

# MATERIAL SAFETY DATA SHEET

**DO NOT USE THIS PRODUCT UNTIL YOU HAVE READ THIS INFORMATION**

## MSDS Prepared By:

TenCate Geosynthetics North America  
365 South Holland Drive  
Pendergrass, GA 30567

## Chemtrec Emergency:

24-hour Phone: (800) 424-9300  
Ten Cate Nicolon Phone: (770) 689-2627  
Date Prepared: September 2003  
Revised: November 2004

## Section 1: General Information

**Trade Names and Synonyms:** XT-Series Geogrid Products

**Chemical Names and Family:** Polyester woven fabric, with cured plastisol coating  
**Product Use:**

**HMIS Ratings:** Health 1, Fire 1, Reactivity 0, PPE B (see section 6)

## Section 2: Hazardous Ingredients/Identity Information

<u>Ingredient</u> (Chemical Name, CAS#, and Common Name)	<u>OSHA PEL or TWA</u>	<u>ACGIH TLV</u>	<u>Weight %</u>
Polyester filament yarn (CAS# 25038-59-9)	Not applicable	Not applicable	50-60
Polyvinyl Chloride dispersion coating (Mixture)	Not applicable	Not applicable	40-50

No hazardous ingredients as defined by OSHA 29 CFR 1910.1200.

## Section 3: Hazards Identification/Potential Effects

**Threshold Limit Value:** Not established

**Effects of Overexposure:** No known

### Routes of Exposure:

Inhalation:	Not likely under normal use
Skin contact:	May cause irritation
Ingestion:	Not likely under normal use
Eye Contact:	May cause irritation

## Section 4: First Aid Procedures

**Eye Contact:** Flush with plenty of water for 15 minutes. If irritation develops, get medical attention.

**Skin Contact:** Wash with soap and water.

**Ingestion:** N/A

**Inhalation:** Remove to fresh air for relief. If breathing difficulties develop or persist, get medical attention.

## Section 5: Fire and Explosion Hazard Data

**Flash Point (Method Used):** Greater than 200°F

**Flammable Limits:** LEL: N/A UEL: N/A

**Extinguishing Media:**  Water Fog  Carbon Dioxide

Regular Foam  Dry Chemical  Other

**Special Fire Fighting Procedures:** Firefighters and others who may be exposed to products of combustion should wear full protective clothing and self contained breathing apparatus.

**Unusual Fire and Explosion Hazards:** When forced to burn, protect from decomposition and combustion products that may include Carbon Monoxide and other toxic gases.

## Section 6: Accidental Release Measures

Rolls may be heavy; use lifting devices for moving. No environmental threat is expected from release.

## Section 7: Handling and Storage

**Storage:** Store away from oxidizing materials, in cool dry area. Avoid direct sunlight.

**Handling:** No special handling unless large rolls are used. Use lifting devices as necessary. If product is molten, avoid contact with skin or eyes.

## Section 8: Exposure Controls/ Personal Protection

**Ventilation Requirements:** Not required for normal use

**Personal Protective Equipment:**

**Eye Protection:** Safety glasses

**Skin Protection:** Suitable gloves.

**Respiratory Protection:** Not required under normal use

**Other Clothing and Equipment:** Normal work clothing.

## Section 9: Physical and Chemical

**Boiling Point:** N/A

**Vapor Pressure (mm Hg.):** N/A

**Vapor Density (Air =1):** > 1

**Solubility in Water:** Not soluble

**VOC (g/l):** < 60 g/l

**Appearance and Odor:** Woven black fabric wound on a cardboard core.

**Specific Gravity (H<sub>2</sub>O=1):** 1.1 – 1.35

**Evaporation Rate (Butyl Acetate=1):** N/A

**Melting Point:** >300° F

**% Volatile by Weight:** < 4%

## Section 10: Stability and Reactivity

**Stability:**  Stable  Unstable

**Conditions to Avoid:** Keep away from sparks or flame

**Incompatibility (Materials to Avoid):** NA

**Hazardous Polymerization:**  May Occur  Will Not Occur

**Hazardous Decomposition Products (Including Combustion Products):** carbon dioxide, carbon monoxide, hydrocarbons, chlorine.

## Section 11: Toxicological Information

**Eye Effects:** Not toxic

**Skin Effects:** Not toxic

**Target Organs:** None

**Carcinogenicity:** No

**Mutagenitive and Reproductive Effects:** Not considered to be a hazard

## Section 12: Ecological Information

**Environmental Data:** Not expected to be hazardous to the environment in present form.

## Section 13: Disposal Considerations

**Disposal:** Spent material should be recycled or disposed according to current regulations

**RCRA Hazard Class:** Does not contain RCRA regulated materials.

## Section 14: Transport information

**DOT Classification:** Non-hazardous

## Section 15: Regulatory Information

This product may contain ingredients in the coating additives in "De Minimus" quantities, which would be listed in SARA 311/313: Acute Health Hazard. "Reportable Quantities" are not expected to be reached with typical fabric inventories.

The information and recommendations contained in this publication have been compiled from sources believed to be reliable and to represent the best current opinion on the subject at the time of publication. Since we cannot anticipate or control the many different conditions under which this information or our products may be used, we make no guarantee that the recommendations will be adequate for all individuals or situations. Each user of the product described herein should determine the suitability of the described product for his particular purpose and should comply with all federal and state rules and regulations concerning the described products.

© 2004 TenCate Geosynthetics North America

This page intentionally left blank.