

Soil Activator

SDS Revision Date (mm/dd/yyyy): 06/01/2019

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SAFETY DATA SHEET

SECTION 1. IDENTIFICATION

Product identifier used on the label

Soil Activator

Product Code(s) CFIA Registration # 2014052A
Recommended use of the chemical and restrictions on use

Organic plant growth aid

Chemical family Mixture

Name, address, and telephone number of the manufacturer:
Refer to Supplier

Name, address, and telephone number of the supplier:
Earth Alive Clean Technologies Inc.

9641 Rue Clément
Montreal (Lasalle), QC, H8R 4B4
Telephone: +1 (438) 333-1680

SECTION 2. HAZARDS IDENTIFICATION

Classification of the chemical

This product is not regulated by the Hazardous Products Act (WHMIS).
Contains ingredients classified under GHS as Eye Irritant, Category 2B.

Label elements

Hazard pictogram(s)



Signal Word

Not applicable.

Hazard statement(s)

Labelled as per the Fertilizers Act and Regulations.

Precautionary statement(s)

Labelled as per the Fertilizers Act and Regulations

Other hazards

This product contains viable spores of bacteria and may cause adverse effects in sensitive individuals. Use only as directed. Do not ingest or inhale. Avoid skin contact. This product may contain live microorganisms other than those listed under the minimum guarantee (see package for more details). Follow all instructions on label for proper preparation and application.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical name	Common name and synonyms	CAS #	Concentration (% by weight)
Viable bacteria cultures		N/A	1-10%
Proprietary compound derived from natural vegetative sources		N/A	80-90%

SECTION 4. FIRST-AID MEASURES

Description of first aid measures

<i>Ingestion</i>	Clean mouth with water and afterwards drink plenty of water
<i>Inhalation</i>	None required under normal conditions. Remove exposed person to fresh air if adverse effects, such as breathing difficulty arise.
<i>Skin contact</i>	Wash affected area with mild soap and water.
<i>Eye contact</i>	In case of contact with the eyes, wash immediately and abundantly with water. Consult physician if irritation persists

Most important symptoms and effects, both acute and delayed

Product should be non-toxic when used as intended.

Indication of any immediate medical attention and special treatment needed

This product is generally non-toxic, but may create a nuisance dust or cause mechanical irritation of the eyes. Consult a physician if you feel any ill effects after use.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

<i>Suitable extinguishing media</i>	Water spray, foam, dry powder, or carbon dioxide
<i>Unsuitable extinguishing media</i>	None known.

Special hazards arising from the substance or mixture / Conditions of flammability

None known.

Flammability classification (OSHA 29 CFR 1910.106)

Not applicable.

Hazardous combustion products

Sulfur Dioxide, Carbon oxides, Nitrogen Oxides, NH3 in case of confined combustion and critical heating

Special protective equipment and precautions for firefighters

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear gloves and eye protection when cleaning up spills since product may cause temporary skin staining or mechanical irritation of the eyes.

Environmental precautions

Remove as much solid as possible, such as by sweeping. Wash area of spill with large amounts of water. Avoid loose product on floor in damp areas, as it may become slippery with the addition of water.

Methods and material for containment and cleaning up

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.

Special spill response procedures

None known.

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SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Ensure adequate ventilation

Conditions for safe storage

Store in a cool, dry place out of direct sunlight. Protect from sun. Extended storage, especially in adverse conditions such as higher temperatures (>45°C) or higher humidity may reduce efficacy.

Incompatible materials

None known or reported by the manufacturer.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls

Ventilation and engineering measures

Not applicable.

Respiratory protection

Use in a well-ventilated area.

Skin protection

Protective gloves and long-sleeved clothing recommended to avoid long-term exposure.

Eye / face protection

Eyeglasses.

General hygiene considerations

Not applicable unless specified by employer code

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Light to medium brown powder
Odour	Slight fermentation odor
Odour threshold	Not available.
pH	7.0 approximately
Melting/Freezing point	Not applicable.
Initial boiling point and boiling range	Not applicable.
Flash point	207°C
Relative density / Specific gravity	0.38 – 0.5 g/cc apparent density
Solubility in water	99% miscible
Decomposition temperature	No information available.
Volatiles (% by weight)	<7% moisture (heating at 105°C)
Other physical/chemical comments	None known or reported by the manufacturer.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	Not normally reactive.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Extreme heat and flame
Incompatible materials	Avoid contact with strong oxidizing agents, concentrated acids, nitric acid
Hazardous decomposition products	Sulfur Dioxide, Carbon oxides, Nitrogen Oxides

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SECTION 11. TOXICOLOGICAL INFORMATION

No known toxicity

SECTION 12. ECOLOGICAL INFORMATION

All ingredients are biodegradable and derived from organic and vegetal sources

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal	Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.
Methods of Disposal	Dispose in accordance with all applicable federal, state, provincial and local regulations.
RCRA	Not applicable in Canada.

SECTION 14. TRANSPORTATION INFORMATION

Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
TDG TDG Additional information	None. None.	Not regulated.	not regulated	none	
49CFR/DOT 49CFR/DOT Additional information	None. None.	Not regulated.	not regulated	none	
ICAO/IATA ICAO/IATA Additional information	None. None.	Not regulated.	not regulated	none	
IMDG IMDG Additional information	None. None.	Not regulated.	not regulated	none	

Special precautions for user	Not dangerous goods
Environmental hazards	See Section 12 for more environmental information.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.



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SECTION 15. 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 16. OTHER INFORMATION

Disclaimer

The information provided on this SDS 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