



## SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ENDURANT TURF PIGMENT CLEANER

**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 Turf Pigment Cleaner  
**SYNONYMS:** Pigment Cleaner - Oil/Solvent based degreaser

**CHEMICAL FAMILY:** Oil/Solvent based degreaser

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

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>%CONCENTRATION</u>
Proprietary Surfactant Blend	N/A #	45 -55
Methyl Ester	67784-80-9	45-55
Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-	34398-01-1	>10

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

### 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

**ROUTES OF ENTRY:**

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

HMIS III	
HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARDS	0
PERSONAL PROTECTION	

**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. Therefore, handle with care and avoid unnecessary exposures.

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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:** Aspiration hazard. DO NOT induce vomiting. If vomiting occurs, keep head lower than hips to help prevent aspiration. Get immediate medical attention. Give artificial respiration if not breathing.  
**INHALATION:** If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

**Most important symptoms and effects, both acute and delayed:** May cause mild eye and skin irritation.

**Accidental ingestion may cause gastrointestinal effects with nausea and diarrhea.**

**Indication of any immediate medical attention and special treatment needed:** Get immediate medical attention in cases of ingestion.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** regular dry chemical, carbon dioxide, water spray, regular foam

**Special hazards arising from the chemical**

**Unusual fire and explosion hazards:** At elevated temperatures containers may rupture.

**Combustion products:** oxides of carbon.

**Special protective equipment and precautions for fire-fighters:** Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**ACCIDENTAL RELEASE MEASURES:**

**Occupational spill/release:** Stop leak if possible without personal risk. Reduce vapors with water spray

**Small spills:** Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal.

**Large spills:** Dike for later disposal. Keep unnecessary people away, isolate hazard area and deny entry.

**SECTION 7: HANDLING AND STORAGE**

**Handling Procedures**

**Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Contaminated clothing should be removed and laundered before reuse.**

**Storage Procedures**

**Store in accordance with all current regulations and standards. Keep separated from incompatible substances.**

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

**Appropriate engineering controls:** General ventilation should be adequate for normal use. For operations where the occupational exposure limit may be exceeded, mechanical ventilation such as local exhaust may be needed

**PERSONAL PROTECTION:**

**Eye Protection:** Avoid eye contact. Safety glasses or goggles recommended if splashing is possible.

**Skin Protection:** Avoid prolonged skin contact. Rubber or other impervious gloves are recommended where prolonged or repeated skin contact is likely.

**Respiratory Protection:** None needed for normal use with adequate ventilation. Use a NIOSH approved respirator with organic vapor cartridges or supplied air respirator if needed. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.

**Other Protective Equipment:** For operations where contact can occur, an eye wash facility should be available.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE:** Clear, light amber liquid  
**COLOR:** Light Amber  
**ODOR:** Minimal Odor  
**PHYSICAL STATE:** Liquid  
**PH:** 6.5  
**BOILING POINT:** Not Available  
**Flash Point:** 220 -225 °F  
  
**MELTING POINT:** Not determined  
**FREEZING POINT:** Not determined  
**VAPOR PRESSURE (mmHg):** Not determined  
**VAPOR DENSITY (AIR = 1):** Not determined  
**DENSITY:** 7.44 lbs/gallon (20°C)  
**SPECIFIC GRAVITY (H2O = 1):** .89 (@ 20 °C)  
**EVAPORATION RATE:** Not determined

#### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Not reactive.  
**Chemical Stability:** This material is stable.  
**Possibility of hazardous reactions:** Will not occur.  
**Conditions To Avoid:** Avoid contact with incompatible materials.

#### SECTION 11: TOXICOLOGICAL INFORMATION

**Information on toxicological effects:**

**Eye Contact:** May cause mild irritation with redness and tearing.

**Skin Contact:** Irritation, absorption may occur.

**Inhalation:** Vapors or mists may cause upper respiratory tract irritation, headache, dizziness, drowsiness, difficulty breathing.

**Ingestion:** Swallowing may cause gastrointestinal irritation, nausea, vomiting, and diarrhea; aspiration hazard.

**Chronic Hazards:** .No information on significant adverse effects

**Acute Toxicity Values:** Product: Oral rat LD50 7400 mg/kg; Dermal rabbit LD50 2 g/kg

**Carcinogenicity:** - Not Classifiable as a Human Carcinogen

#### SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:** No data available.  
**Persistence and degradability:** Readily Biodegradable  
**Bioaccumulative potential:** No data available  
**Mobility in soil:** No data available.  
**Other adverse effects:** No data available.

#### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste treatment methods:** This product as sold does not meet the definition of a US EPA hazardous waste. Dispose in accordance with all local, state and federal regulations.

#### SECTION 14: TRANSPORT INFORMATION

UN Number	UN Proper Shipping Name	Hazard Class	Packing Group	Environmental Hazards
US DOT	None	Not Regulated	None	Not applicable
Canadian TDG	None	Not Regulated	None	Not applicable
EU ADR/RID	None	Not Regulated	None	Not applicable
IMDG	None	Not Regulated	None	Not applicable
IATA/ICAO	None	Not Regulated	None	Not applicable

**Special precautions for user:** Not applicable

**Transport in bulk according to Annex II of MARPOL 73/38 and the IBC code:** Not applicable

#### SECTION 15: REGULATORY INFORMATION

**EPA SARA 302:** This product does not contain chemicals regulated under SARA Section 302.

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EPA SARA 311 Hazard Classification: Not Hazardous

EPA SARA 313: This product does not contain chemicals that are regulated under SARA Title III, section 313

California Proposition 65: The following components appear on one or more of the following state hazardous substances lists:

Toxic Substances Control Act: All of the components of this product are listed on the TSCA inventory.

Canadian WHMIS Ingredient Disclosure List: Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which fall under WHMIS criteria specified in the Controlled Products Regulations and present above the threshold limits listed on the IDL.

NONE

### Component Analysis - Inventory

Component	CAS	US	CA
Proprietary Surfactant Blend	n/a	Yes	DSL
Methyl ester	67784-80-9	Yes	DSL
Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy	34398-01-1		

## 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 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.