

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Primer I  
Product Number: pails  
Chemical Name: Primer Solution  
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>
Confidential Ingredient A	1.0 - 5.0 %	Trade Secret
TOLUENE	57.0 %	108-88-3
XYLENE	19.0 %	1330-20-7
ALIPHATIC PETROLEUM DISTILLATES	18.0 - 22.0 %	64742-89-8
Confidential Ingredient B	1.0 - 5.0 %	Trade Secret
ETHYLBENZENE	3.4 - 3.8 %	100-41-4
HEXANE	4.8 - 7.0 %	110-54-3

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

### HAZARDS DISCLOSURE

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains materials that are hazards.



### 3. HAZARDS IDENTIFICATION

```

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

```

HMIS Rating -            Health: \*2  
                          Flammability: 3  
                          Reactivity: 0

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:**  
Exposure to liquid or vapor causes eye irritation. Symptoms may include burning, tearing, redness, and swelling. May also cause blurred vision.

**SKIN:**  
Exposure causes skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking, skin burns and skin damage. Pre-existing skin disorders may be aggravated by exposure to this material.

**INHALATION:**  
Excessive inhalation of vapors can cause nasal and respiratory irritation, central nervous system effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness, and even death. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

**INGESTION:**  
Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.



(section 3 continued)

**REPRODUCTIVE HAZARDS:**

This material (or a component) has been shown to cause birth defects in laboratory animal studies. Toluene may be harmful to the human fetus based on positive test results with laboratory animals.

**4. FIRST AID MEASURES**

**EYE CONTACT FIRST AID:**

After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops or persists.

**SKIN CONTACT FIRST AID:**

Remove contaminated clothing and shoes. Wash affected area immediately with large amounts of soap and water. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

**INHALATION FIRST AID:**

If inhaled, remove to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Keep person warm, quiet, and seek medical attention.

**INGESTION FIRST AID:**

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; contact a physician, medical facility or poison control center for advice about whether to induce vomiting.

**NOTES TO PHYSICIAN:**

Inhalation of high concentrations of this material, as could occur in enclosed spaces, may be associated with cardiac arrhythmias. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

TCC Flash Point: < -18.3 C (< -0.9 F)  
Autoignition Temperature: N/A



(section 5 continued)

**FLAMMABLE LIMITS IN AIR**

LEL: 1.0 %

UEL: 7.0 %

**EXTINGUISHING MEDIA:**

Regular foam, water fog, carbon dioxide, or dry chemical.

**FIRE & EXPLOSION HAZARDS:**

Material is highly volatile and readily gives off vapors which may travel along the ground or be moved by ventilation and ignited by pilot lights, or other ignition sources at locations distant from material handling point. Never use welding or cutting torch on or near drum (even empty) because product can ignite explosively.

**FIRE FIGHTING INSTRUCTIONS:**

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

**COMBUSTION PRODUCTS:**

May form: carbon dioxide and carbon monoxide, halogenated hydrocarbons, nitrogen oxides, various hydrocarbons.

## 6. ACCIDENTAL RELEASE MEASURES

**SAFEGUARDS (PERSONNEL):**

Wear safety goggles. Wear appropriate personal protective equipment.

**INITIAL CONTAINMENT:**

Eliminate all sources of ignition - heat, sparks, flame, electricity, and impact. Absorb spills with inert material.

**LARGE SPILLS PROCEDURE:**

Keep unnecessary and unprotected personnel from entering. Stop spill at source. Avoid runoff into storm sewers and ditches which lead to waterways. If runoff occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Destroy by liquid incineration in accordance with applicable regulations.

**SMALL SPILLS PROCEDURE:**

Absorb spills with inert material and transfer to hood. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.



---

## 7. HANDLING AND STORAGE

### 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.

### HANDLING (PHYSICAL ASPECTS):

Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction. Agitate containers before use. Keep from freezing. Keep out of reach of children.

### STORAGE PRECAUTIONS:

Avoid extreme temperatures. Keep container closed when not in use. Store in a cool dry place.

### MISCELLANEOUS:

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in this data sheet must be observed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING CONTROLS:

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

### 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:

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.



(section 8 continued)

**EXPOSURE GUIDELINES:**

**TOLUENE**

OSHA TWA: 100 ppm, 375 mg/m<sup>3</sup>  
ACGIH TWA: 100 ppm  
OSHA STEL: 150 ppm, 560 mg/m<sup>3</sup>  
ACGIH STEL: 150 ppm

**9. PHYSICAL AND CHEMICAL PROPERTIES**

FORM .....: Liquid  
BOILING POINT .....: 140 F @ 760 mm Hg  
VAPOR PRESSURE .....: 227.00 mm Hg @ 100 F  
VAPOR DENSITY .....: Heavier than air (Air = 1)  
SPECIFIC GRAVITY .....: 0.830 (Water = 1)  
BULK DENSITY .....: 6.910 lbs/gallon  
% VOLATILES .....: 93 - 97 %  
EVAPORATION RATE .....: Slower than ether  
VOLATILE ORGANIC COMPOUNDS (VOC) ...: 6.620 lbs/gallon

**10. STABILITY AND REACTIVITY**

**STABILITY:**

Stable.

**POLYMERIZATION:**

Product will not undergo polymerization.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

Avoid contact with strong oxidizing agents, strong alkalies, strong mineral acids.

**DECOMPOSITION:**

May form carbon dioxide and carbon monoxide, various hydrocarbons, halogenated hydrocarbons, oxides of nitrogen.

**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 .....: Primer I  
D.O.T. SHIPPING NAME .....: 49 CFR 172.101  
TECHNICAL SHIPPING NAME ...: ADHESIVES  
D.O.T. HAZARD CLASS .....: Class 3  
UN NUMBER .....: UN 1133 - II

**15. REGULATORY INFORMATION**

**Canadian Disclosure List**

TOLUENE (108-88-3)  
ETHYLBENZENE (100-41-4)  
HEXANE (110-54-3)

**SARA Title III - Section 313**

TOLUENE (108-88-3)  
XYLENE (1330-20-7)  
ETHYLBENZENE (100-41-4)  
HEXANE (110-54-3)

**CERCLA Hazardous Substances**

TOLUENE (108-88-3) -- RQ 1000 lb  
XYLENE (1330-20-7) -- RQ 1000 lb  
ETHYLBENZENE (100-41-4) -- RQ 1000 lb

**RCRA Hazardous Substances**

TOLUENE (108-88-3) -- RCRA Code: U220  
XYLENE (1330-20-7) -- RCRA Code: U239



(section 15 continued)

**Title v**

- TOLUENE (108-88-3)
- XYLENE (1330-20-7)
- ETHYLBENZENE (100-41-4)

**CA Proposition 65**

- TOLUENE (108-88-3)

**SC Toxic Air Pollutants List**

- TOLUENE (108-88-3)
- XYLENE (1330-20-7)
- ETHYLBENZENE (100-41-4)
- HEXANE (110-54-3)

**16. OTHER INFORMATION**

PREPARED BY .....: Laura  
 APPROVED BY .....: Laura Vollenweider  
 TITLE .....: Chemist  
 APPROVAL DATE .....: October 24, 2005  
 SUPERCEDES DATE ...: November 18, 2003  
 MSDS NUMBER .....: CTGO00PRM0001  
 RTN NUMBER .....: 00000030 (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 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**  
 \*\*\*\*\*

