

# MATERIAL SAFETY DATA SHEET

Last Update: October, 2009

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Emergency Contact: CHEMTREC **800-424-9300**

ANSI 2400.1 Format

Product Name: Roof Guardian Technologies - No Slope Resurfacing Membrane

Item Number: RG-15

Chemical Name: Acrylic polymer, pigment, extender and water mixture

Comparable Products: Fortress Flexlastic #5410

Company Information: STS Coatings, Inc.

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Component                | CAS NO.    | % by Weight |
|--------------------------|------------|-------------|
| Asphalt                  | 8052-42-4  | 20 +/- 5    |
| Aromatic Naphtha         | 64742-95-6 | 30 +/- 5    |
| Mineral Spirits          | 64742-88-7 |             |
| Styrene Butadiene Rubber | 9003-55-8  |             |
| Coal Tar Resin           | 7731-18-5  | 50 +/- 5    |

**Note:** The above components and their percentages are provided for health and safety purposes ONLY. This document should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

HMIG  
 Health 1  
 Flammability 0  
 Reactivity 0  
 Protective Equipment B

Appearance and odor: Shiny black, brown liquid like thin chocolate pudding with ammonia odor.

**WARNING STATEMENTS:** Harmful if swallowed. May cause eye and skin irritation.

### POTENTIAL HEALTH EFFECTS:

Likely routes of exposure:

EYE CONTACT: Conjunctivitis, irritation, tearing  
 SKIN CONTACT: Irritation or inflammation. Allergic skin reactions may occur.  
 INHALATION: Not expected to be an inhalation hazard.  
 INGESTION: Considered unlikely.

Refer to Section 11 for toxicological information.

## 4. FIRST AID MEASURES

IF IN EYES: Immediately flush with large amounts of potable water. Eye lids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

IF ON SKIN: Remove clothing and wash with soap and water.

IF INHALED: Not expected to be an inhalation hazard.

IF INGESTED: Do not induce vomiting – aspiration hazard. If spontaneous vomiting occurs, monitor for breathing difficulty. Get immediate medical attention.

## 5. FIRE FIGHTING MEASURES

FLASH POINT: Water-based, not applicable. Will not burn until cured.

HAZARDOUS PRODUCTS OF COMBUSTIONS: H<sub>2</sub>S, CO, CO<sub>2</sub> and SOX  
 EXTINGUISHING MEDIA: Foam CO<sub>2</sub> or dry chemical extinguishers  
 UNUSUAL FIRE AND EXPLOSION HAZARDS: Stable. Water may cause frothing

**6. ACCIDENTAL RELEASE MEASURES**

If your facility or operation has an “oil or hazardous substance contingency plan”, activate the procedure. Take immediate steps to stop and contain the spill.

Shut off all sources of ignition.

- Keep people away.
- Recover free product, add limestone, earth or other suitable absorbents.
- Minimize skin contact and avoid breathing vapors.
- Ventilate confined spaces.
- Keep product out of sewers and waterways by diking or impounding.
- Advise authorities if product has entered sewers, waterways or extensive land areas.
- Assure conformity with all applicable government regulations.
- Dispose of in an approved facility, see Section 13, Disposal Considerations.

**7. HANDLING AND STORAGE**

HANDLING: Wear protective clothing, gloves and OSHA approved eye protection. When not in use, securely replace lid on open containers.

STORAGE: Store in a cool dry, place away from heat and corrosion sources.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

- EYE PROTECTION: OSHA approved glasses, goggles or full face shield. Have eyebaths readily available. Do not wear contact lenses.
- SKIN PROTECTION: Wear impervious gloves and clothing to prevent skin contact.
- RESPIRATORY PROTECTION: Not applicable.
- VENTILATION: Maintain positive flow of fresh air.
- AIRBORNE EXPOSURE LIMITS: OSHA PEL ACGIH TLV

**Note: All pigments, fillers, fibers, and extenders in this product are totally encapsulated and do not pose a respirable dust hazard during installation and use of this product. Components referred to herein, may be regulated by specific Canadian provincial legislation. Please refer to exposure limits legislated for the province in which the substance will be used.**

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- CHEMICAL FORMULA: Not applicable, mixture
  - APPEARANCE: Translucent blue-green, thin liquid
  - ODOR: Mild ammonia odor
  - PH: Approximately 8.0 – 10.0
  - MELTING POINT (°F): Not applicable.
  - DENSITY (lb/gal): Greater than 8.4
  - SOLUBILITY IN WATER: Insoluble but miscible with water.
- NOTE: These physical data are typical values based on material testing, but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.*

**10. STABILITY AND REACTIVITY**

- STABILITY: Stable.
- MATERIALS TO AVOID: Strong oxidizers
- HAZARDOUS DECOMPOSITION PRODUCTS: H<sub>2</sub>S, CO, CO<sub>2</sub> and SOX
- HAZARDOUS POLYMERIZATION: None.

**11. TOXICOLOGICAL INFORMATION**

- Oral – rat LD50 (mg/kg): Biocide 1620
- Dermal – rabbit LD50 (mg/kg): Biocide > 2000
- Eye irritation – rabbit: no data available
- Skin irritation – rabbit (24-hr exposure): no data available

<sup>1</sup> Hazard Ratings: least = 0 slight = 1 moderate = 2 high = 3 extreme = 4 Based upon NPCA guidelines

**12. ECOLOGICAL INFORMATION**

This product may cause adverse environmental effects if used improperly or released into the environment through a spill. Employ best management practices to prevent this material from entering storm sewer systems, waterways or otherwise impacting plant and animal species.

**13. DISPOSAL CONSIDERATIONS**

This product, when discarded or disposed of, is not specifically listed as a hazardous waste in federal regulations. It could be designated as a hazardous waste according to state regulations. This product could also become a hazardous waste if it is mixed with or comes in contact with a hazardous waste. If such contact occurs, consult 40 CFE, to determine whether it is a hazardous waste.

The transportation, storage, treatment and disposal of this waste must be conducted in accordance with all applicable federal, state and local regulations.

**14. TRANSPORT INFORMATION**

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

US DOT: Not classified as hazardous material under HM-181.  
 CANADIAN TDG: Not determined.

**15. REGULATORY INFORMATION**

TSCA INVENTORY: Not determined.

DSL INVENTORY: Not determined.

WHMIS CLASSIFICATION: Not determined.

SARA HAZARD NOTIFICATION:

|  |                |
|--|----------------|
| Hazardous Categories Under Title III Rules (40 CFR 370): | Not applicable |
| Section 302 Extremely Hazardous Substances:              | Not applicable |
| Section 313 Toxic Chemical(s):                           | Not applicable |

CERCLA REPORTABLE QUANTITY: Component % by weight

CA Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm.  
 Refer to Section 11 for OSHA/HPA Hazardous Chemical(s) and Section 13 for RCRA classification.

**16. OTHER INFORMATION**

This material has been defined as a hazardous chemical under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

|                                    | <u>Health</u> | <u>Fire</u> | <u>Reactivity</u> | <u>Add'l Information</u> |
|------------------------------------|---------------|-------------|-------------------|--------------------------|
| Suggested NFPA <sup>1</sup> Rating | 1             | 0           | 0                 |                          |
| Suggested HMIS <sup>1</sup> Rating | 1             | 0           | 0                 |                          |

The information and recommendations contained herein are to the best of STS Coatings, Inc. knowledge and belief, accurate and reliable as of the date issued. STS Coatings, Inc. Does not warrant or guarantee their accuracy or reliability, and STS Coatings, Inc. shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use. It is also the user's responsibility to make certain that it is relying up on the most recent, updated, information and recommendations available from STS Coatings, Inc.

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The Environmental Information included as well as the Hazardous Material Identification System (HMIS) and National Fire Protection Association (NFPA) ratings, have been included by STS Coatings, Inc. in order to provide additional health and hazard classification information. The ratings recommended are based up on the criteria supplied by the developers of these rating systems, together with STS Coatings, Inc.'s interpretation of the available data.

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