

# MATERIAL SAFETY DATA SHEET

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Eraguard 4000 (EG 4000)  
Product Number: pails, drums  
Chemical Name: Silicone based elastomeric coating  
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>
QUARTZ (SIO <sub>2</sub> )	30.0 - 60.0 %	14808-60-7
STODDARD SOLVENT	15.0 - 40.0 %	8052-41-3
TITANIUM DIOXIDE	5.0 - 10.0 %	13463-67-7
2-BUTANONE OXIME	< 1.0 %	96-29-7
AMORPHOUS SILICA	1.0 - 5.0 %	112945-52-5
2-BUTANONE, O,O',O''-(METHYLSILYLIDYNE)TRIOXIME	3.0 - 7.0 %	22984-54-9
2-BUTANONE, O,O'-(METHOXYMETHYLSILYLENE)DIOXIME	< 1.0 %	83817-72-5

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)



### 3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
*                               CAUTION                               *
*
* Combustible liquid. May cause eye, skin and                       *
* respiratory tract irritation. Can cause damage to                   *
* the blood-forming organs based on animal data. May                 *
* cause spleen damage based on animal data. Contains                 *
* material which may cause cancer. Can cause lung                   *
* damage. Can cause central nervous system.                          *
* Prolonged or repeated contact may result in                       *
* dermatitis.                                                         *
*
*****

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HMIS Rating -           Health: 1  
                  Flammability: 2  
                  Reactivity: 0

#### POTENTIAL HEALTH EFFECTS

##### EYE:

Contact may cause eye irritation. Symptoms may include stinging, tearing, redness and swelling.

##### SKIN:

Can cause moderate skin irritation. Prolonged or repeated exposure may dry skin. Symptoms may include redness, burning, drying and cracking.

##### INHALATION:

Breathing small amounts during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms of exposure may include: nose, throat, respiratory tract irritation; metallic taste in mouth, impaired coordination, confusion, CNS depression (dizziness, drowsiness, weakness, fatigue, nausea, headache).

##### INGESTION:

Swallowing large amounts may be harmful. Symptoms may include: nausea, vomiting, diarrhea, and possible liver damage. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage.



(section 3 continued)

**CHRONIC EFFECTS:**

Overexposure to quartz, a crystalline silica, results in silicosis, a dust disease of the lungs characterized by coughing, difficulty breathing, wheezing. Quartz is listed by NTP and ACGIH as a suspected human carcinogen.

**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.

**INHALATION FIRST AID:**

If inhaled, remove to fresh air. If not breathing, give artificial respiration. Get medical attention if cough or other symptoms develop.

**INGESTION FIRST AID:**

Do NOT induce vomiting. Get immediate medical attention.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

TCC Flash Point: 38 C (100.4 F)  
Autoignition Temperature: N/A

**FLAMMABLE LIMITS IN AIR**

LEL: N/A  
UEL: N/A

**EXTINGUISHING MEDIA:**

Water, carbon dioxide, foam or dry powder.

**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.

**6. ACCIDENTAL RELEASE MEASURES**

**SAFEGUARDS (PERSONNEL):**

Wear safety goggles. Wear appropriate personal protective equipment.

**INITIAL CONTAINMENT:**

Shut off and eliminate all ignition sources. Ventilate area. Keep product out of sewers and water courses.

**LARGE SPILLS PROCEDURE:**

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

**7. HANDLING AND STORAGE**

**RECOMMENDED STORAGE TEMPERATURE**

Minimum: 21.1 C (70.0 F)  
Maximum: 26.7 C (80.1 F)

**HANDLING (PERSONNEL):**

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

**HANDLING (PHYSICAL ASPECTS):**

Avoid storage above 100F. Avoid prolonged or repeated skin contact. Provide appropriate ventilation.

**STORAGE PRECAUTIONS:**

Keep container closed when not in use. Do not handle or store near heat, ignition sources, or strong oxidants.

**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.



(section 8 continued)

**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.

**EXPOSURE GUIDELINES:**

**STODDARD SOLVENT**

OSHA PEL: 500 ppm, 2900 mg/m<sup>3</sup>

OSHA TWA: 100 ppm, 525 mg/m<sup>3</sup>

**9. PHYSICAL AND CHEMICAL PROPERTIES**

FORM .....: Viscous Liquid  
COLOR .....: Light grey, dark grey, or white  
ODOR .....: Solvent - Like  
BOILING POINT .....: > 35 C  
SOLUBILITY IN WATER ...: Negligible  
SPECIFIC GRAVITY .....: 1.2 (Water = 1)

**10. STABILITY AND REACTIVITY**

**STABILITY:**

Stable.

**POLYMERIZATION:**

Product will not undergo polymerization.

**DECOMPOSITION:**

By high heat or fire; carbon monoxide, carbon dioxide, formaldehyde, nitrogen oxide, metallic oxides.

**CONDITIONS TO AVOID:**

Keep away from heat, sparks, or flame.



**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.

**CONTAINER DISPOSAL:**

Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer, or an approved landfill. Decontaminate containers prior to disposal.

**14. TRANSPORTATION INFORMATION**

PRODUCT LABEL .....: Eraguard 4000 (EG 4000)  
D.O.T. SHIPPING NAME ...: N/A  
D.O.T. HAZARD CLASS ....: Non-Hazardous  
UN NUMBER .....: N/A

**15. REGULATORY INFORMATION**

**Canadian Disclosure List**

QUARTZ (SIO2) (14808-60-7)  
STODDARD SOLVENT (8052-41-3)



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**16. OTHER INFORMATION**

PREPARED BY .....: Laura  
APPROVED BY .....: Laura Vollenweider  
TITLE .....: Chemist  
APPROVAL DATE .....: October 13, 2005  
SUPERCEDES DATE ...: December 27, 2004  
MSDS NUMBER .....: sili00egw4000  
RTN NUMBER .....: 00000039 (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 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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