



# SAFETY DATA SHEET

**Rhizolizer®**  
**Soil Amendment**

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Rhizolizer®

**Product Code:** None

**Product Use:** Soil Amendment

**Restrictions on Use:** Use as recommended by the label.

**Manufacturer:** Locus Agricultural Solutions, LLC

**Address:** 30500 Aurora Rd., Ste 180 Solon, OH 44139

**Phone Number:** For general information, contact Locus Agricultural Solutions at (888) 331-5008

If you don't feel well, contact your doctor or care provider.

**Emergency Number:** In case of an emergency, contact Chemtrec at (800) 424-9300

## SECTION 2: HAZARDS IDENTIFICATION

**Hazard Symbol:** None

**Signal Word:** None

**Hazard Statement:** Not a Dangerous Substance according to GHS classification or other known OSHA hazards as noted in OSHA Communication Standard (HCS) (29 CFR 1910.1200).

**Prevention Statements:** Wear eye goggles and gloves. Avoid breathing spray.

**Response:** Wash hands after handling.

**Storage:** Keep Container tightly closed and refrigerated at ideally 4-10°C.

**Disposal:** Dispose of contents/container in accordance with local/regional/national/international regulations.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<b>INGREDIENT:</b>	<b>CAS NO.</b>	<b>% WT</b>
Water	7732-15-3	54
Glycerin	56-81-5	36
Bacillus <i>amyloliquefaciens</i> + Trichoderma <i>harzianum</i>	None	10

## SECTION 4: FIRST AID MEASURES

**EYES:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If necessary, seek medical advice.

**SKIN:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get immediate medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

**INGESTION:** Clean mouth with water and afterwards, drink plenty of water. Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**INHALATION:** If inhaled, move to fresh air. Consult a physician if necessary.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use water spray, dry chemical, foam or carbon dioxide. Use water spray to cool drums exposed to fire.

**Special Exposure Hazards:** None known

**Special Protective Equipment/Procedures for Firefighters:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment:** Use personal protective equipment.

**Environmental Precautions:** Do not flush into surface water or sanitary sewer system. Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Spills may be reportable to the National Response Center (800-424-8802).

**Containment/Clean-up Methods:** Soak up with inert absorbent material. Shovel or sweep up. Keep in suitable, closed containers for disposal. Never return spills in original containers for re-use.

**Additional Advice:** Material can create slippery conditions.



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## SECTION 7: HANDLING AND STORAGE

**Handling:** Ventilate. Avoid breathing vapors or mist. Avoid direct or prolonged contact with skin and eyes.

**Storage:** Product can be stored in a sealed container in a cool temperature. Avoid freezing or overheating. Keep container **tightly sealed**.

## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Engineering Controls:** Provide effective ventilation system where available.

**Respiratory Protection:** When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. For dust, splash, mist, or spray exposures, wear a filtering mask.

**Skin and Body Protection:** Footwear protecting against chemicals and impervious clothing.

**Eye Protection:** Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. For dust, splash, mist or spray exposure, wear chemical protective goggles.

**Work Hygiene Protection:** Personal hygiene is critical to practice limiting exposure of the material to the operator, and the following practices should be observed: 1) Do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored, 2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using toilet, and 3) Wash exposed skin promptly to remove accidental splashes or contact with material.

**Exposure Guidelines:** Ensure that eyewash stations and safety showers are close to the workstation location.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Similar to thick pea soup

**Odor:** Mild sour smell

**Odor Threshold:** No data

**pH:** 5.0

**Melting:** Not established

**Boiling Point:** Not established

**Flash Point:** Not applicable

**Evaporation Rate:** No data

**Flammability (Solid, Gas):** No data

**Upper/Lower Flammability Limits:** No data

**Density:** 8.34 lbs./gallon

**Vapor Density:** Not applicable

**Specific Gravity:** No data

**Solubility:** Soluble

**Partition Coefficient (N-Octanol-Water):** No data

**Auto-ignition temperature:** No data

**Decomposition temperature:** No data

**Viscosity:** Very viscous

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity Hazards:** Not established

**Chemical Stability:** Stable under recommended storage conditions.

**Conditions to Avoid:** Repeated freezing and thawing, storing at high temperature.

**Incompatible Material:** Strong oxidizing agents, strong acids.

**Hazardous Decomposition Products:** No dangerous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

**Ingestion:** No adverse effects expected with unused material.

**Inhalation:** Excessive inhalation may cause irritation of mucus membranes and upper respiratory tract.

**Eyes:** May irritate eyes.

**Skin:** No adverse effects expected.

**Sensitization:** No adverse effects expected.

**Medical Conditions Aggravated by Exposure:** None known currently.

**Germ Cell Mutagenicity:** No specific data is available, but this product is not expected to present a germ cell mutagenicity hazard.

**Carcinogen Status:** This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be probably or suspected human carcinogens.

**Reproductive Toxicity:** No specific data is available, but no expected reproductive toxicity.

**Repeat Dose Toxicity:** No toxicity data available.



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## SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:** No data available

**Persistence/Degradability:** No data available

**Bioaccumulation Potential:** No data available

**Mobility in Soil:** No data available

**Other Adverse Effects:** No data available

**Results of PBT and vPvB Assessment:**

**PBT:** Not applicable

**vPvB:** Not applicable

## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal Methods:** Should not be released into the environment. Chemical additional, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material. Dispose of in accordance with local regulations.

**Contaminated Packaging:** Containers must be disposed of in accordance with local, state and federal regulations. RCRA

**Hazard Class:** None

## SECTION 14: TRANSPORT INFORMATION

**U.S. Department of Transportation:** Not regulated by DOT

## SECTION 15: REGULATORY INFORMATION

Not applicable

## SECTION 16: OTHER INFORMATION

**DISCLAIMER:** The data provided on this Safety Data Sheet (SDS) is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. It should be used in conjunction with technical sheets, but do not replace them. Thus, the information is only related to the designated specific product and may not be applicable if such product is used in combination with other materials or in another manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.

**SDS Preparation Date:** November 9, 2018

**Prepared By:** Locus Agricultural Solutions, LLC