



# SAFETY DATA SHEET

## ESTT- Septic Tank & Field Conditioner

### I. IDENTIFICATION

**GHS Product Identifier:** ESTT – Septic Tank & Field Conditioner  
**Other means of identification:** Septic Solutions  
**Product Type:** Powder  
**Application:** Septic Tanks & Drain Fields  
**IHC:** 3824.90.91.50  
**Manufacturer Details:** Earth Smart Solutions  
10, 5081 Hwy 549 W  
DE Winton, AB T0L 0X0  
1-866-444-7174  
**Toll Free:** 403-264-9606  
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### II. HAZARD IDENTIFICATION

Classification of the substance or mixture:



GHS03 Flame over circle

Oxidizing Solids – Category 2

H272 May intensify fire; oxidizer.

**GHS label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms**



GHS03

**Signal word:** Warning

**Hazard statements:** H272 May intensify fire; oxidizer.

**Precautionary statements:**

- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Keep away from clothing and other combustible materials.
- Wear protective gloves/protective clothing/eye protection/face protection.
- In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

### III. COMPOSITION

**Chemical characterization:** Mixture

**Description:** Mixture of the substances listed below with nonhazardous additions.

**Dangerous components:** Void

Ingredient Name	% by weight	CAS Number
Viable Bacterial Culture	2-8	NA
Enzymes	1-2	NA
Wheat Bran	35-50	NA
Soda Ash	13-20	497-19-8
Sodium Sulphate	15-25	7757-82-6

**Additional information:** The specific chemical identity and/or exact percentage composition has been withheld as a trade secret. **ESAE** is produced in accordance with NOSB (National Organic Standards Board) guidelines. The materials used in the production process are derived from naturally occurring and sustainable sources and are consistent with organic principals and the National List of Allowed Substances. **ESAE** does NOT contain synthetic chemicals, animal components, animal by-products, manure or manure by-products. **ESAE** is environmentally safe and is not harmful to animals, plants or humans.

### IV. FIRST AID MEASURES

**Eye Contact:** Exposure to airborne concentrations above statutory or recommended exposure limits may cause severe eye irritation, risk of serious eye lesions.

**First Aid:** Immediately flush eyes with cold water, continue to rinse for 15-20 minutes, keeping eyelids open. Contact physician if irritation occurs.



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**Recommended Precautions:** ANSI approved safety glasses with side protection. Avoid creating dust in an enclosed environment.

**Skin Contact:** Exposure may cause irritation if a person has a history of dermal allergic reaction. Do not use on open wounds or irritated skin.

**First Aid:** Remove contaminated clothing. Wash with soap and water. Wash clothing before reuse.

**Recommended Precautions:** Limit exposure.

**Ingestion:** Considered non-toxic but may lead to nausea or diarrhea.

**First Aid:** Wash out mouth with water. If material has been swallowed, have conscious person drink several glasses of water or milk. DO NOT induce vomiting. Contact physician as required.

**Recommended Precautions:** Limit exposure, store in safe place.

**Inhalation:** Exposure to airborne concentrations above statutory or recommended exposure limits may cause slight irritation of the nose, throat and lungs.

**First Aid:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband. Contact physician as required.

**Recommended Precautions:** Use approved respiratory mask as required, avoid creating dust in non-ventilated areas.

**General Precautions:** No danger from handling water soluble pouches. Wash hands after handling free product.

**Most important symptoms and effects, both acute and delayed:** The symptoms and effects are as expected from the hazards shown in section 2. No specific product related symptoms are known. No further relevant information available.

**Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

### V. FIRE – FIGHTING MEASURES

**Extinguishing Media:** Water

**Special Fire Fighting Procedures:** None – Product isn't flammable and can be quickly diluted with clean water.

**Special Fire Hazards Procedures:** Oxidizing substance that causes exothermic reactions with organic materials.

**Advice for firefighters:** Self-contained breathing apparatus

**Protective equipment:** Wear self-contained respiratory protective device. Wear fully protective suit.

### VI. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Not required.

**Environmental precautions:** No special measures required.

**Small Spill:** Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Can be washed away with large amounts of water.

**Large Spill:** Move containers from spill area. Vacuum or sweep up material and place in a designated labeled waste container. Avoid creating dusty conditions and prevent wind dispersal.

**Reference to other sections:**

- See Section 7 for information on safe handling
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

### VII. STORAGE & HANDLING

**Storage:** Store in dry, cool, and well-ventilated area, and out of direct sunlight. Storage temperature should be between 41°F and 104°F (5°C and 40°C).

**Handling:** Do not ingest. Avoid contact with skin and eyes. Avoid breathing vapors.

**Advice on General occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

### VIII. EXPOSURE CONTROL

**Components with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Hand protection:** Chemical-resistant, Impervious gloves should be worn always when handling chemical products.

**Body protection:** Personal protective equipment for the body should be selected based on the task being performed and the risk involved.

**Other skin protection:** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.



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**Respiratory protection:** Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification.

**Exposure controls:** Use local exhaust ventilation to control airborne concentrations below exposure limits.

### IX. PHYSICAL / CHEMICAL PROPERTIES

Physical state:	Powder
Color:	Pink
Odor:	Characteristic
Odor threshold:	Not determined
PH:	Not applicable
Melting point:	Undetermined
Boiling point:	Undetermined
Flash Point:	Not applicable
Evaporation rate:	Not applicable
Flammability (solid, gas):	Not determined
Lower and upper explosive:	Not determined
Vapor pressure:	Not applicable
Vapor density:	Not applicable
Density at 20°C:	1.137 g/cm <sup>3</sup>
Solubility in water:	Disperses in water
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition:	Product is not self igniting
Decomposition temperature:	Not determined
Viscosity (dynamic/ kinematic):	Not applicable

### X. STABILITY & REACTIVITY INFORMATION

**Reactivity:** No further relevant information available.

**Chemical stability:** Stable under normal conditions.

**Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions won't occur.

**Conditions to avoid:** Prevent dust accumulations.

**Incompatible materials:** No further relevant information available.

**Hazardous decompositions products:** Under normal conditions of storage and use, hazardous decompositions products should not be produced.

### XI. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

##### Primary irritant effect

**on the skin:** Based on available data, the classification criteria are not met.

**on the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:** The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

##### Carcinogenic categories

**IARC (International Agency for Research on Cancer):** IARC Category 3 - Not classifiable as to its carcinogenicity to humans

**NTP (National Toxicology Program):** None of the ingredients is listed.

### XII. ECOLOGICAL INFORMATION

#### Toxicity

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability:** No further relevant information available.

#### Behavior in environmental systems

**Bio Accumulative Potential:** No further relevant information available.



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**Mobility in Soil:** No further relevant information available.

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other Adverse Effects:** No further relevant information available.

### XIII. DISPOSAL INFORMATION

**Disposal Methods:** The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirement of all authorities with jurisdiction. Waste packaging should be recycled.

### XIV. TRANSPORT CONSIDERATIONS

	<b>TDG Classification</b>	<b>DOT Classification</b>	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA</b>
<b>UN Number</b>	Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
<b>Un proper shipping name</b>	-	-	-	-	-
<b>Transport Hazard Class(es)</b>	-	-	-	-	-
<b>Packing group</b>	-	-	-	-	-
<b>Environmental Hazards</b>	No	No	No	No	No

**Special precautions for user:** Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

### XV. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### Sara

**SARA Section 355 (extremely hazardous substances):** None of the ingredients is listed.

**SARA Section 313 (specific toxic chemical listings):** None of the ingredients is listed.

**TSCA (Toxic Substances Control Act) (Substances not listed):** Wheat

#### Canadian substance listings

**Canadian Domestic Substances List (DSL) (Substances not listed):** All ingredients are listed.

**GHS label elements:** The product is classified and labeled according to the Globally Harmonized System (GHS).

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

Fully complies with EPA Toxic Substance Control Act (TSCA) and the rules, orders and regulations promulgated there under including:

- Sections 4, 5, 6 & 7; Title 40 Chapter 1, 707.20 thru 707.75;
- 40 CFR Sections 704.3, 710.2(e) and 720.3(c); and
- Sections 5 and 13, reference 42FR64583
- Does not contain marine pollutants as defined in 49 CFR 171.8.

### XVI. OTHER INFORMATION

**Information Sources:** Suppliers SDSs, DSL, TSCA, EPA, IARC, NTP, OSHA.

**Prepared By:** SDS Coordinator

**Date:** February 15, 2018 - Last Rev: July 2023

#### **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
PBT: Persistent, Bio accumulative and Toxic  
vPvB: very Persistent and very Bio accumulative