

SAFETY DATA SHEET

Revival Foliar Treatment

Revised Date: 03/07/2017

Print Date: 03/07/2017

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Elemental Enzymes Revival Foliar Treatment
PRODUCT CODES: G59, G61
EPA REGISTRATION NO:

USES OF THE SUBSTANCE: Various agricultural applications
RESTRICTIONS ON USE: See product label for restrictions

INFORMATION ON SUPPLIER

SUPPLIER: Elemental Enzymes Ag & Turf, LLC
ADDRESS: 1685 Galt Industrial Blvd., Saint Louis, MO
USA 63132

PRODUCT INFORMATION: 314-429-2885
EMERGENCY TELEPHONE NO: 314-429-2885
FAX: 314-429-2806

SECTION 2: HAZARDS IDENTIFICATION

FOR EPA FIFRA-SPECIFIC INFORMATION SEE SECTION 15

CLASSIFICATION: NOT A DANGEROUS SUBSTANCE OR MIXTURE ACCORDING TO THE GLOBALLY HARMONIZED SYSTEM (GHS)

LABEL ELEMENTS:



SIGNAL WORD: Warning

HAZARD STATEMENTS: Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.

PRECAUTIONARY STATEMENTS: Wear protective gloves/protective clothing/eye protection/face protection
Wash skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not ingest
May cause nausea, vomiting, or diarrhea
Harmful if inhaled. May cause throat irritation and respiratory discomfort.
Avoid breathing mist and spray
Use only outdoors or in a well-ventilated area
IF INHALED: REMOVE VICTIM to fresh air and keep at rest in a position comfortable for breathing
Call a POISON CENTER if you feel unwell.
May cause mild to severe eye irritation.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): Preservative component may induce skin sensitization.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

ACTIVE INGREDIENTS:	Concentration % by weight	CAS-NO.
Proprietary compounds	1.3%	N/A
INACTIVE INGREDIENTS:	Concentration % by weight	CAS-NO.
Other ingredients	98.2%	N/A
Preservative	0.5%	N/A

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SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

GENERAL:	If symptoms persist, seek medical attention. When possible, show the product label or this safety data sheet to the doctor in attendance.
INHALATION:	Move to fresh air. If the person is not breathing, call 911 and/or ambulance and give artificial respiration. Seek medical attention immediately. If a cough or other medical symptoms develop, contact medical personnel.
EYES:	May cause mild to severe irritation. Promptly rinse eyes with plenty of water for at least 15-20 minutes. Remove contact lenses if present after 5 minutes and continue rinsing eyes. If irritation persists, seek medical attention.
SKIN:	May cause mild to moderate skin irritation. Promptly wash off with soap and plenty of water. Remove contaminated clothing and shoes. If redness, itching, or burning sensation develops, seek medical attention.
INGESTION:	May cause nausea, vomiting and diarrhea. Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention immediately.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

SYMPTOMS: Not expected to present a significant hazard under anticipated conditions of normal use. The most important known symptoms and effects are described in section 2 or section 11.

SYMPTOMS AFTER SKIN CONTACT: May cause irritation to the skin.

SYMPTOMS AFTER EYE CONTACT: May cause irritation to the eyes.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED: Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES

EXTINGUISHING MEDIA:

SUITABLE EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire. Foam, dry powder, carbon dioxide, water spray, sand.

UNSUITABLE EXTINGUISHING MEDIA: None known

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

EXPLOSION HAZARD: Not applicable

REACTIVITY: Combustion may yield carbon dioxide, carbon monoxide, nitrogen oxides, sulfure oxide, ammonia, or hydrogen chloride gas

FLASH POINT: No point known in liquid state

ADVICE FOR FIREFIGHTERS: Wear NIOSH/MSHA approved self-contained breathing apparatus pressure-demand, and full protective gear if necessary. Do not breathe fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PRECAUTIONS: Evacuate unnecessary personnel.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:

METHODS FOR CLEAN UP: Stop the flow of material. On land, soak up spills with adsorbant or inert material such as sand, soil, or vermiculite. Collect and transfer the product to container. Rinse area with water. Dispose of in accordance with federal, state, and local regulations. In water, this material will disperse or dissolve in water. Stop the source of the release. Contain and isolate to prevent further release into soil, surface water and ground water.

PERSONAL PRECAUTIONS: Wear eye and respiratory equipment during cleanup. Ensure adequate ventilation.

ENVIRONMENTAL PRECAUTIONS: Prevent entry into waterways or wastewater canal. Keep out of sewers and drains. Do not dispose into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of National Pollution Discharge Elimination System (NPDES) permit and the permitting

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authority has been notified in writing prior to discharge. For guidance, contact you State Water Board or regional EPA office.

REFERENCE TO OTHER SECTIONS: Information regarding safe handling, see section 7.
Information regarding personal protective equipment, see section 8.
Information regarding waste disposal see section 13.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING AND STORAGE:

HANDLING: Ensure adequate ventilation. Handle container in a manner to prevent spillage. Avoid breathing vapors. Do not get in eyes or on clothing.

HYGIENE MEASURES: Wash hands and other exposed areas with soap and water after handling before drinking, eating, smoking, or applying cosmetics and when leaving work.

STORAGE: Store in a cool, dry, place away from sunlight, heat, and extreme conditions upright in original container. Keep out of reach of children and away from food and feed.

INCOMPATIBLE MATERIALS: Acids, bases, oxidizing agents, reducing agents and disinfectants may inactivate.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT EXPOSURE LIMITS: None under normal use conditions.

ENGINEERING CONTROLS: Ensure adequate ventilation and maintain good industrial hygiene and safety practices.

RESPIRATORY PROTECTION: None is needed under adequate ventilation conditions.

EYE PROTECTION: Wear approved safety glasses with side shields.

SKIN PROTECTION: Wear suitable protective clothing, including long sleeves, long pants, socks, and shoes. Wear nitrile, neoprene, or rubber protective gloves. Wash hands after use.

OTHER INFORMATION: Follow manufacturer's instructions for cleaning/maintaining PPE. Wear clothing appropriate to for all working conditions and all chemicals being handled. Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Cloudy, yellowish-white liquid

ODOR: Fatty odor

ODOR THRESHOLD: No data available

PHYSICAL STATE: Liquid

pH AS SUPPLIED: 6.0-7.0

BOILING POINT: No data available

MELTING POINT: No data available

FREEZING POINT: No data available

VAPOR PRESSURE (mmHg): No data available

SPECIFIC GRAVITY (H₂O = 1): 1.02

EVAPORATION RATE: No data available

SOLUBILITY IN WATER: Dispersible in water

DECOMPOSITION TEMPERATURE: No data available

DENSITY: 8.48 lbs/gal (Bottle Method)

PERCENT VOLATILE: No data available

VISCOSITY: No data available

FLASH POINT: No data available

AUTO-IGNITION TEMPERATURE: No data available

LOWER EXPLOSION LIMIT: No data available

UPPER EXPLOSION LIMIT: No data available

EXPLOSIVITY: No data available

OTHER INFORMATION: Further safety related physical-chemical data are not known.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None under normal conditions.

STABILITY: Stable under normal conditions, susceptible to extreme conditions and prolonged or excessive heat.

CONDITIONS TO AVOID: Prolonged or excessive heat and open flame

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INCOMPATIBILITY (MATERIAL/CONDITIONS TO AVOID):

Strong oxidizing agents, strong reducing agents, acids, bases, direct sunlight. May corrode mild steel, aluminum, brass, copper, and other metals

POSSIBILITY OF HAZARDOUS REACTIONS:

No hazardous polymerization will occur

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

No decomposition products expected under normal conditions of use. Under extreme conditions, irritating gases may form.

SECTION 11: TOXOLOGICAL INFORMATION

ACUTE TOXICITY: No data available
SKIN CORROSION/IRRITATION: No data available
EYE IRRITATION: No data available
SKIN IRRITATION: No data available
INHALATION: No data available

INFORMATION ON TOXICOLOGICAL EFFECTS:

GERM CELL MUTAGENICITY: No data available
REPRODUCTIVE: No data available
SPECIFIC ORGAN TOXICITY: No data available
ASPIRATION HAZARD: No data available

FUTHER INFORMATION:

IARC/NTP/OSHA: No ingredients in this product are listed as a carcinogen by IARC, ACGIH, NTP, or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Do not empty into drains.
PERSISTENCE AND DEGRADABILITY: Persistence is unlikely based on available information.
BIOACCUMALITIVE POTENTIAL: No additional information available
MOBILITY IN SOIL: Likely to be mobile in the environment.
OTHER ADVERSE EFFECTS: No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with Federal, State, and local regulations.
ECOLOGY WASTE MATERIALS: Avoid release into the environment.

SECTION 14: TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT)
SHIPPING DATA: Not dangerous goods
CANADIAN TDG: Not dangerous goods
TRANSPORT BY SEA: No additional information available
TRANSPORT BY AIR: No additional information available

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS:

EPA: _____

TSCA: All ingredients in this product are listed or exempt from listing on the United States Environmental Protection Agency TSCA Chemical Inventory.

INTERNATIONAL REGULATIONS:

CEPA: All ingredients in this product are listed or exempt from listing on Canada's DSL/NDSL. No additional information available

SECTION 16: OTHER INFORMATION

ABBREVIATIONS AND ACRONYMS: CAS – Chemical Abstracts Service. GHS – Globally Harmonized System. HCS – Hazard Communication Standard. OSHA – Occupational Safety and Health Administration.

HMIS CLASSICATION: Health = 1 Flammability = 0 Reactivity = 0 Personal Protection = B

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DISCLAIMER: Read and follow all label directions and precautions before using the product. These products are intended for agricultural use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes any legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of the data and information must be determined by the user to be in accordance with the applicable Federal, State, and local laws and regulation.