

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Permaweld TPO Membrane  
Product Number: 45 mil 6.2x100 rolls, 45 mil  
12.4x100 rolls, 60 mil 6.2x100  
rolls, 60 mil 12.4x100 rolls  
Chemical Name: Membrane

### Company Identification

Elastomeric Roofing Systems - ERSystems, Inc.  
6900 Bleck Drive  
Rockford, MN 55373 USA  
1-800-403-7747 (For product information)  
1-800-535-5053 (For emergencies)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### COMPONENT LISTING:

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
1-PROPENE, POLYMER WITH ETHENE	20.0 - 80.0 %	9010-79-1
MAGNESIUM HYDROXIDE	10.0 - 20.0 %	1309-42-8
TITANIUM DIOXIDE	1.0 - 3.0 %	13463-67-7
POLYESTER FABRIC	0.0 - 30.0 %	N/A
STABILIZERS	< 7.0 %	TRADE SECRET
COLOR CONCENTRATE	< 3.0 %	N/A

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)



### 3. HAZARDS IDENTIFICATION

\*\*\*\*\* EMERGENCY OVERVIEW \*\*\*\*\*  
\*  
\* This product has the structure of a polymer sheet \*  
\* or formed object. Under normal conditions of use, \*  
\* this product is not expected to create any unusual \*  
\* emergency or health hazards. If the product is \*  
\* burned due to exposure to fire, use normal fire \*  
\* fighting procedures to prevent inhalation of smoke \*  
\* and gases. \*  
\* \*  
\*\*\*\*\*

HMIS Rating - Health: 1  
Flammability: 1  
Reactivity: 0  
Personal Protection Index: Safety glasses/gloves

NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

#### POTENTIAL HEALTH EFFECTS

**EYE:**  
No known adverse effects.

**SKIN:**  
No known adverse effects.

**INHALATION:**  
During normal use of this product, there is expected to be no inhalation hazard.

**INGESTION:**  
Ingestion of this material is unlikely, however, ingestion may cause nausea, vomiting and diarrhea.



#### 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**

In case of contact with dusts or particulate matter, immediately flush eyes with plenty of water for 15 minutes. If irritation persists, seek medical attention.

**SKIN CONTACT FIRST AID:**

For skin contact, promptly wash with soap and water.

**INHALATION FIRST AID:**

If inhaled, remove immediately to fresh air.

**INGESTION FIRST AID:**

If the material is swallowed, get immediate medical attention or advice -- do NOT induce vomiting unless instructed to do so by medical personnel.

**NOTES TO PHYSICIAN:**

Provide general supportive measures and treat symptomatically.

#### 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES**

COC Flash Point: N/A

Autoignition Temperature: N/A

**FLAMMABLE LIMITS IN AIR**

LEL: N/A

UEL: N/A

**FLAMMABLE PROPERTIES:**

Product is a solid material which will burn with a slow, smoldering flame upon heating to high temperature.

**EXTINGUISHING MEDIA:**

Water spray, alcohol foam, carbon dioxide, or dry chemical.

**FIRE & EXPLOSION HAZARDS:**

No known unusual hazards in a fire/explosion situation.

**FIRE FIGHTING INSTRUCTIONS:**

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Toxic fumes and vapors may be evolved.



(section 5 continued)

**COMBUSTION PRODUCTS:**

Irritating and toxic gases or fumes may be released during a fire.

**6. ACCIDENTAL RELEASE MEASURES**

**SAFEGUARDS (PERSONNEL):**

Keep unnecessary personnel away.

**INITIAL CONTAINMENT:**

Due to the physical nature of this material, containment is not necessary.

**7. HANDLING AND STORAGE**

**HANDLING (PERSONNEL):**

Avoid breathing fumes or dust from this material. Use this product with adequate ventilation. Wash thoroughly after handling.

**STORAGE PRECAUTIONS:**

Keep this material in a cool, well-ventilated space.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**EYE / FACE PROTECTION REQUIREMENTS:**

Wear safety glasses; chemical goggles for fumes which may arise from thermal processing.

**SKIN PROTECTION REQUIREMENTS:**

Wear impervious gloves for prolonged contact.

**RESPIRATORY PROTECTION REQUIREMENTS:**

If ventilation is not sufficient to effectively remove and prevent buildup of dusts or processing fumes, appropriate NIOSH approved HEPA cartridge respirator must be provided.

**EXPOSURE GUIDELINES:**

No Information Available.



**9. PHYSICAL AND CHEMICAL PROPERTIES**

FORM .....: Solid film/sheet  
COLOR .....: White  
SPECIFIC GRAVITY ...: 0.8 - 1.0 (Water = 1)

**10. STABILITY AND REACTIVITY**

**STABILITY:**  
Stable.

**POLYMERIZATION:**  
Product will not undergo polymerization.

**INCOMPATIBILITY WITH OTHER MATERIALS:**  
This product is not reactive.

**DECOMPOSITION:**  
Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

**CONDITIONS TO AVOID:**  
Avoid open flames and excessive temperatures.

**11. TOXICOLOGICAL INFORMATION**

No information available.

**12. ECOLOGICAL INFORMATION**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:**  
Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.



**14. TRANSPORTATION INFORMATION**

PRODUCT LABEL .....: Permaweld TPO Membrane  
D.O.T. SHIPPING NAME ...: Not regulated  
D.O.T. HAZARD CLASS ....: Not Regulated  
UN NUMBER .....: None

**15. REGULATORY INFORMATION**

No information available.

**16. OTHER INFORMATION**

PREPARED BY .....: Laura Vollenweider  
APPROVED BY .....: Laura Vollenweider  
TITLE .....: Chemist  
APPROVAL DATE .....: April 11, 2006  
SUPERCEDES DATE ...: New  
MSDS NUMBER .....: TPOPOOXXSHTX.X-100  
RTN NUMBER .....: 00000126 (Official Copy)

**ADDITIONAL INFORMATION:**

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

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To the best of our knowledge, the information contained in this MSDS is accurate. It is intended to assist the user in his evaluation of the products hazards, and safety precautions to be taken in its use. The data in this MSDS relate only to the specific material designated herein. We do not assume liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

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**END OF MSDS**  
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