:** 1      **Flammability:** 1      **Instability:** 0      **Others:** None

**HMIS (Hazardous Material Identification System):**

**Health:** 1      **Flammability:** 1      **Physical Hazard:** 0      **PPE:** 0

## Section 16 – OTHER INFORMATION

**Revised Date: 10 June 2016**

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

This information is furnished without warranty, expressed or implied, except that is accurate to the best knowledge of Growth Products, Ltd. The data on this sheet relates only to the specific material designated herein. Growth Products, Ltd. assumes no legal responsibility for use or reliance upon this data. The consumer assumes all responsibility for safety and use in accordance with label instructions. This product named is a registered trademark of Growth Products Ltd.

<b>ABBREVIATIONS / ACRONYMS:</b>	N/E – Not Established	N/A – Not Applicable
	NFPA – National Fire Protection Association	
	HMIS – Hazardous Materials Identification System	
	WHMIS – Workplace Hazardous Materials Information System	
	TDG – Transport of Dangerous Goods	
	DOT – Department of Transportation	
	NIOSH – National Institute of Occupational Safety & Health	
	RELs – Recommended Exposure Limits	



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HMIS Letter:     **B**

Equipment:

