

Safety Data Sheet

Microbiate™ All-Purpose 10-10-10 Activator

SECTION 1. IDENTIFICATION

Product Identifier Microbiate™ All-Purpose 10-10-10 Activator
Other Means of Identification
Recommended Use Nutrient activator pack for Microbiate™ WS
Restrictions on Use Do not use in or near potable water sources
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 May cause moderate aggravation of skin. 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
None	N/A	N/A		

Notes

SECTION 4. FIRST-AID MEASURES

Inhalation Repeated or prolonged inhalation of dust may lead to respiratory irritation. Allow the affected individual to rest in a well-ventilated area. Watch for airway obstruction. If breathing is laboured, give oxygen if available. Seek medical attention if not feeling well.

Skin Contact Wash with soap and water. Seek medical attention if condition persists.

Eye Contact May cause eye irritation due to mechanical action. Flush eyes with running water for at least 15 minutes, keeping eyelids open. Obtain medical attention if irritation persists.

Ingestion If swallowed, wash out mouth with water provided person is conscious. Do not induce vomiting unless directed by a physician. Call a physician.

Most Important Symptoms and Effects, Acute and Delayed

Immediate Medical Attention and Special 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

Treatment 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 Not available.

Extinguishing Media

Unsuitable Not available.

Extinguishing Media

Specific Hazards

Firefighters should wear a self-contained breathing apparatus.

Arising from the Product

Special Protective

Equipment and

Precautions for Fire-

Fighters

Use flooding quantities of water. Do not use water jet. Wear SCBA and full protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal

Not applicable.

Precautions,

Protective

Equipment, and

Emergency

Procedures

Methods for

Containment and

Cleaning Up

Keep from entering waterways. Avoid generating dust. Shovel or sweep up and reuse.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid generating dust. Do not inhale dust. Avoid contact with skin and eyes. Wear protective equipment. Wash thoroughly after handling.

Conditions for Safe Storage

Keep in dry area. Avoid spillage of bulk material or tearing of bags. Provide adequate ventilation.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate

Engineering Controls

Individual Protection

Measures

Not required.

Eye/Face Protection

Wear safety glasses with side shields (or goggles).

Skin Protection

Wear appropriate safety gloves to avoid drying of the skin.

Respiratory

Protection

Where exposure guideline levels may be exceeded, use an approved NIOSH 3M8210, or better, respirator.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Granular.
Colour	Blue.
Odour	Slight metallic odour.
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	7
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 applicable.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Hazardous polymerisation does not occur.
Conditions to Avoid	Not applicable.
Incompatible Materials	Strong oxidizing agents. Prolonged contact may cause oxidation of unprotected metals. Avoid contact with hot nitric acid, may cause evolution of toxic nitrosyl chloride. Contact with other strong acids may produce irritating hydrogen chloride gas. NaCl reacts with most noble metals, such as iron or steel, building materials (such as cement), bromine, or trifluoride. A potentially explosive reaction may occur if NaCl is mixed with dichloromaleic anhydride and urea. Electrolysis of mixtures containing NaCl and nitrogen compounds may form explosive nitrogen trichloride.
Hazardous Decomposition Products	Thermal degradation may produce oxygen, nitrogen oxides, hydrogen cyanide and carbon dioxide.

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 moderate aggravation.

Serious Eye Damage / Irritation

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.

Notes**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

Interactive Effects

Non-hazardous by WHMIS criteria.

SECTION 12. ECOLOGICAL INFORMATION**Environmental**

Precautions

Keep out of water supplies, lakes, ponds, streams and rivers. This product is a fertilizer and may promote algae growth.

Persistence and

Degradability

Not available.

Bioaccumulative

Not available.

Potential

Mobility in Soil

Not available.

Other Adverse Effects

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, State/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
