SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ENDURANT FW

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 FW**
SYNONYMS: **Pigment dispersion**
FORMULA: **Proprietary**

CHEMICAL FAMILY: **Pigment Dyestuff**

SECTION 2: COMPOSITION/INFORMATION OF HAZARDOUS INGREDIENTS

INGREDIENTS	CAS #	%CONCENTRATION
Water	7732-18-5	40 - 60
Aqueos Pigment dispersion	1328-53-6	5 - 10
Aqueos 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 accossiated with this product

ROUTES OF ENTRY:

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

INHALATION: yes

POTENTIAL HEALTH EFFECTS OF EXPOSURE:
No information was found in the public literature for any effects of exposure and no health evaluation is thus possible. Therfore, handle with car 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 eylids. 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.

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:	None known
VENTILATION :	Local ventilation recommended – mechanical ventialation may be used.
RESPIRATORY PROTECTION:	None required with normal use of product.
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

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 incenerated 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 *** This product is not shipped by water***
LABEL STATEMENTS: Not restricted

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

OTHER AGENCIES: Considered non-hazardous in transportation regualtions

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 FO PERSONAL CLEANLINESS AND HYGIENE. HANDLE WITH DUE CARE AND AVOID UNNECESSARY CONTACT WITH THIS PRODUCT.**
DISCLAIMER:	**This information is supplied under the OSHA Hazard Communcation 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 deterimine applicability. No warrangty, expressed or implied, is made regarding the accuracy of this data, the hazards connected with the use of this material, or the rsults to be obtained from the use thereof. We assume no reponsiblilty 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**