

# Safety Data Sheet

## Microbiate™ CG4

### SECTION 1. IDENTIFICATION

**Product Identifier** Microbiate™ CG4  
**Other Means of Identification**  
**Recommended Use** Biological stimulant for crop growth.  
**Restrictions on Use** N/A  
**Initial Supplier Identifier** BioNorth Solutions Inc.  
76 Twin City Crossroad  
Rosslyn, ON, Canada  
P7K 0C6  
**Emergency Telephone Number** 1-807-344-1601

### SECTION 2. HAZARD IDENTIFICATION

**Classification** Non-hazardous by WHMIS criteria.  
**Label Elements**  
**Other Hazards** Repeated or prolonged inhalation of dust may lead to respiratory irritation.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration	Common name / Synonyms	Other identifiers
Whey protein concentrate	92129-90-3	99%		
Microbial consortia	68332-91-2	1%		

#### Notes

### SECTION 4. FIRST-AID MEASURES

**Inhalation** Repeated or prolonged inhalation of dust may lead to respiratory irritation. Seek medical attention if symptoms continue.  
**Skin Contact** Wash with soap and water. Seek medical attention if condition persists.  
**Eye Contact** Flush eyes with running water for at least 15 minutes. Seek medical attention if condition persists.  
**Ingestion** Do not induce vomiting. Rinse mouth. Get medical attention if symptoms occur.  
**Most Important Symptoms and Effects, Acute and Delayed**  
**Immediate Medical Attention and Special Treatment** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Avoid

contact with eyes and skin. Keep out of reach of children.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable** Water, foam.

### Extinguishing Media

**Unsuitable** Not available.

### Extinguishing Media

### Specific Hazards

### Arising from the

### Product

### Special Protective

### Equipment and

### Precautions for Fire-

### Fighters

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal

### Precautions,

### Protective

### Equipment, and

### Emergency

### Procedures

### Methods for

### Containment and

### Cleaning Up

Not applicable.

Keep from entering waterways. Avoid generating dust

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid inhaling excessive dust

### Conditions for Safe Storage

Keep in properly labelled containers. Keep containers tightly closed in a dry place. Store in accordance with the particular national regulations.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Appropriate Engineering Controls Individual Protection Measures

Adequate natural or general ventilation.

### Eye/Face Protection

Wear safety glasses with side shields (or goggles).

### Skin Protection

Wear safety gloves.

### Respiratory

Approved dust respirator when necessary.

### Protection

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Granular.
<b>Colour</b>	White beige.
<b>Odour</b>	Sweet.
<b>Melting Point and Freezing Point</b>	Not available.
<b>Boiling point or Initial Boiling Point and Boiling Range</b>	Not available.
<b>Flammability</b>	
<b>Upper and Lower Flammability or Explosive Limit</b>	Not available.
<b>Flash point</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>pH</b>	Not applicable.
<b>Kinematic Viscosity</b>	
<b>Solubility</b>	
<b>Partition Coefficient, n-Octanol / Water (Log Kow)</b>	
<b>Vapour Pressure</b>	
<b>Density and Relative density</b>	Not available.
<b>Relative Vapour Density</b>	
<b>Particle characteristics</b>	Not available.

## SECTION 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not classified as a reactivity hazard.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	Hazardous polymerisation does not occur.
<b>Conditions to Avoid</b>	Not applicable.
<b>Incompatible Materials</b>	Not applicable.
<b>Hazardous Decomposition Products</b>	None.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Likely Routes of Exposure

Inhalation    Skin contact    Eye contact    Ingestion

<b>Acute Toxicity</b>	
<b>LC50</b>	
<b>LD50 (oral)</b>	
<b>LD50 (dermal)</b>	
<b>Notes</b>	Non-fatal on exposure.

<b>Skin Corrosion / Irritation</b>	May cause mild aggravation.
<b>Serious Eye Damage / Irritation</b>	May cause moderate aggravation. Abrasive action of dust particulate can damage eye.
<b>STOT (Specific Target Organ Toxicity) - Single Exposure</b>	
<b>Aspiration Hazard</b>	
<b>STOT (Specific Target Organ Toxicity) - Repeated Exposure</b>	
<b>Respiratory and/or Skin Sensitization</b>	No evidence.
<b>Carcinogenicity</b>	Not known.
<b>Reproductive Toxicity</b>	
<b>Development of Offspring</b>	Non-hazardous by WHMIS criteria.
<b>Sexual Function and Fertility</b>	Non-hazardous by WHMIS criteria.
<b>Effects on or via Lactation</b>	Non-hazardous by WHMIS criteria.
<b>Germ Cell Mutagenicity</b>	Non-hazardous by WHMIS criteria.
<b>Interactive Effects</b>	

## SECTION 12. ECOLOGICAL INFORMATION

Keep out of water supplies, lakes, ponds, streams and rivers. May promote algae growth.

## SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal Methods** Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all Federal, Provincial, and local laws and regulations. Regulations may vary in different locations.

## SECTION 14. TRANSPORT INFORMATION

TGS Classification: Not regulated.

## SECTION 15. REGULATORY INFORMATION

**Safety, Health and Environmental Regulations** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## SECTION 16. OTHER INFORMATION

**Date of Latest Revision** 26-08-2025

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