

# MATERIAL SAFETY DATA SHEET

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: ER FOAM 502072 Cold Weather  
Product Number: 2.0 pound density foam  
Chemical Name: Polyurethane System Resin  
Component  
Chemical Family: NA  
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)

### **SPECIAL NOTES:**

2.0 pound density polyurethane foam system resin component.

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### **COMPONENT LISTING:**

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
DIMETHYLETHANOLAMINE	< 5.0 %	108-01-0
PENTAFLUOROPROPANE	< 15.0 %	460-73-1
CATALYST	< 2.0 %	Proprietary
SURFACTANT	< 1.0 %	Proprietary
POLYOL	< 70.0 %	Proprietary
FLAME RETARDANT	< 20.0 %	Proprietary

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

### **HAZARDS DISCLOSURE**

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



### 3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****  
*  
* CAUTION *  
*  
* May cause eye, skin and respiratory tract *  
* irritation. May cause eye, skin and respiratory *  
* tract irritation. Corrosive to skin. Severely *  
* irritating to eyes, skin, respiratory tract. *  
* Sensitizer. *  
* *  
*****
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HMIS Rating - Health: 1  
Flammability: 1  
Reactivity: 1  
Personal Protection Index: N/A

#### POTENTIAL HEALTH EFFECTS

**EYE:**

Contact may cause eye irritation.

**SKIN:**

May cause allergic skin reaction. Dimethylaminoethanol is extremely irritating to the skin. Direct contact with the skin is corrosive. Can cause moderate skin irritation. Repeated skin contact may result in sensitization.

**INHALATION:**

Avoid breathing vapors or mists. Prolonged or excessive inhalation may cause respiratory tract irritation. Inhalation of dimethylaminoethanol at high concentrations has been known to produce respiratory difficulties, loss of coordination and decreased motor activity in rats.

**INGESTION:**

Harmful if swallowed.

**CHRONIC EFFECTS:**

Repeated skin contact with dimethylaminoethanol may result in sensitization. Repeated inhalation has been known to produce effects on the eyes and nasal mucosa as well as respiratory and olfactory lesions in experimental animals. Exposure to dimethylaminoethanol has been associated with visual and ocular changes and is reversible upon significantly reduced or ceased exposure.



(section 3 continued)

**MISCELLANEOUS:**

At levels above the recommended exposure limit, the fluorocarbon acts as a weak narcotic. Acute overexposure causes tremors, confusion, irritation, suffocation, and may result in cardiac sensitization.

**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.

**SKIN CONTACT FIRST AID:**

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

**INHALATION FIRST AID:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.

**INGESTION FIRST AID:**

If swallowed, immediately give 2 glasses of water. Induce vomiting. Contact a physician. Never give anything by mouth to an unconscious person. Get immediate medical attention.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

TCC Flash Point: > 120.0 C (> 248.0 F)  
Autoignition Temperature: N/A

**FLAMMABLE LIMITS IN AIR**

LEL: N/A  
UEL: N/A

**FLAMMABLE PROPERTIES:**

Full emergency equipment with self contained breathing apparatus and full protective clothing should be worn.

**EXTINGUISHING MEDIA:**

Water, carbon dioxide, foam or dry powder.



(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.

**6. ACCIDENTAL RELEASE MEASURES**

**SAFEGUARDS (PERSONNEL):**

Wear safety goggles. Wear appropriate personal protective equipment. Ventilate spill area.

**INITIAL CONTAINMENT:**

Contain spilled material. Absorb spills with inert material.

**LARGE SPILLS PROCEDURE:**

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. 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 contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Wash hands thoroughly after handling.

**HANDLING (PHYSICAL ASPECTS):**

Avoid extreme temperatures. Close container after each use. Keep out of reach of children.

**STORAGE PRECAUTIONS:**

Product that is frozen and/or tending to sedimentation can be liquified or homogenized by careful application of indirect heat (do not use flames or direct contact with a heat source). Protect from direct sunlight. Keep in a cool, well ventilated place. Avoid extreme heat. Store protected against freezing. Stored and transported in a cylinder under pressure. Must not be repackaged.



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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

Use local exhaust to control vapors/mists.

**EYE / FACE PROTECTION REQUIREMENTS:**

Wear chemical goggles; also wear a face shield if splashing hazard exists.

**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.

**EXPOSURE GUIDELINES:**

No Information Available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM .....: Liquid, viscous  
COLOR .....: Amber  
ODOR .....: Etherlike  
BOILING POINT .....: NA F  
SOLUBILITY IN WATER ...: Slight  
BULK DENSITY .....: 9.81  
PH .....: > 7  
VISCOSITY .....: 800 cps

## 10. STABILITY AND REACTIVITY

**STABILITY:**

Stable. Do not heat.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

Avoid moisture, direct sunlight and excessive temperatures.

**DECOMPOSITION:**

Decomposition products may be CO and CO2.

**CONDITIONS TO AVOID:**

> 80 degrees Fahrenheit.



**11. TOXICOLOGICAL INFORMATION**

No information available.

**12. ECOLOGICAL INFORMATION**

No information available.

**13. DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:**

Incinerate in a licensed facility. Do not discharge into waterways or sewer systems.

**CONTAINER DISPOSAL:**

Steel drums must be emptied (as defined by RCRA, Section 261.7 or state regulations that may be more stringent) and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer, or an approved landfill. Drums destined for a scrap dealer or landfill must be punctured or crushed to prevent reuse.

**14. TRANSPORTATION INFORMATION**

PRODUCT LABEL .....: ER FOAM 502072 Cold Weather  
D.O.T. SHIPPING NAME .....: N/A  
TECHNICAL SHIPPING NAME ...: N/A  
D.O.T. HAZARD CLASS .....: N/A  
UN NUMBER .....: N/A

**15. REGULATORY INFORMATION**

No information available.



**16. OTHER INFORMATION**

PREPARED BY .....: Laura  
APPROVED BY .....: N/A  
TITLE .....: Chemist  
APPROVAL DATE .....: DRAFT COPY  
SUPERCEDES DATE ...: October 11, 2007  
MSDS NUMBER .....: foam502072CW  
RTN NUMBER .....: 00000138 (Draft 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 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.

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**END OF MSDS**  
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