

MATERIAL SAFETY DATA SHEET

SECTION I PRODUCT AND COMPANY IDENTIFICATION

Product Name Soil Activator
Contact Manufacturer Earth Alive Clean Technologies Inc.
 9641 rue Clément
 Lasalle, QC H8R 4B4
Information Telephone Number +1 438 333-1680

Health Hazard	1
Fire Hazard	1
Reactivity	0

Canada Fertilizer Act No: 2014052A

SECTION II HAZARDS IDENTIFICATION

Appearance Light to Medium Brown powder
Physical State Dry
Odour Slight fermentation odour

Potential Health Effects

Principle Routes of Exposure Eye contact, Skin contact, Inhalation, Ingestion
Acute Effects

Eyes	May cause slight irritation
Skin	Prolonged contact may cause light skin irritation in sensitive individuals.
Inhalation	May cause irritation of respiratory tract
Ingestion	May cause gastrointestinal irritation

Carcinogenicity: Non-carcinogenic

SECTION III COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS-No	Weight%
Viable bacterial cultures <i>Bacillus subtilis, Bacillus amyloliquefaciens, Pseudomonas monteilii</i>	N/A	1-10%
Proprietary compound derived from natural vegetative sources	N/A	80-90%

SECTION IV FIRST AID MEASURES

Eye Contact In case of contact with the eyes, wash immediately and abundantly with water. Consult physician if irritation persists
Skin Contact Wash with soap and water
Inhalation Move to fresh air
Ingestion Clean mouth with water and afterwards drink plenty of water

SECTION V FIRE-FIGHTING MEASURES

Flammable Properties Yes when exposed to open flame, very high temperatures, or if large amounts of dust are dispersed in air
Suitable Extinguishing Media Water spray, foam, dry powder, or carbon dioxide
Hazardous Combustion Products Sulfur Dioxide, Carbon oxides, Nitrogen Oxides, NH₃ in case of confined combustion and critical heating
Specific Hazards Arising from the Chemical Not available
Flash Point 207°C

SECTION VI ACCIDENTAL RELEASE MEASURES

For small spills, flush with water. For large spills, dyke and reclaim the product. Dispose of waste according to local, provincial/state and federal regulations.

SECTION VII HANDLING AND STORAGE

Handling	Ensure adequate ventilation
Storage	Keep tightly closed, dry, and at "room" temperature
Storage Conditions	In unbroken packaging - keep dry and protect from the sun. Extended storage, especially in adverse conditions such as higher temperatures (>45°C) or higher humidity may reduce efficacy.

SECTION VIII EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Controls

Engineering Controls Not applicable

Personal Protective Equipment

Respiratory Protection	Use in a well ventilated area
Eye Protection	Eyeglasses
Skin Protection	Long sleeved clothing recommended to avoid prolonged exposure
Hand Protection	Protective gloves recommended to avoid prolonged exposure
Other Protective Equipment	Not required unless specified by employer code

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light to medium brown powder
Physical State	Dry
Odour	Slight fermentation odour
pH @ 25°C	7.0 approximately
Boiling Point/Range	Not applicable
% Volatile (wt%)	< 7% moisture, heating @ 105°C
Flash Point	207°C
Density	0.38 - 0.50 g/cc apparent density
Freezing Point	Not applicable
Dispersion in water	100% miscible

SECTION X STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions
Materials to Avoid	Avoid contact with strong oxidizing agents, concentrated acids, nitric acid
Hazardous Decomposition Products	Sulfur Dioxide, Carbon oxides, Nitrogen Oxides

SECTION XI TOXICOLOGICAL INFORMATION

No known toxicity

SECTION XII ECOLOGICAL INFORMATION

All ingredients are biodegradable and derived from vegetative sources

SECTION XIII DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state/provincial and federal regulations.

SECTION XIV TRANSPORT / TRANSPORTATION

Not regulated by Transportation of Dangerous Goods Act (TDG). Not regulated by Canadian & U.S. Department of Transportation (Hazmat).

SECTION XV REGULATORY INFORMATION

Canada Fertilizer Act No 2014052A

Workplace Hazardous Materials Information Systems (WHMIS) - **Not Regulated.**

Canadian Domestic Substance List (DSL) - All the ingredients are listed on the DSL.

Toxic Substances Control Act (TSCA) - No ingredients are listed.

SECTION XVI OTHER INFORMATION

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

Furthermore, as the conditions of use are beyond the control of Earth Alive Clean Technologies, it is the responsibility of the customer to determine the conditions of safe use of these products.

End of Material Safety Data Sheet