



## SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ENDURANT PERENNIAL RYE (PR)

**MANUFACTURER:** Geoponics Corp.  
3415 Radio Road # 105  
Naples, FL 34104

**EMERGENCY PHONE:** 1-800-424-9300 CHEMTREC  
**COMPANY PHONE:** 239.261.6500  
**FAX PHONE:** (239)692.8653

**TRADE NAME:** Endurant Perennial Rye  
**SYNONYMS:** Pigment dispersion  
**FORMULA:** Proprietary

**CHEMICAL FAMILY:** Pigment Dyestuff

### SECTION 2: COMPOSITION/INFORMATION OF HAZARDOUS INGREDIENTS

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>%CONCENTRATION</u>
Water	7732-18-5	40 - 60
Aqueous Pigment dispersion	1328-53-6	5 - 10
Aqueous Pigment dispersion	5567-15-7	5 - 10
Styrene Acrylic Copolymer	25085-34-1	4 - 8
Alcohol Ethoxylate	61827-42-7	4 - 8
V. Brown 11 50%	12227-27-9	> 1.5
Carbon Black Dispersion	1333-86-4	> 1.0
Carboxymethylcellulose Gum, Aqualon	9004-32-4	> 1.0

**Notes:** None under 29 CFR 1910.1200  
None under Title III of SARA

### SECTION 3: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:**

**Ingestion:** relative to other materials, a single dose of this product in practically nontoxic by ingestion  
**Eye Contact:** this product may mildly irritate human eyes  
**Skin Contact:** not likely to be a skin irritant  
**Inhalation:** respiratory irritation is associated with this product

**ROUTES OF ENTRY:**

**EYES:** yes  
**SKIN:** yes  
**INGESTION:** yes  
**INHALATION:** yes

HMIS III	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARDS	0
PERSONAL PROTECTION	
Safety glasses/ Gloves	

**POTENTIAL HEALTH EFFECTS OF EXPOSURE:**

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No information was found in the public literature for any effects of exposure and no health evaluation is thus possible. Therefore, handle with care and avoid unnecessary exposures.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** No known effects on other illnesses for this product.

**CARCINOGENICITY**

OSHA:                    ACGIH: no                    NTP: no                    IARC: no  
OTHER: no

**SECTION 4: FIRST AID MEASURES**

**EYES:** Flush with running water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek prompt Medical attention if redness or irritation occurs.  
**SKIN:** Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.  
**INGESTION:** If Ingested, seek medical assistance immediately. Give one or two glasses of water to drink.  
**INHALATION:** Move victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** None known

**SECTION 5: FIRE-FIGHTING MEASURES**

**FLAMMABLE LIMITS IN AIR, UPPER:**  
(% BY VOLUME)                    **LOWER:**

**FLASH POINT:** > 200 deg. F  
**F:** Not determined  
**C:** Not determined

**AUTOIGNITION TEMPERATURE:**  
**F:** Not determined  
**C:** Not determined

**NFPA HAZARD CLASSIFICATION**  
**HEALTH:**                    **FLAMMABILITY:**                    **REACTIVITY:**  
**OTHER:**

**HMIS HAZARD CLASSIFICATION**  
**HEALTH:** 1                    **FLAMMABILITY:** 1                    **REACTIVITY:** 0  
**PROTECTION:** B

**EXTINGUISHING MEDIA:** Water  
Alcohol resistant foam  
Foam  
Carbon Dioxide  
Dry Chemical

**SPECIAL FIRE FIGHTING PROCEDURES:** None known

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known

**HAZARDOUS DECOMPOSITION PRODUCTS:** Burning organic pigments may emit noxious fumes which may include carbon monoxide, carbon dioxide, nitrous oxides, or other toxic compounds.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**ACCIDENTAL RELEASE MEASURES:**

Utilize recommended protective clothing and equipment. Contain spill. Spills should be swept or shoveled up and collected for disposal, avoiding the formation of dust. Clean up may be accomplished by flushing with a limited quantity of water if appropriate or by dust removal of contaminated soil. Place material or soil in appropriate waste disposal containers.

Spilled product should be collected and absorbed. Remove residuals with soap and water.

**SECTION 7: HANDLING AND STORAGE**

**HANDLING AND STORAGE:** Keep containers closed, avoid getting on skin or in eyes when handling product.

**OTHER PRECAUTIONS:** Store in accordance with standard approved warehousing procedures. Avoid freezing. Product may separate if allowed to stand over a long period of time.

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Storage Temperature: MAX 120F MIN 40F  
Indoor: preferred Outdoor: acceptable Heated: in the winter months Refrigerated: NA

SECTION 7 NOTES: A moderately cool, dry, well ventilated area is considered adequate for the storage of pigment containers. Direct source of heat must be avoided.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Local ventilation recommended – mechanical ventilation may be used.
VENTILATION :	None required with normal use of product.
RESPIRATORY PROTECTION:	HMIS PP, I   Safety Glasses, Gloves, Dust and Vapor Respirator
PERSONAL PROTECTIVE EQUIP:	HMIS PP, N   Splash Goggles
EYE PROTECTION:	Safety glasses or chemical splash goggles.
SKIN PROTECTION:	Butyl Rubber, PVC or Neoprene gloves.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:	Rubber apron
WORK HYGIENIC PRACTICES:	Recommend washing exposed parts with soap and water
EXPOSURE GUIDELINES:	Avoid getting on skin or in eyes.

SECTION 8 NOTES: Work Practices: avoid contact with the skin, eyes, and clothing. Avoid breathing vapors. Use with adequate ventilation. Wash thoroughly after handling product. Eye wash station and safety shower in work areas.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Green
ODOR:	Mild Latex Odor
PHYSICAL STATE:	Liquid
pH AS SUPPLIED:	8-9
pH (Other):	
BOILING POINT:	> 212 deg.F.
MELTING POINT:	Not determined
FREEZING POINT:	Not determined
VAPOR PRESSURE (mmHg):	Not determined
VAPOR DENSITY (AIR = 1):	Not determined
SPECIFIC GRAVITY (H2O = 1):	1.17-1.19 g/ml
EVAPORATION RATE:	Not determined

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (con't)

SOLUBILITY IN WATER:	Dispersible
PERCENT SOLIDS BY WEIGHT:	38%-56% range
PERCENT VOLATILE:	55-58%
BY WT/ BY VOL @	
F:	
C:	
VOLATILE ORGANIC COMPOUNDS (VOC):	None
WITH WATER:	LBS/GAL
WITHOUT WATER:	LBS/GAL

#### SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable
CONDITIONS TO AVOID (STABILITY):	not known
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong oxidizing agents and acids
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	burning organic pigments may emit noxious fumes which may include carbon monoxide, carbon dioxide, nitrous oxides, or other toxic compounds.
HAZARDOUS POLYMERIZATION:	Will not occur

#### SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:	Oral in rat for LD50 is > 5000mg/kg
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**SECTION 12: ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:** No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Small quantities may be treated in aerobic wastewater treatment systems. Larger quantities may be incinerated or landfill after solidification in permitted systems. Dispose of collected waste in accordance with federal, state, and local regulations.

**RCRA HAZARD CLASS:** No – Not as sold

**SECTION 14: TRANSPORT INFORMATION**

**U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:**  
**HAZARD CLASS:** Not hazardous  
**LABEL STATEMENT:** Not restricted

**WATER TRANSPORTATION**

**PROPER SHIPPING NAME:**  
**HAZARD CLASS:** Not hazardous  
**LABEL STATEMENTS:** Not restricted \*\*\* This product is not shipped by water\*\*\*

**AIR TRANSPORTATION**

**PROPER SHIPPING NAME:**  
**HAZARD CLASS:** Not hazardous  
**LABEL STATEMENTS:** Not restricted \*\*\* This product is not shipped by air\*\*\*

**OTHER AGENCIES:** Considered non-hazardous in transportation regulations

**SECTION 15: REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** All components of this product are listed on the TSCA Inventory.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Not regulated

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** This product contains no known chemicals that are on the list of toxic chemicals subject to the reporting requirements of Section 313 of the emergency planning & community right to know act of 1986 & of 40 CFR 372.

**311/312 HAZARD CATEGORIES:** None

**313 REPORTABLE INGREDIENTS:** None

**INTERNATIONAL REGULATIONS:** All components of this product are included on the European Inventory of Existing Chemical Substances in compliance with council directive 67/548/EEC and its amendments.

**SECTION 15 NOTES:** This product is not registered with the FDA

**SECTION 16: OTHER INFORMATION**

**OTHER INFORMATION:** None known

**PREPARATION INFORMATION:** IN ACCORDANCE WITH GOOD PRACTICES FOR PERSONAL CLEANLINESS AND HYGIENE. HANDLE WITH DUE CARE AND AVOID UNNECESSARY CONTACT WITH THIS PRODUCT.

**DISCLAIMER:** This information is supplied under the OSHA Hazard Communication Standard and is offered in good faith based on data available to us that we believe to be true and accurate. General industrial hygiene and safe handling procedures are believed to be applicable to this product. Each user should review these recommendations in the specific context of intended use and determine applicability. No warranty, expressed or implied, is made regarding the accuracy of this data, the hazards connected with the use of this material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of this product described herein. Data provided here are typical and not intended for use as product specifications

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