

Safety Data Sheet

Microbiate™ WS

SECTION 1. IDENTIFICATION

Product Identifier Microbiate™ WS
Other Means of Identification
Recommended Use Spill kits and bulk applications for soil and gravel oil spill clean-up
Restrictions on Use Do not use in or near potable water
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 Label Elements Non-hazardous by WHMIS criteria.
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		1%		

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	Not applicable.
Methods for Containment and Cleaning Up	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	Adequate natural or general ventilation.
Individual Protection Measures	
Eye/Face Protection	Wear safety glasses with side shields (or goggles).
Skin Protection	Wear safety gloves.
Respiratory Protection	Approved dust respirator when necessary.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Granular.
Colour	White beige.
Odour	Sweet.

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

SECTION 10. STABILITY AND REACTIVITY

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

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation Skin contact Eye contact Ingestion

Acute Toxicity	
LC50	
LD50 (oral)	
LD50 (dermal)	
Notes	Non-fatal on exposure.

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

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
