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## SAFETY DATA SHEET

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### 1. IDENTIFICATION

GENERAL USE: Beneficial Soil Additive  
COMMON NAME: PerFect Amendment®

MANUFACTURER: Al-Par Peat Co.  
5900 Henderson Rd.  
Elsie, MI 48831

EMERGENCY TELEPHONE NUMBERS: Al-Par Peat Co: (989) 661-7850

### 2. HEALTH AND HAZARD INFORMATION

GHS-US Classification: NOT CLASSIFIED  
LABEL ELEMENTS: NO LABELING APPLICABLE  
OTHER HAZARDS: N/A not listed by NTP, LARC,  
OSHA, ACGIH, ORHIOSH

INGREDIENTS WITH  
UNKNOWN TOXICITY: NOT APPLICABLE

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Components	Range
Active Ingredients:	Streptomyces griseoviridis 0.013% (by wt.)
Inert Ingredients (confidential)	98.7%

### 4. EMERGENCY AND FIRST AID MEASURES

**EYE CONTACT:** Slight irritation may occur. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, continue rinsing eye.

**INHALATION:** Slight nasal irritation may occur. Flush nose with water. Possible respiratory damage following repeated or prolonged inhalation.

**INGESTION:** Irritation of mucous membranes. Rinse mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Give water to drink if person is completely conscious/alert. Do not give an unconscious person anything to drink. Consult physician. If large quantities are ingested; may cause stomach pain or discomfort.

**SKIN:** No negative side effects. Wash with soap and water.

**Symptoms/Injuries:** Not expected to present a significant hazard under anticipated conditions of normal use. This product contains beneficial microorganisms. Al-Par Peat Co. uses non-pathogenic beneficial microorganisms that are considered to be non-allergenic, non-irritating and non-sensitizing when used as directed. This product may cause adverse effects to individuals allergic to molds and/or fungi and should not be used by immunocompromised and/or immunosuppressed individuals.

## **5. FIRE AND EXPLOSION DATA**

Extinguishing Media:	Use extinguishing media appropriate for surrounding fire. Foam, dry powder, carbon dioxide, water spray, and/or sand.
Special Hazards:	Not considered a fire hazard. Not considered an explosion hazard. However, void static electricity discharges.
Fire Extinguishing Media:	Use water spray or fog for cooling exposed containers. CO <sub>2</sub> , or dry chemicals may be used.
Protective equipment for firefighters:	As with any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Precautions:	No precautions are necessary under normal conditions of use. As with any dust avoid high concentrations.

## **6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions, protective equipment and emergency procedures:	Take all additional action necessary to prevent and remedy the adverse effects of the spill.
Environmental precautions:	In case of spill, collect material immediately. This product should be prevented from entering bodies of water such as sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Methods and material for containment and cleaning:	On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials. Collect all waste in suitable and isolated containers and dispose according to local legislation. Residue may be washed down with water.

## **7. HANDLING AND STORAGE**

Precautions for safe handling:	Wash hands and other exposed areas with mild soap and water before eating, drinking, smoking, chewing gum, or using the toilet. Avoid dust formation. Provide adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid breathing dust if formed.
Hygiene measures:	Wash hands thoroughly after handling. Handle in accordance with good industrial hygiene and safety practices.
Storage:	Preferable storage is in the original container in a cool, well ventilated place away from direct sunlight and heat sources, extremely high or low temperatures. However, the product may be stored in all types of containers made of various materials of construction.  Keep away from food, drink, and animal feeding areas. Store at room temperature. Keep container tightly closed.
Incompatible material:	Avoid contact with strong oxidizing agents, acids, bases, reducing agents, disinfectants, fungicides, and/or biocides may inactivate.

## **8. EXPOSURE CONTROLS, PERSONAL PROTECTION**

Personal Protective Equipment:	Avoid all unnecessary exposure. Normal industrial protection gear is suggested, but not limited to: goggles or safety glasses, gloves, dust masks, and protective clothing.
Hand Protection:	Though not necessary, protective gloves may be worn.

Eyes and Face:	Though not necessary, safety glasses may be worn.
Respiratory:	No respirator is required under normal conditions of use. Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.
Skin:	Though not necessary, protective gloves and suitable protective clothing may be worn.
Other:	Do not eat, drink, or smoke while using.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Dark brown/red powder
Color:	Dark brown/red, chocolate brown
Odor:	slight odor of rich soil
pH:	8.3
Melting Point (degC):	N/A
Freezing Point (degC):	N/A
Boiling Point (degC):	N/A
Evaporation Rate:	N/A
Flammability (solid, gas):	N/A
Explosive Limits:	N/A
Explosive Properties:	N/A
Oxidizing Properties:	N/A
Vapor Pressure:	N/A
Bulk Density:	5.5
Solubility in H2O:	100% soluble

## **10. STABILITY AND REACTIVITY**

Reactivity:	Stable
Chemical Stability:	Stable under normal recommended storage and handling conditions.
Possibility of hazardous reactions:	Hazardous polymerization will not occur.
Conditions to avoid:	Direct sunlight. Extremely high or low temperatures. Heat sources. Incompatible materials.
Incompatible materials:	Acids, bases, oxidizing agents, reducing agents, disinfectants, fungicides, and/or biocides may inactivate.
Hazardous decomposition products:	Thermal decomposition generates: Fume. Carbon monoxide. Carbon dioxide. Hydrocarbons.

## **11. TOXICOLOGY INFORMATION**

Active ingredient is practically non-toxic, non-allergenic and non-pathogenic to mammals. Pre-existing medical conditions should not be aggravated by exposure. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

## **12. ECOLOGICAL INFORMATION**

Active ingredient is practically non-toxic, non-allergenic and non-pathogenic to fish, non-target insects, non-target plants and freshwater invertebrates.

Other information:	Avoid release to the environment. For terrestrial uses. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate.
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## **13. DISPOSAL CONSIDERATIONS**

Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be

avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

## **14. TRANSPORTATION INFORMATION**

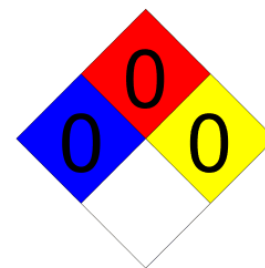
Department of Transportation (DOT): Not regulated  
Additional Information:  
ADR: No additional information available  
Transport by sea: No additional information available  
Air transport: No additional information available

## **15. REGULATORY INFORMATION**

United States - Not regulated  
This material is not considered hazardous according to the criteria of the US OSHA Hazard Communication Standard.  
California Proposition 65: This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm.  
SARA Hazard Class None  
SARA 313 NO  
SARA 302 NO  
CERCLA NO  
RQ NONE  
RCRA NO

## **16. OTHER INFORMATION**

Abbreviations and acronyms: CAS – Chemical Abstracts Service. GHS – Globally Harmonized System. HCS – Hazard Communication Standard. OSHA – Occupational Safety and Health Administration.  
Date of SDS preparation: October 24<sup>th</sup>, 2017  
Contact: Al-Par Peat Co.  
5900 Henderson Rd.  
Elsie, MI 48831  
Phone: (989) 661-7850  
Other Information: None  
NFPA Health Hazard: 0 – Exposure under fire conditions would offer no hazard beyond that of ordinary combustible materials.  
NFPA Fire Hazard: 0 – Materials that will not burn.  
NFPA Reactivity: 0 – Normally stable, even under fire exposure conditions, and are not reactive with water.



This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

This information presented in this Safety Data Sheet (SDS) is subject to revisions and is not all inclusive, but represented as the best information available to date. This information was drawn from recognized sources, believed to be reliable. However, Al-Par Peat Co. will not be responsible for damages of any kind resulting from the use or reliance upon such information. The product discussed is sold without warranty, expressed or implied, and upon conditions that purchasers shall perform their own verification and testing to determine its suitability for a particular purpose.