

**MATERIAL SAFETY DATA SHEET****Turf Screen™****1. Identification of the Substance and Company Identification**

Product name: Turf Screen™  
 Manufacturer: Turf Max, LLC  
 802 Longfield Road  
 Erdenheim, PA 19038  
 Telephone: 267.246.8654  
 Internet: [www.turfscreen.com](http://www.turfscreen.com)  
 Material Composition: Titanium Dioxide, Zinc Oxide, Green Pigment Suspension

**2. Hazards Identification**

Appearance: Turf Screen™ is a non-combustible, odorless, green suspension.  
 Primary routes of entry: Skin contact, eye contact, ingestion and inhalation. (See section 4 below for first aid measures). Care should be taken in handling this material to wear appropriate protective clothing and eye protection. If working with dry material, an OSHA/NIOSH approved respirator should be worn.  
 Hazard classification: NONE

**3. Composition and Information on Ingredients****Materials CAS Number****%**

	Materials CAS Number	%
Titanium Dioxide	1317-80-2	30.12%
Zinc Oxide	1314-13-2	9.01%
Other	-----	Balance

Zinc Oxide is listed as a toxic chemical under section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR parts 372.

Titanium Dioxide is NOT listed as a toxic chemical under section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR parts 372.

**4. First Aid Measures**

Eye Contact: In case of contact, flush eyes immediately with water for a minimum of 15 min. If irritation persists, seek medical attention.  
 Skin Contact: Exposure may cause skin irritation. Flush skin with water. If irritation persists, seek medical attention.  
 Carcinogenicity: Titanium Dioxide is listed as a carcinogen 2b by IARC, NTP, OSHA, and ACGIH. Zinc Oxide is not a listed carcinogen by IARC, NTP, OSHA and ACGIH.  
 Ingestion: No adverse effect is expected. If ingested, seek medical advice.  
 Inhalation: Upon drying titanium dioxide and zinc oxide can for a dust hazard. If exposure causes irritation, remove individual to fresh air. Aid in breathing, if necessary and seek medical attention.

**5. Fire Fighting Measures**

---

- Extinguishing Media: Material is non-combustible. All extinguishing media can be used. Use suitable media appropriate to the surrounding fire.
- Unsafe Extinguishing Media: NONE
- Special Exposure Hazards: NONE
- Special Protective Equipment: Firefighters should wear protective clothing and use equipment that is suitable for the materials in the surrounding fire.

**6. Accidental Release Measures**

---

- Environmental Precautions: This product does not present any particular risk to the environment. Refer to applicable federal, state and local regulations prior to washing into a drain.
- Clean Up Methods: Material can be swept, scooped or vacuumed into an appropriate container for safe disposal.

**7. Handling and Storage**

---

- Handling: Product has a high specific gravity. Use caution when lifting.
- Storage: Store in water tight containers and avoid freezing temperatures.

**8. Exposure Controls/Personal Protection**

---

- Engineering Controls: Use mechanical ventilation.
- Eye Protection: Safety glasses with side shields.
- Skin and Body Protection: Light weight protective clothing and gloves.
- Hygiene Measures: Handle in accordance with good industrial hygiene and safety practices.

Exposures Guidelines: Applicable Exposures Limits

- Titanium Dioxide  
 PEL (OSHA) 15 mg/m<sup>3</sup>, total dust, 8 Hr. TWA  
 TLV (ACGIH) 10 mg/m<sup>3</sup>, total dust, 8 Hr. TWA A4
- Zinc Oxide  
 PEL (OSHA) 15 mg/m<sup>3</sup>, total dust, 8 Hr. TWA  
 TLV (ACGIH) 10 mg/m<sup>3</sup>, total dust, 8 Hr. TWA A4

**9. Physical and Chemical Properties**

---

- Appearance: Green Liquid Suspension
- Specific Gravity: 1.72 g/ML
- pH: 7.2

**10. Stability and Reactivity**

---

- Stability: Stable, however if separation occurs, suspension can be mixed.
- Conditions to Avoid: Do not freeze.
- Materials to Avoid: None known.
- Decomposition: Will not occur.

**11. Toxicological Information**

---

Eye Irritation:	TurfScreen™ can be a slight eye irritant.
Skin Irritation:	TurfScreen™ can cause dry skin.
Sensitization:	None.
Ingestion:	ZnO oral LD (50) is 7950 mg/kg.

**12. Ecological Information**

---

Mobility:	Inert, Non-Reactive material.
Degradability:	Non-degradable.

**13. Disposal**

---

Dispose of in accordance with local, state and federal regulations.

**14. Transportation Regulations**

---

DOT:	Not Regulated
------	---------------

**15. Additional Information**

---

The information contained in the Safety Data Sheet is to the best of Turf Max's knowledge, as of the date indicated, believed to be accurate and reliable. However, no representation, warranty or guarantee is implied or expressed regarding the accuracy, reliability or completeness of the information of the use of the product. Nothing contained herein should be construed as a recommendation to use the product in conflict with local, state or federal regulations or existing patents covering any material or its use.