

SAFETY DATA SHEET

SECTION 1. PRODUCT AND COMPANY INFORMATION

Trade Name (as labeled): ROOTSTEM-H™

Recommended Use: Refer to product label

Manufactured By: AgroPlantae Inc.
2976 S Peach Ave
Fresno, CA 93725

Business Phone: (559) 498-0388

Emergency Phone: CHEMTREC (800) 424-9300

Date of Preparation: November 2020

SECTION 2. Hazard(s) identification

Label elements

Hazard symbol: 

Signal Word: WARNING

Hazard statement: Causes skin and eye irritation.

Precautionary statement

Prevention: Observe good industrial hygiene practices.

Response: Wash hands after handling.

Storage: Store away from incompatible materials.

Disposal: Dispose of waste and residues in accordance with local authority requirements.

Physical hazards: Not classified

Health hazards: Not classified

Environmental hazards: Not classified

OSHA defined hazards: Not classified

Symptoms Of Over Exposure

Eyes: Not classified

Skin: Not classified

Inhalation: Not classified

Ingestion: Not classified

Hazard(s) not otherwise classified (HNOC): None known.

Supplemental information: None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is labeled with the following GHS classifications, as it contains substances that present hazards within the meaning of the relevant State and Federal Hazardous Substances regulations. This product is a proprietary blend and the ingredients and mixture percentages are being withheld as a trade secret.

Ingredient/Chemical Designations	CAS No.:	Weight %:
Proprietary blend fertilizer solution	Proprietary	100

NE = Not Established

NA = Not Available

SECTION 4. FIRST-AID MEASURES

<u>If Inhaled:</u>	Remove to fresh air. If breathing becomes difficult, contact a medical physician. Give artificial respiration if victim is not breathing and obtain immediate medical attention.
<u>If Ingested:</u>	Call physician or Poison Control Center immediately for most current information. Do not induce vomiting.
<u>In Case Of Skin Contact:</u>	Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Seek medical attention if skin irritation or burning persists.
<u>In Case Of Eye Contact:</u>	Flush immediately with water for at least 15 minutes, lifting the upper and lower eyelids occasionally. Contact a medical physician immediately.

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point: Non-flammable.
Test Method: Not pertinent.
LEL Flammable Limits: Not pertinent.
UEL Flammable Limits: Not pertinent.
Autoignition Temperature: Not pertinent.
Extinguishing Media: Non-flammable liquid. Use media suitable to extinguish source of fire.
Unusual Fire and Explosion Hazards: Not pertinent.
Special Firefighting Procedures: Avoid exposure to smoke, fumes, or mists. Contain any liquid runoff.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill And Leak Response: For small or incidental spills, the minimum personal protective equipment should be rubber gloves, rubber apron, and chemical goggles. Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. For large spills, contain by diking with soil or other non-combustible absorbent material. Keep material out of sewers, storm drains, and surface waters. Comply with all applicable government regulations on spill reporting, handling, and waste disposal.

SECTION 7. STORAGE AND HANDLING

Storage Practices: Store in a cool (above 32°F), dry, well-ventilated area. This product should be stored in tanks constructed of stainless steel, fiberglass, polypropylene, or polyethylene. Valves should be inspected on a regular basis and replaced as needed to prevent leakage. Transfer equipment should be constructed of stainless steel or chemical-resistant plastic.

Handling Practices: Keep away from incompatible materials. Do not breathe mists. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Wash with soap and water after handling.

Work/Hygiene Practices: Avoid getting chemicals ON YOU or IN YOU. Wash hands with soap and water after handling chemicals. Do not eat or drink around or while handling chemicals. Keep out of reach of children.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation/Engineering Controls: Use with adequate ventilation.

Respiratory Protection: If work conditions generate vapors or mist, wear a NIOSH approved respirator.

Eye Protection: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, contact lenses should not be worn when working with chemicals.

Hand Protection: Rubber gloves with gauntlets.

Body Protection: Use body protection appropriate for task. Chemical-resistant coveralls and rubber aprons are generally acceptable.

Other Protective Measures: An eyewash and safety shower should be nearby and ready for use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid	Appearance: Dark reddish
Upper/lower flammability or explosive limits: NA	Odor: Slight odor
Vapor Pressure: NA	Odor threshold: NA
Vapor Density (air = 1): NA	pH: (5% solution) 6.5 - 7.5
Relative Density: 10.3 lbs/gallon	Melting point: NA
Freezing Point: <32 ° F	Water Solubility: 100%
Initial Boiling point and boiling range: >212° F	Flash Point: NA
Evaporation rate: NA	Flammability: NA
Partition coefficient: NA	Auto-ignition temperature: NA
Decomposition temperature: NA	Viscosity: NA
Specific Gravity (H2O = 1): 1.23	NA= Not Available

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions To Avoid: High temperatures, strong bases and oxidizing agents.

Incompatibility: Strong oxidizing agents.

Hazardous Polymerization: Will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity Data: Not Available

Acute Effects:

Eyes: Irritant. May cause redness, burning, inflammation, and/or damage.

Skin: Irritant, especially with prolonged exposure.

Ingestion: May cause gastrointestinal irritation.

Inhalation: May cause irritation to mucous membranes, coughing, or breathing difficulties.

Chronic Effects: Not currently known, where the product is used under condition of good industrial hygiene.

SECTION 12. ECOLOGICAL INFORMATION

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 by cleaning of equipment or disposal of wastes.

Effect Of Material On Plants/Animals: May be harmful to fish, livestock, and wildlife. Dissolved mineral salts may cause irritation of the digestive tract. Non-persistent. Non-cumulative when applied using normal agricultural practices.

Effect Of Material On Aquatic Life: Releases of large quantities into a body of water can substantially alter the nutrient composition of the water and affect aquatic plant and animal life. Sub-lethal concentrations in water can have adverse physiological effects on marine species.

SECTION 13. DISPOSAL CONSIDERATIONS

Do not contaminate lakes, streams, ponds, estuaries, oceans, or other waters by discharge of waste effluents or equipment rinsate. Dispose of waste effluents according to federal, state, and local regulations. Chemical additions or other alterations of this product may invalidate any disposal information in this SDS.

SECTION 14. TRANSPORTATION INFORMATION

This material is not regulated by US DOT for highway transportation. Other shipping information: Fertilizing Compounds (Manufactured), Liquid, NMFC Item 68140 Sub 6, LTL Class 70.

SECTION 15. REGULATORY INFORMATION

SARA Reporting Requirements: This material does contain toxic chemicals subject to the requirements of Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986.

California Proposition 65:

WARNING. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.



WARNING:
Cancer and Reproductive Harm
www.P65WARNING.ca.gov

SECTION 16. OTHER INFORMATION

Further Information: Not available

Disclaimer: The information and recommendations herein are taken from data contained in independent, industry recognized references including NIOSH, OSHA, ANSI, and NFPA. This information is, as of date listed above, true and accurate to the best of AgroPlantae, Inc. knowledge. It is intended for use by persons possessing technical knowledge and at their own discretion and risk. Since actual use is beyond our control, no guarantee, express or implied, and no liability is assumed by AgroPlantae, in conjunction with the use of this information. Actual conditions of use and handling may require consideration of information other than, or in addition to, that which is provided herein.