

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Permathane SM7108
Product Number: Tubes (30 per case)
Chemical Name: Polyurethane Sealant
CAS Number: Blend

Company Identification

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
BUTYL BENZYL PHTHALATE	< 5.0 %	85-68-7
TOLUENE	1.0 - 3.0 %	108-88-3

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
*                               CAUTION                               *
*
* Prolonged or repeated contact may cause skin or eye *
* irritation. May be harmful if swallowed. Protect *
* from freezing. *
* *
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(section 4 continued)

INGESTION FIRST AID:

DO NOT INDUCE VOMITING!! Seek medical attention.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

TCC Flash Point: 65.6 C (150.1 F)

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

Use carbon dioxide, dry chemical, foam, or water spray.

FIRE & EXPLOSION HAZARDS:

Overheated, close containers adjacent to fire can cause the material inside to decompose resulting in pressure build-up and possible explosion.

FIRE FIGHTING INSTRUCTIONS:

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

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear safety goggles. Wear appropriate personal protective equipment.

INITIAL CONTAINMENT:

Eliminate all sources of ignition. Ventilate the area. Supply clean-up personnel with appropriate clothing. Clean the material with mineral spirits or a mixture of toluene/alcohol if in an uncured state (wet and pliable). If material is cured, use a solvent such as Polyurethane Remover.

7. HANDLING AND STORAGE



(section 7 continued)

RECOMMENDED STORAGE TEMPERATURE

Minimum: 15.6 C (60.1 F)

Maximum: 26.7 C (80.1 F)

SHELF LIFE: (in original, sealed containers)

8 months @ 26.7 C

HANDLING (PERSONNEL):

Avoid prolonged or repeated contact with skin. Wash hands thoroughly after handling.

STORAGE PRECAUTIONS:

Store in a clean, dry place. Moisture will cause the material to cure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE / FACE PROTECTION REQUIREMENTS:

Wear safety glasses. A respiratory protection program that meets OSHA's 29 CFR 1910-134 and ANSI Z88-2 requirements must be followed whenever workplace conditions warrant a respirator's use.

SKIN PROTECTION REQUIREMENTS:

Selection of specific items such as gloves, boots, apron or full-body suit will depend on operation. Wash hands thoroughly after handling.

RESPIRATORY PROTECTION REQUIREMENTS:

Respiratory protection is not usually required under normal uses. When established airborne exposure limits for ammonia or formaldehyde are surpassed, wear OSHA/NIOSH approved respirator.

EXPOSURE GUIDELINES:

TOLUENE

OSHA PEL: 200 ppm

OSHA TWA: 100 ppm

ACGIH TWA: 50 ppm

OSHA STEL: 150 ppm

ACGIH STEL: 150 ppm

OSHA Ceiling Limit: 300 ppm

Skin Designation: Yes



9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Semi-solid
ODOR: Faint Aromatic Odor
SPECIFIC GRAVITY ...: 1.599 (Water = 1)
% VOLATILES: 97 %

10. STABILITY AND REACTIVITY

STABILITY:
Stable.

POLYMERIZATION:
Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:
Avoid contact with alcohols, amines, strong bases, and surface active materials.

DECOMPOSITION:
During a fire this material may form carbon monoxide, carbon dioxide, nitrogen oxides and traces of isocyanates.

CONDITIONS TO AVOID:
Material will start to cure in the presence of humid air or moisture.

11. TOXICOLOGICAL INFORMATION

No information available.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:
Cured or neutralized waste product can be landfilled or incinerated. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.



14. TRANSPORTATION INFORMATION

PRODUCT LABEL: Permathane SM7108
D.O.T. SHIPPING NAME ...: N/A
D.O.T. HAZARD CLASS: Non-Hazardous

15. REGULATORY INFORMATION

Canadian Disclosure List

BUTYL BENZYL PHTHALATE (85-68-7)
TOLUENE (108-88-3)

SARA Title III - Section 313

TOLUENE (108-88-3)

CERCLA Hazardous Substances

BUTYL BENZYL PHTHALATE (85-68-7) -- RQ 100 lb
TOLUENE (108-88-3) -- RQ 1000 lb

RCRA Hazardous Substances

BUTYL BENZYL PHTHALATE (85-68-7) -- RCRA Code: Unknown
TOLUENE (108-88-3) -- RCRA Code: U220

Title V

BUTYL BENZYL PHTHALATE (85-68-7)
TOLUENE (108-88-3)

CA Proposition 65

TOLUENE (108-88-3)

SC Toxic Air Pollutants List

TOLUENE (108-88-3)

16. OTHER INFORMATION

PREPARED BY: Laura
APPROVED BY: Laura Vollenweider
TITLE: Chemist
APPROVAL DATE: December 30, 2004
SUPERCEDES DATE ...: November 22, 1996
MSDS NUMBER: seal71gry0000B005
RTN NUMBER: 00000084 (Official Copy)



(section 16 continued)

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 product's 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

