# MATERIAL SAFETY DATA

**PRODUCT IDENTIFICATION**

<table>
<thead>
<tr>
<th>DESCRIPTION:</th>
<th>TENSAR(R) GEOGRIDS UX1100MSE</th>
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<tbody>
<tr>
<td>CHEMICAL FAMILY:</td>
<td>Polyethylene</td>
</tr>
<tr>
<td>MOLECULAR FORMULA:</td>
<td>{CH₂ CH₂}ₙ</td>
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**HAZARDOUS INGREDIENTS**

<table>
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<tr>
<th>COMPOSITION:</th>
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<tr>
<td>Polyethylene ~97%</td>
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<td>Carbon Black ~2.5%</td>
</tr>
<tr>
<td>Miscellaneous Additives ~0.5% (Antioxidants, UV Stabilizers)</td>
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</tbody>
</table>

**HEALTH HAZARD INFORMATION**

- Product is categorized as non-toxic.
- No OSHA/PEL or ACGIH/TLV has been established.

**SPILL OR LEAK PROCEDURES**

- STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Not Applicable

**WASTE DISPOSAL**

- Dispose of in an appropriate disposal facility in compliance with applicable regulations.

**SPECIAL PRECAUTIONS**

<table>
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<tr>
<th>HANDLING AND STORAGE/OTHER:</th>
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<tr>
<td>Treat as a solid which can burn. Polymer burns with a thick black smoke which may emit carbon monoxide or other organics. Store away from oxidizing materials with low combustion points such as corrugated boxes, paper, and thin films. When storing polymer grid outside, avoid accumulations of organic debris from leaves and grass that have low combustion points when dry.</td>
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</tbody>
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**EMERGENCY PHONE:** Tensar at (770) 968-3255
**FIRE AND EXPLOSION**

FLASH POINT: Not Applicable  
FLAMMABLE LIMITS: Not Applicable  
(\% by vol.)  
AUTOIGNITION TEMP: 650 - 700°F  
FIRE FIGHTING: Use water fog, carbon dioxide, foam, and/or dry chemical to extinguish fires. Wear self-contained, positive pressure breathing apparatus and full fire-fighting protective clothing.

**PHYSICAL PROPERTIES**

APPEARANCE AND ODOR: Black; no odor.  
BOILING POINT: Not Applicable  
MELTING POINT: 260°F  
VAPOR PRESSURE: Not Applicable  
\% VOLATILE (by vol.): Not Applicable  
pH: Not Applicable  
SATURATION IN AIR (by vol.): Not Applicable  
EVAPORATION RATE: Not Applicable  
SOLUBILITY IN WATER: Insoluble

**EXPOSURE CONTROL METHODS**

Respiratory protection and protective clothing are not normally required when handling these products. If the product is to be cut, use protective gloves.

W.S. Shelton, Vice President Process & Product Development

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