



TECHMER PM

POLYMER MODIFIERS

#1 Quality Circle
Clinton, TN 37716
(865) 457-6700
FAX (865) 457-3012
www.techmerpm.com

Material Safety Data Sheet

Product Name: TURF GREEN
Product Code: PNM63878

HMIS Codes: H F R P
1 1 0

Section I – Manufacturer Identification

Manufacturer's Name:	Techmer PM	Name of Preparer:	Angie Martin
Address:	#1 Quality Circle Clinton, TN 37716	Information Phone:	(865) 457-6700
Emergency Phone:	(865) 457-6700	Email:	amartin@techmerpm.com
Date Prepared:	March 21, 2011		

Section II – Hazardous Ingredients/Identity Information

This product contains a proprietary blend of components encapsulated within a polymer matrix. One or more of these components are considered to be hazardous chemicals per 29 CFR 1910.1200. Under normal conditions of storage and handling, this product, in pellet form, is not likely to cause adverse health effects. However, should conditions exist where dusts and fumes are generated from this product, they could be hazardous. See sections IV, V, VI, and VII for more detail.

Section III – Physical/Chemical Characteristics

Boiling Point:	Not measured	Specific Gravity:	Available upon request
Vapor Density:	Not measured	Solubility in Water:	Not measured
Evaporation Rate:	N/A		
Appearance and Odor:	Pellet form with no significant odor		

Section IV – Fire and Explosion Hazard Data

Flash Point: >300°C (572°F)

Flammable Limits in Air By Volume: Lower: Not Known Upper: Not Known

Extinguishing Media:
Foam, CO₂, Dry Chemical and Water Fog

Special Firefighting Procedures:
Use self-contained breathing apparatus

Unusual Fire and Explosion Hazards:

In its present form, this product offers no unusual fire and explosion hazards. However, dusts and fumes generated from this product could present an explosion hazard.

Section V – Reactivity Data**Stability:**

Stable

Conditions to Avoid:

Temperatures above 287°C (550°F)

Incompatibility (Materials to Avoid):

Avoid strong oxidizing agents, acids and bases

Hazardous Decomposition or Byproducts:

Carbon monoxide, carbon dioxide, ammonia, hydrogen cyanide, oxides of nitrogen, zinc oxides and hydrocarbons can be generated during thermal decomposition and combustion.

Hazardous Polymerization:

Will not occur

Section VI – Health Hazard Data

This product, in pellet form, is not expected to cause adverse health effects under normal handling and storage conditions. However, should conditions exist where dust and/or fumes are generated from this product, then the appropriate personal protective equipment (PPE) must be worn. See Section VIII for more detail.

Potential Acute Health Effects**Inhalation Health Risks and Symptoms of Exposure:**

Avoid breathing dust as it may cause irritation if exposure is prolonged or excessive. Physical processes such as grinding, high speed blending, etc may generate dust.

Skin and Eye Contact Health Risks and Symptoms of Exposure:

Skin or eye contact may cause irritation.

Skin Absorption Health Risks and Symptoms of Exposure:

Gloves and sleeves should be worn when physical contact with this product (pellets) is unavoidable. However, should contact occur in a prolonged or repeated fashion, some individuals may develop dermatitis or become sensitized and develop an allergic reaction.

Ingestion Health Risks and Symptoms of Exposure:

May cause irritation to the throat, mouth and stomach and/or may cause nausea.

Potential Chronic Health Effects**Target Organs:**

Repeated exposure to dust and/or fumes orally, and potentially by inhalation, may cause effects on the liver, lymph nodes, spleen and blood based on animal studies. These effects could be seen as inflammation of the lymph nodes, jaundice of the liver, and blood cell changes such as anemia.

Carcinogenicity:

NTP? Yes

IARC Monographs? Yes

OSHA Regulated? No

Medical Conditions Generally Aggravated by Exposure:

Fumes and dust from this product may aggravate existing respiratory ailments. Physical contact with this product may aggravate existing skin ailments.

Toxicological Information:

Acute Oral LD50: Not tested

Primary Skin Irritation Test: Not tested

Primary Eye Irritation: Not tested

Human Dermal Exposure: Not tested

Emergency and First Aid Procedures:

For minor burns caused by molten plastic material, treat with cool running water immediately. If swallowed, contact a physician. Fumes or dust from this product may cause respiratory distress. If condition persists, contact a physician.

Section VII – Precautions for Safe Handling and Use**Steps to Be Taken in Case Material is Released or Spilled:**

Wearing appropriate personal protective equipment, sweep or vacuum and place in suitable container for disposal. Avoid creating dust.

Waste Disposal Method:

In accordance with Local, State and Federal regulations

Precautions to Be Taken in Handling and Storing:

Store in a cool, dry, well ventilated storage area. Keep container covered when not in use.

Section VIII – Control Measures**Respiratory Protection:**

Not required under normal process conditions and with adequate ventilation. However, should conditions exist that require respiratory protection, a NIOSH/MSHA approved respirator should be worn.

Ventilation: Local Exhaust**Protective Gloves:** Yes**Eye Protection:** Safety goggles or glasses**Other Protective Clothing or Equipment:** None**Work/Hygienic Practices:** Wash thoroughly after handling and before eating, drinking or using tobacco products.

Section IX – Regulatory

- TSCA:** All components of this product are on the TSCA inventory or are exempt from listing.
- California Proposition 65:** This product contains a component currently on the California list of Known Carcinogens and Reproductive Toxins.
Nickel Compounds
- SARA/Title III:** This product contains a toxic chemical for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).
- | Chemical Name | Percent by Weight |
|----------------------|--------------------------|
| Nickel Compounds | <5% |
| Zinc Compounds | <5% |

Transportation**DOT Classification:** Not Regulated

This information must be included in all MSDS that are copied and distributed for this material.

Section X – Disclaimer

To the best of our knowledge, the information contained herein is accurate. It is obtained by Techmer PM from sources such as raw material suppliers and is believed to be true. This material safety data sheet will supersede any that was previously received as it contains the most up to date information.