

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Permaweld TPO Vent Boot

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>
PROPYLENE POLYMER	0.0 - 100.0 %	9003-07-0
CALCIUM CARBONATE	0.0 - 20.0 %	1317-65-3
1-PROPENE, POLYMER WITH ETHENE	0.0 - 80.0 %	9010-79-1
FILLED POLYPROPYLENE	0.0 - 40.0 %	N/A
STABILIZERS	0.0 - 7.0 %	N/A

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)



3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
* Product is a composite plastic structure molded or
* shaped to a specific form. Under normal conditions
* of use, this product is not expected to create any
* unusual health hazards. If the product is burned
* due to exposure to fire, use normal fire fighting
* procedures to prevent inhalation of smoke and
* gases. Irritating and toxic fumes and gases may be
* released from this product upon processing or
* heating.
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HMIS Rating - Health: 1
 Flammability: 1
 Reactivity: 0
 Personal Protection Index: Chemical goggles, 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:

Processing or heating of this product may cause dusts, particulates, vapors, and fumes which may cause tearing of the eyes. Symptoms include redness, swelling, tearing and blurred vision.

SKIN:

Processing or heating of this product may cause dusts, particulates, vapors and fumes which may cause irritation to the skin. Prolonged or repeated contact may cause redness, cracking and may dry and/or defat the skin.

INHALATION:

Heating this product may release harmful vapors. Excessive inhalation of processing vapors from this product may be harmful to the respiratory tract.



(section 3 continued)

INGESTION:

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

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

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 not considered a fire hazard, but may burn.

EXTINGUISHING MEDIA:

Dry chemical, foam, carbon dioxide, water fog. Use water to cool fire-exposed containers and to protect personnel.

FIRE & EXPLOSION HAZARDS:

No known unusual hazards in a fire/explosion situation.



(section 5 continued)

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.

COMBUSTION PRODUCTS:

Irritating and toxic gases or fumes may be released during a fire. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

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 if this product is used at high temperatures. Use this product with adequate ventilation. Wash thoroughly after handling.

STORAGE PRECAUTIONS:

Keep this material in a cool, well-ventilated space. Eliminate all sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use general ventilation and local exhaust, where possible, in confined or enclosed spaces. Special care must be taken to avoid generation of dusts.

EYE / FACE PROTECTION REQUIREMENTS:

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



(section 8 continued)

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: Composite plastic structure

COLOR ...: White or gray

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

This product may react with strong acids, strong bases, extreme heat, and oxidizing agents.

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. Keep away from ignition sources and incompatible materials.

11. TOXICOLOGICAL INFORMATION

No information available.



12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:

No information is available for this product.

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 Vent Boot
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: TPOPOOVBT00001-006
RTN NUMBER: 00000130 (Official Copy)

ADDITIONAL INFORMATION:

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



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.

END OF MSDS

