

SAFETY DATA SHEET



1. PRODUCT IDENTIFICATION

ENDURANT[®] **TURF ENHANCER**

PRODUCT NAME Endurant Turf Enhancer (TE)
CHEMICAL FAMILY Organic Pigment
T.S.C.A. STATUS In Compliance
MANUFACTURED BY **Geoponics Corp.**
 3415 Radio Road unit 105
 Naples, FL 34105
PHONE: **239-261-6500**
EMERGENCY PHONE NUMBER, CHEMTREC: 800/424-9300

2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 2B- Eye Irritant

Pictogram: **NONE**

Signal Word: **Warning**

Hazard Statements: **H320: Causes Eye Irritation**

Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.

P280: Wear protective gloves/ protective clothing/eye protection/face protection

P270: Do not eat, drink, or smoke when using this product.

P260: Do not breath dust/fume/gas/mist/vapors/spray

P273: Avoid release to the environment

P501: Dispose of contents/container in accordance with local/regional/international regulations.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes .

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

3. COMPOSITION/INFORMATIONS ON INGREDIENTS

The exact ingredient percentages and composition of non-hazardous components have been withheld as a trade secret.

FIRST-AID MEASURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION Do not induce vomiting. Seek medical attention immediately.

INHALATION If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

5. FIREFIGHTING MEASURES

FLASH POINT >260 deg F

EXTINGUISHING MEDIA CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

6. ACCIDENTAL RELEASE MEASURES

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.
Keep the container tightly sealed and away from any incompatible materials (see Section 10)..

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

GENERAL PROTECTIVE MEASURES:

Do not breathe mists /dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTIONEmployees should wear protective eye-goggles with side protection shield.

SKIN PROTECTIONEmployees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTIONInhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATIONUse local ventilation.

OTHERWear overalls, apron or other protective clothing.

9. PHYSICAL DATA

APPEARANCE LIQUID
COLOR GREEN
ODOR NONE
ODOR THRESHOLD.....ND
SOLUBILITY IN WATER DISPERSIBLE
BULK DENSITY ND
RELATIVE DENSITY.....NA
VISCOSITY.....ND
pH ND
MELTING POINT/FREEZING POINT.....ND
PARTITION COEFFICIENT: N-OCTANOL/WATER.....0.0000
BOILING POINT.....>220 F
VAPOR PRESSURE.....ND
VAPOR DENSITY.....NA

EVAPORATION RATE.....NA
FLAMMABILITY..... NA
FLASH POINT.....> 260 F
INGINITION TEMP ND
DECOMPOSITION TEMPERATURE....ND
UEL.....ND
LEL.....ND
% VOLATILE: VALUE: ND UNIT: % COMMENT:

10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
POSSIBILITY OF HAZARDOUS REACTIONS : None expected
CHEMICAL STABILITY.....Stable
INCOMPATIBLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS.....CO₂, CO, NITROGEN OXIDES
CONDITIONS TO AVOID.....TEMPERATURES IN EXCESS OF 260 F
REACTIVITY....Will not occur

11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION).....>5,000 mg/kg (Rat)
EYE EFFECTS.....IRRITANT (RABBIT)
SKIN EFFECTSNON-IRRITANT
SENSITIZATIONNOT EXPECTED

PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	YES	INGESTION:	YES
SKIN CONTACT:	YES	EYE CONTACT:	YES		

CARCINOGEN STATUS

IARC:	NO	NTP:	NO	OSHA:	NO
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HMIS: 1 0 0 E

CRONIC EFFECTS OF OVEREXPOSURE

None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes and respiratory tract.

MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: <40 %
BACTERIA TOXICITY EC50: ND
FISH TOXICITY LC50: ND

13. DISPOSAL CONSIDERATIONS

PRODUCT: If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.
UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

14. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

15. REGULATORY DATA

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312: Immediate (acute) health hazard Yes
Delayed (chronic) health hazard No
Fire hazard No

Sudden Release of Pressure	No
Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19th Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contains components currently on the California List of Known Carcinogens and reproductive Toxins.

16. OTHER INFORMATION

Geoponics Corp. warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. Geoponics Corp. makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall Geoponics Corp. be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

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