

Partners in Parks

Edmonton

Volunteer Manual



partnersinparks@edmonton.ca

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Introduction

Welcome to the Partners in Parks program! We are excited to have you join our team and want to thank you in advance for the time and effort dedicated to supporting Edmonton's parks and green spaces.

We want to create opportunities for Edmontonians to feel connected to their public green spaces and to have a positive environmental impact. Our program strives to make our green spaces vibrant, healthy places for generations to come. This program will provide you with the opportunity to develop your gardening skills and connect with your community. Our park spaces wouldn't be the same without your support and dedication.

This volunteer manual is a guide and resource for you. We encourage you to read through this document and familiarise yourself with the contents. If you have questions or concerns please contact us.

Contact Information

Website:

edmonton.ca/partnersinparks

Email:

partnersinparks@edmonton.ca

Twitter: @partnersinparks,
@yegparks, #yeggardens,
#yegardens

Facebook: [@YegParks](https://www.facebook.com/YegParks)

Instagram: [@Yeg_Parks](https://www.instagram.com/Yeg_Parks)

Mail:

Partners in Parks
City of Edmonton
Coronation Integrated Site
14323 115 Ave NW,
Edmonton, AB T5M 3B8



Email communications from Partners in Parks may include program updates, reminders (to register or record hours), events, plant giveaways, program surveys and additional resources.

Volunteer Position Description

Position Title	Partners in Parks Volunteer
Work Location	<p>Mulch shrub beds located in public green spaces throughout Edmonton, including parks and right of way. Limited volunteerism in natural areas.</p> <p>Shrub beds near stormwater management facilities are no longer city assets. Contact EPCOR for more information.</p>
Purpose	Support the beautification of Edmonton's green spaces and ensure they are preserved as vibrant places for Edmontonians to enjoy.
Goals	<ul style="list-style-type: none"> • Bring beauty and pride to neighbourhoods • Provide citizens with an opportunity to garden on public land and have a positive environmental impact • Enhance and preserve local parks and green spaces • Support City Operations in maintaining a high standard of care
Responsibilities	<ul style="list-style-type: none"> • Ensure the site is well-maintained and is litter and weed free • Adhere to safety standards • Report park maintenance concerns to 311 • Interact with the public or City staff in a respectful and courteous manner
Benefits	<ul style="list-style-type: none"> • Enhance and improve local parks • Get involved in the community • Gain volunteer experience • Practice gardening skills • Participate in healthy outdoor recreation • Volunteer recognition • Having fun!
Training and Supervision	Registered volunteers will receive training on duties, expectations, and safety policies and

 Volunteers are encouraged to contribute a **minimum of 10 hours** per season 

	<p>procedures. Volunteers may work alone, as partners, or in groups. Volunteers report to the Partners in Parks Program Staff, who are City of Edmonton employees.</p>
<p>Requirements</p>	<ul style="list-style-type: none"> ● Be 18 years of age or older ● Be respectful, friendly, and courteous to others at all times ● Be willing to pay for the cost of materials required for site improvements when pursuing <i>optional</i> activities (such as buying flowers, mulch, compost or water) ● Must be fully vaccinated against Covid-19 and provide proof of vaccination. An exemption may be requested on the basis of protected legal grounds (e.g. medical, religious)
<p>Health and Safety</p>	<ul style="list-style-type: none"> ● Hazard assessments, controls and procedures are shared with volunteers ● Training and competency checks required ● Volunteer and emergency contact information is provided ● Supervisor contact information is provided ● Volunteers must wear personal protective equipment provided and volunteer identification while working on site ● Report volunteer shifts ● Display a Partners in Parks sign at the site

Representing the City of Edmonton

Partners in Parks Volunteers represent the City of Edmonton and are expected to adhere to the city bylaws, policies, and values as outlined by the City of Edmonton:

Personal Code of Conduct

Volunteers must complete their activities to the best of their ability, conduct themselves appropriately and will be considerate to all people. Treat people as you want to be treated and represent the City in a positive way.

Parkland Bylaw 2202

While on parkland, no person without permission shall:

- 6(b) build a structure, whether permanent or temporary

- 8(c) move, remove, cut or damage any tree, shrub, flower or other plant
- 9(c) leave garbage, litter or other refuse except in a receptacle provided by the City for this purpose
- 9(e) deposit chemicals or pesticides

<https://www.edmonton.ca/transportation/PDF/C2202.pdf>

Unauthorised Use of Parkland Bylaw 12308

Examples of unauthorised use include, but are not limited to:

- 2(h)(ii) landscaping, gardens and irrigation or electrical systems
- 2(h)(v) digging, cutting, excavating or filling



<https://www.edmonton.ca/documents/PDF/12308.pdf>

Volunteer Procedures Annual Volunteer Registration

Volunteers are expected to register each year using the online Registration Form available at [edmonton.ca/partnersinparks](https://www.edmonton.ca/partnersinparks). Existing volunteers and waitlist contacts will be provided with program updates and registration reminders.

After registration has closed, interested volunteers can add their contact information to the Volunteer Waitlist to be contacted the following season.

Registering as a Group

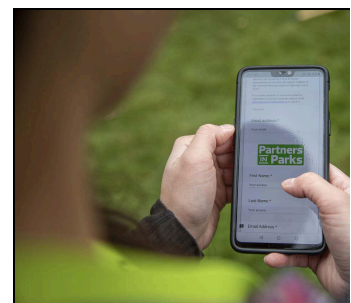
Groups of volunteers working together are permitted, however each volunteer must register individually by the advertised deadline. Individuals may reference the group name in the Registration Form.

Volunteer Identification

Volunteers must wear an identification badge when working on site. If a volunteer badge is lost, you may request a replacement from the Program Coordinator.

PPE and Equipment Checklist

- Tote bag
- Site sign
- Flagging tape
- Gloves
- Safety glasses
- Personal first aid kit



⚠ Before you leave for a volunteer shift make sure you have all your PPE!

- Volunteer identification badge
- Field Level Hazard Assessment sheets
- Soil Activator
- Optional* native flowers and print copy of the Volunteer Manual

! *It is recommended that you let someone know when you are going to site and when you are expected to return.*

Reporting Volunteer Shifts

Partners in Parks volunteer shifts must occur between 8:00 am and 9:00 pm. Shifts can be reported using the [2024 Volunteer Shift Log](#). You can find the form under the 'Current Volunteers' tab at edmonton.ca/partnersinparks. Print copies of the shift log can be obtained through the Program Coordinator.

Reporting volunteer shifts is required for many reasons, including:

- It is a safety requirement
- Potential Worker's Compensation coverage if injury occurs
- Qualification for volunteer recognition
- Program evaluation.

Media

Volunteers are not authorised to represent the City of Edmonton during a media interview. If volunteers are approached by the media, please direct them to the Program Coordinator.



Sponsor information is available on the program webpage.



Volunteer Recognition

The City of Edmonton endeavours to recognize dedicated volunteers. In-kind contributions for Partners in Parks volunteer recognition are largely from sponsorship and may vary each season.

This year, eligible volunteers will receive an Edmonton Horticultural Society membership. Additional in-kind donations from new sponsor organisations may be available.

Recognition is based on meeting and reporting a minimum of 10 hours throughout the season.

Through the annual volunteer survey, Partners can submit feedback on the program and recognition items.

Important Information

Freedom of Information and Privacy

Personal information will be kept confidential and only used for the purposes of the Partners in Parks program. Registration into the program, and any documentation requesting personal information, requires acceptance of the following Freedom of Information and Protection of Privacy (FOIP) statement:

Your name, address, phone number and email are collected under the authority of Section 33(c) of the Freedom of Information and Protection of Privacy (FOIP) Act and is used for the administration of the Partners in Parks Program. This information may be disclosed to City Operations staff for purposes of responding to complaints, requests and inquiries relating to the Partners in Parks Program. Your personal information will be protected in accordance with the privacy provisions of the FOIP Act.

If you have any questions about the collection or use of your personal information, contact the Program Coordinator at partnersinparks@edmonton.ca, or 14323 115 Ave NW, Edmonton, AB T5M 3B8

Discipline and Dismissal Process

City volunteers face similar disciplinary action to City employees in circumstances where volunteer behaviour is harmful to the reputation or activities of the City of Edmonton, or a threat to the safety of themselves or others. When deemed necessary, the following disciplinary procedure will be followed:

1. Verbal warning
2. Written warning
3. Suspension
4. Termination

*In extreme cases, termination may be immediate, at the discretion of the Program Coordinator.

Resignation Process

If you wish to resign from the Partners in Parks program, please:

1. Email your Program Coordinator
2. Turn in your volunteer identification
3. Turn in your Partners in Parks sign
4. Know that your time and efforts are greatly appreciated!



Volunteer Activities

Weed Removal (Mandatory)

Volunteers are not authorised to apply chemicals of any kind to public land. Weeds in horticultural beds must be removed by hand. In accordance with the [Alberta Weed Control Act](#), the City of Edmonton does not tolerate noxious weeds. Volunteers should identify and remove noxious weeds found on site. Weeds should be bagged and can be disposed of in public waste receptacles or in a residential black cart. Do not dispose of weeds in the green cart intended for food scraps.

Resources for the identification of weeds can be found at edmonton.ca/weeds.

⚠ Do not pick up needles, sharps or other dangerous items on site. Use flagging tape to mark the area and contact 311 immediately. Report the unsafe observation to the Program Coordinator as soon as possible.

Litter Removal (Mandatory)

Volunteers will be provided with two waste bags and additional bags can be requested at any time throughout the season. Do not remove mulch or leaves from the site.

Removal of Waste

Volunteers are welcome to use public waste receptacles for single waste bags. Volunteers may request the support of Parks Operations to pick up large numbers of waste bags. A minimum of two weeks is required to schedule support.



Maintaining Bed Visibility

Volunteers have access to up to 5 Partners in Parks signs, to designate their work area. It is highly recommended that these signs be visible from multiple angles so that the public, and the Horticulture team performing regular maintenance is aware of the volunteer work being done in these areas. Keeping weeds and undesired plants under control will also help with visibility and the success of planted vegetation.

Optional Activities

Planting non-invasive annuals and perennials

Volunteers are encouraged to support beautification efforts by planting non-invasive annuals and/or perennial plants. If you intend to make extensive changes to the planting bed, you must submit a planting plan by email to the Program Coordinator in advance of completing the work. It is the volunteer's responsibility to ensure

plants are not an [Alberta regulated weed](#). You can refer to the [COE Native Plant Guide](#) for a list of approved plants.

⚠ Digging or shovel use below 11 inches requires an [Alberta One Call Service](#) (1-800-242-3447). The volunteer must use this free service **two weeks prior** to digging to allow enough time for approvals.



Soil Amendment

Volunteers are permitted to use compost and the Soil Activator product provided in the resource kit. Prior to using this complimentary resource, review Appendix A: Soil Activator Safety Data Sheet. Use of fertilisers is prohibited.

Mulching

Volunteers are welcome to use leaves found on public property to mulch beds or may source mulch at their own expense. Limited quantities of mulch are available through the City of Edmonton's [free mulch program](#).

Practise proper mulching techniques on site:

- Do not use chemically-treated mulch
- Mulch should not touch tree trunks
- Create donuts of mulch around the base of plants
- Keep mulch angled away from the edge of the planting bed



Watering

It is the volunteers' responsibility to provide water for their beautification efforts. The use of drought-tolerant and/or native flowers is highly recommended.

Prohibited Activities

The following activities are not supported by the Partners in Parks program:

1. Turf maintenance
2. Use of herbicides, pesticides, or fertilisers
3. Pruning shrubs or trees
4. Raking leaves for disposal
5. Planting vegetables or other plants intended for consumption
6. Handling needles or sharps found on site
7. Making modifications to parkland without approval, for example extending the boundary of the planting bed
8. Disrespectful comments or actions to park users or staff
9. Permitting non-registered individuals to assist with maintenance or planting activities

Partners are asked to report operational concerns to 311 and volunteer safety concerns and incidents to the Program Coordinator.



Occupational Health and Safety (OHS)

The Partners in Parks program complies with Occupational Health and Safety requirements with the goal of ensuring the safety of participants and the environment. There are 8 elements that make up the OHS framework:

1. Organisational Commitment

This outlines the City's OHS leadership requirements across the different levels of the organisation.

2. Hazard Identification and Assessment

Potential hazards that may occur at a work site are identified and ranked by the degree of danger that they may pose to the volunteers.

3. Hazard Control

Controls are the procedures and equipment that are used to protect and minimise hazards.

4. Planned Safety Inspections

Safety inspections will be completed at Partners in Parks sites.

Your Responsibility: A volunteer may be requested to meet with staff on site as part of a safety inspection.

5. Orientation and Training

The Program Coordinator is responsible for volunteer safety, including the provision of training and competency testing for volunteers.

Your Responsibility: Complete training requirements before starting any work and follow procedures.

6. Emergency Response Planning

The plan for dealing with emergencies at the work site.

Your Responsibility: Know who to contact during an emergency, follow all emergency procedures and provide any feedback on improvement.

7. Incident Investigation

Accidents or injuries that occur while volunteering must be reported to the Program Coordinator.

Your Responsibility: Report all accidents and near misses (almost accidents) immediately after they happen. PARTICIPATE in any investigations to determine incident causes and prevention measures.

8. Program Administration

The process of monitoring the elements of the safety program for effectiveness and improvements.

Roles

The Program Coordinator will:

1. **Provide leadership** to ensure that the elements of the OHS framework are implemented.
2. **Inform and train volunteers** to ensure safe work procedures.
3. **Be responsible and accountable** to ensure compliance of volunteer activities with departmental safety standards and provincial regulations.
4. **Monitor** the effectiveness of the safety program
5. **Participate** in activities that promote a safe and healthy workplace.

Partners in Parks Volunteers will:

1. **Be responsible and accountable** to ensure that volunteer activities adhere to safety standards.
2. **Demonstrate** actions that promote a healthy and safe work environment.
3. **Report** unsafe actions

4. **Provide feedback** on improving the program and safety.
5. **Know** your right and responsibilities

Your Rights as a Partners in Parks Volunteer

1. The right to know about safety concerns and hazards.
2. The right to participate in decisions that affect your health and safety.
3. The right to refuse work that the volunteer feels is unsafe and may cause harm to themselves or others.



Your Responsibilities as a Partners in Parks Volunteer

All Volunteers must cooperate in following OH&S rules and implementing appropriate controls for work site hazards. Any unsafe conditions or concerns should be reported immediately to the Program Coordinator. All serious injuries, incidents and near misses must be reported immediately.

Questions or concerns related to safety can be discussed with the Program Coordinator at partnersinparks@edmonton.ca or by calling 311.


Common Hazards and Controls

The following is a list of common hazards that may be encountered during volunteer activities and the corresponding controls (actions or protective equipment) to eliminate the hazards.

COMMON HAZARD	CONTROL
Equipment induced slips / trips / falls	Ensure rakes, shovels, trowels are visible. Do not drag tools. Walk with tool ends pointed downwards. Clean up tools when work is complete.
Foreign object induced slips / trips / falls	Walk carefully through any long grass. Understand tripping hazards (tree roots, rocks etc) may be hidden in the grass. Stop and look for tripping hazards and remove or flag them.
Uneven / slippery surfaces	Walk carefully over sloped ground. Walk sideways up and down steep slopes. Walk carefully through any long grass. Understand tripping hazards (uneven ground, etc.) may be hidden in the grass. Walk carefully over wet grass which can be slippery.
Deadfall / snags / broken branches	Walk carefully through any long grass. Understanding that tripping hazards

! Call 911 in an emergency!

	may be hidden in the grass. Remove any broken branches or other loose tripping hazards from the site. Wear protective eyewear and long sleeves.
Irritating plants	Walk the site to identify any stinging or irritating plants or weeds. You may pull thistles from the site, wearing provided gloves. Dispose of thistle in garbage.
Insects (ex. wasp nests)	Walk the site before planting to identify any insect nests or hives. Stay away from those areas. Flag off areas as necessary.
Animal exposure (ex. Dogs or coyotes)	Be aware that dogs or other animals may enter the site. Look around for dogs or wildlife and avoid interacting. Lost pets or aggressive coyotes should be reported to 311.
Garbage or other foreign objects	All waste should be handled with care. Garbage should not be compressed into containers with hands or feet. Bags should be an appropriate weight and always carried in front of the body.
Sharp objects (ex. Broken glass)	DO NOT PICK UP SHARP OBJECTS. Choose to work in a different area if there are sharp objects in your chosen area. If needles are spotted, do not pick up. Contact 311 right away. Flag the area, and stay away.
Nearby traffic (ex. Cars, bikes, pedestrians)	Do not leave items on the walkway. Watch for pedestrians and cyclists if a walkway is nearby. Look both ways before crossing walkways. Respect everyone's right to use walkway systems.
Air Quality (AQHI 5 or higher)	Check air quality health index (AQHI) prior to conducting outdoor activities (airhealth.ca or AQHI Canada phone app). Individuals with respiratory concerns cease activities when ranking is 5 or higher. All volunteers cease outdoor work when ranking is 8 or higher.
Homeless Camps	Do not approach homeless encampments. Contact 311 right

 *If you come into contact with a needle, let it bleed freely, wash with soap and water or sanitizer and contact your Program Coordinator right away.*

	away. Call 211 any time to support someone in social distress (intoxicated, in need of shelter, mental health crisis etc). Leave the area immediately.
Strains and Sprains	Be aware of own body and take breaks as needed to prevent muscle strain and back pain. Ask for assistance picking up or carrying heavy items.
Other:	Examples of other hazards may include severe weather warnings, sun exposure, working near water bodies etc.

General safety practices include protecting eyes and body from sun and pests, wearing closed toe shoes, carrying a mobile phone, hand washing after every volunteer shift (especially after picking up litter).

The Program Coordinator must be notified of any volunteer or emergency contact information changes, preferably by email.

Reporting Incidents and Near Misses

Contact information for medical emergencies, non-emergency injuries, and reporting is on the volunteer identification badge.

Volunteers may be covered through the City's Workers Compensation Board provided they have:

- Registered for the Partners in Parks Program
- Followed all Safety Guidelines and Occupational Health and Safety Standards
- Signed the Partners in Parks Volunteer Agreement
- Can verify they injured themselves during their volunteer shift
- Filled out the Incident Report Form within 24 hours of the incident occurring

⚠ *If you are injured while working on your site, report it within 24 hours.*

Injury

Contact 911 for medical emergencies. As follow up to a medical emergency or for all non-emergency injuries, contact the Program Coordinator at partnersinparks@edmonton.ca or 780-446-3747. If staff cannot be reached during an emergency situation or it is outside of regular business hours, please contact the [City of Edmonton's Risk Management](#) Hotline at 780-496-7200.

An Incident Report Form will need to be completed by the Program Coordinator within 24 hours of the incident. In the event of a

life-threatening emergency, call 911 immediately. If a visit to a clinic or medicentre for an injury was required due to an incident while volunteering, inform the clinic that the injury is work-related as this may help in the Worker's Compensation Board process.

Near Misses

Please contact the Program Coordinator with any near misses at partnersinparks@edmonton.ca in order to implement measures to prevent potential future occurrences. Near miss refers to any situation that "could have" been worse. This includes but is not limited to:

- Finding needles
- Tripping over uneven terrain or equipment
- Lifting an object that is too heavy



Further information on the volunteer-employer relationship can be found in the Government of Alberta [Bulletin LI022](#).

Workers' Rights and Workplace safety

Occupational Health and Safety (OHS) legislation is the law that helps protect your health and safety at work. Volunteers are deemed workers in the legislation.

As a worker (volunteer) you have three basic rights:

1. The right to refuse dangerous work and know that you're protected from reprisal.
2. The right to know about workplace hazards and have access to basic health and safety information.
3. The right to participate in health and safety discussions and health and safety committees.

As a worker (volunteer) you need to:

- Refuse dangerous work
- Report unsafe work practices
- Follow health and safety procedures
- Refrain from harassment or violence in the workplace
- Ask for training if you don't know how to do something
- Work safely and encourage others to as well
- Use required safety equipment and clothing
- Inform your supervisor if you have anything going on that could affect your ability to work safely

Additional Resources

- Parkland Bylaw 2202: [edmonton.ca/documents/PDF/C2202.pdf](https://www.edmonton.ca/documents/PDF/C2202.pdf)
- Unauthorised Use of Parkland Bylaw 12308: [edmonton.ca/documents/PDF/12308.pdf](https://www.edmonton.ca/documents/PDF/12308.pdf)
- Volunteerism Policy C504: [edmonton.ca/city_government/documents/PoliciesDirectives/C504.pdf](https://www.edmonton.ca/city_government/documents/PoliciesDirectives/C504.pdf)

Safety

- Alberta One Call: [albertaonecall.com](https://www.albertaonecall.com)
- Air Quality Health Index: [airhealth.ca](https://www.airhealth.ca)
- Government of Alberta: <https://www.alberta.ca/young-worker-rights-responsibilities.aspx>
- Needle Safety and Exposure: https://www.edmonton.ca/programs_services/graffiti_litter/safe-needle-disposal.aspx

Planting

- Edmonton Horticultural Society: [edmontonhort.com](https://www.edmontonhort.com)
- Edmonton Native Plant Group: [edmontonnativeplantgroup.org](https://www.edmontonnativeplantgroup.org)
- Root for Trees: [rootfortrees.ca](https://www.rootfortrees.ca)
- Request to Plant: [edmonton.ca/residential_neighbourhoods/gardens_lawns_trees/request-to-plant.aspx](https://www.edmonton.ca/residential_neighbourhoods/gardens_lawns_trees/request-to-plant.aspx)
- Gardening for Pollinators: [cwf-fcf.org/assets/pdf/en/wag/polle.pdf](https://www.cwf-fcf.org/assets/pdf/en/wag/polle.pdf)

Site Maintenance

- Invasive Weed Identification: [edmonton.ca/documents/PDF/Weed_Identification_Book.pdf](https://www.edmonton.ca/documents/PDF/Weed_Identification_Book.pdf)
- Compost Sales: [edmonton.ca/programs_services/landscaping_gardening/compost-and-topsoil-sales.aspx](https://www.edmonton.ca/programs_services/landscaping_gardening/compost-and-topsoil-sales.aspx)
- Mulch: [edmonton.ca/residential_neighbourhoods/gardens_lawns_trees/free-mulch-program.aspx](https://www.edmonton.ca/residential_neighbourhoods/gardens_lawns_trees/free-mulch-program.aspx)

Appendix A: Soil Activator Safety Data Sheet



Earth Alive Clean Technologies Inc.
9641 Rue Clément
Montreal (Lasalle), QC, H8R 4B4
Telephone: (438) 333-1680

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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 9641 Rue Clément
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 Telephone: (438) 333-1680

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

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SAFETY DATA SHEET

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

Ingestion Clean mouth with water and afterwards drink plenty of water
Inhalation None required under normal conditions. Remove exposed person to fresh air if adverse effects, such as breathing difficulty arise.
Skin contact Wash affected area with mild soap and water.
Eye contact 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

Suitable extinguishing media Water spray, foam, dry powder, or carbon dioxide
Unsuitable extinguishing media 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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Soil Activator
SDS Revision Date (mm/dd/yyyy): 06/01/2019

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SAFETY DATA SHEET

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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SAFETY DATA SHEET

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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Soil Activator

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

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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