

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Eraguard GC
Product Number: pails, drums, totes
Chemical Name: High solids elastomeric acrylic
topcoat for foam
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>
ZINC OXIDE	< 3.0 %	1314-13-2
ETHYLENE GLYCOL	< 2.0 %	107-21-1

(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 acute, chronic 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: 1
Flammability: 0
Reactivity: 0
Personal Protection Index: J

POTENTIAL HEALTH EFFECTS

EYE:

Contact may cause eye irritation.

SKIN:

Can cause moderate skin irritation.

INGESTION:

Ingestion may include inebriation, nausea, and vomiting, metabolic acidosis, and CNS depression. Cardiopulmonary effects including tachycardia, hypertension, severe metabolic acidosis with hyperventilation, hypoxia, congestive heart failure and adult respiratory distress syndrome, as well as, renal failure are also possible. May also produce a local irritation effect on the digestive system, and cause pain and bleeding.

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.



(section 4 continued)

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:

Get immediate medical attention. Never give anything by mouth to an unconscious person.

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

EXTINGUISHING MEDIA:

Water, carbon dioxide, foam or dry powder.

FIRE & EXPLOSION HAZARDS:

No known unusual hazards in a fire/explosion situation.

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:

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.



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):

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.

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:

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

EXPOSURE GUIDELINES:

ZINC OXIDE

OSHA TWA: 10.000 mg/m³
ACGIH TWA: 5.000 mg/m³
OSHA STEL: 10.000 mg/m³
ACGIH STEL: 10.000 mg/m³

ETHYLENE GLYCOL

OSHA Ceiling Limit: 50 ppm, 125 mg/m³



9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: White or Gray
ODOR: Faint Odor
BOILING POINT: 212 F
SOLUBILITY IN WATER: Miscible
SPECIFIC GRAVITY: 1.5 (Water = 1)
MELTING/FREEZING POINT: 32 F
PH: 8.5 to 9.5
VISCOSITY: 15,000 to 22,000 cps
VOLATILE ORGANIC COMPOUNDS (VOC) ...: 0.13 lb/gallon

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly.

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: Eraguard GC
D.O.T. SHIPPING NAME ...: N/A
D.O.T. HAZARD CLASS: Non-Hazardous

15. REGULATORY INFORMATION

Canadian Disclosure List

ZINC OXIDE (1314-13-2)
ETHYLENE GLYCOL (107-21-1)

SARA Title III - Section 313

ZINC OXIDE (1314-13-2)
ETHYLENE GLYCOL (107-21-1)

CERCLA Hazardous Substances

ETHYLENE GLYCOL (107-21-1) --

Title V

ETHYLENE GLYCOL (107-21-1)

SC Toxic Air Pollutants List

ETHYLENE GLYCOL (107-21-1)

MISCELLANEOUS INFORMATION:

This material contains a component(s) with known CAS number classified as hazardous substances subject to the reporting of CERCLA (40 CFR 302) and/or to the release reporting requirements of the SARA (Section 302) based on reportable quantities (RQs).

Component	RQ
Ethlene glycol/ CAS# 107-21-1	5000 lbs.

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

16. OTHER INFORMATION

PREPARED BY: Tim
APPROVED BY: Laura Vollenweider
TITLE: Chemist
APPROVAL DATE: August 6, 2009
SUPERCEDES DATE ...: New
MSDS NUMBER: acry00eggc00
RTN NUMBER: 00000182 (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

