

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 - Grey Elastomeric Coating
 Item Number: RG-130
 Chemical Name:
 Comparable Products: Unicoat Grey Elastomeric Roof Coating
 Company Information: STS Coatings, Inc.
 347 Hwy 289
 Comfort, TX 78013
 Ph. 830-995-5177 Fax 830-995-5705

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS NO.	VAPOR PRESSURE		% by Weight
		mm Hg @ Temp		
Titanium Dioxide	13463-67-7	n/a	n/a	6.34
Zinc Oxide	1314-13-2	n/a	n/a	3.00
Propylene Glycol	57-55-6	0.13	77°F	1.86

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 G

POTENTIAL HEALTH EFFECTS:

Likely routes of exposure: Inhalation, skin, eye contact
 EYE CONTACT: May cause irritation.
 SKIN CONTACT: May cause mild irritation.
 INHALATION: May cause irritation of throat and lung.
 INGESTION: If ingested, seek medical advice immediately.
 HEALTH HAZARDS (ACUTE AND CHRONIC): There is no data available addressing medical conditions which are generally recognized as being aggravated by this product.
 MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Vapor may aggravate tissue in nasal and respiratory passages.

4. FIRST AID MEASURES

IF IN EYES: Flush with large amounts of water for 15 minutes, lifting upper and lower lids occasionally. Get medical attention.
 IF ON SKIN: Thoroughly wash exposed area with soap and water. Remove contaminated clothing.
 IF INHALED: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. Keep person warm and quiet and get medical attention.
 IF INGESTED: Give 2 glasses of water to dilute. **DO NOT** induce vomiting – aspiration hazard. If spontaneous vomiting occurs, be sure to keep victim’s head below hips to avoid aspiration of vomit into lungs, monitor for breathing difficulty. Get immediate medical attention.

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

5. FIRE FIGHTING MEASURES

FLASH POINT: N.A. D.O.T. CATEGORY – N/R METHOD USED: N/A
 FLAMMABLE LIMITS IN AIR BY VOLUME – LOWER: N.A. UPPER: N.A.

EXTINGUISHING MEDIA: Alcohol Foam, CO2, Foam, Dry Chemical, Water Fog.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool containers exposed to fire to prevent pressure build-up.

UNUSUAL FIRE AND EXPLOSION HAZARDS: The material will not support combustion unless the water has evaporated.

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.

Contain spill with inert absorbent material.

Place in appropriate containers for disposal according to state, local or federal regulations.

Do not store above 120 °F. Keep from freezing.

Keep containers closed tight and upright to prevent leakage. Keep out of the reach of children.

7. HANDLING AND STORAGE

Do not store above 120°F. Do not allow to freeze.

Keep container tightly closed in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: If spray mists are generated, wear NIOSH approved particulate respirator.

VENTILATION: Normal good ventilation.

PROTECTIVE GLOVES: Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.

EYE PROTECTION: Use splash goggles or face shield when eye contact may occur.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Use chemical resistant apron or other impervious clothing, if needed, to avoid contaminating regular clothing which could result in prolonged or repeated skin contact.

WORK/HYGIENIC PRACTICES:

Minimize breathing vapor or mist. Avoid prolonged or repeated contact with skin. Remove contaminated clothing; launder or dry clean before reuse. Remove contaminated shoes and thoroughly clean and dry before reuse. Cleanse skin thoroughly after contact, before breaks and meals, and at the end of work period. Product is removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE: 212°F

SPECIFIC GRAVITY (H2O=1): 1.42

VAPOR DENSITY: Heavier Than Air

EVAPORATION RATE: Slower Than Ether

SOLUBILITY IN WATER: Completely Soluble

APPEARANCE AND ODOR: Grey liquid emulsion with slight ammonia odor.

COATING V.O.C.: g/l 49

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: none known

INCOMPATIBILITY: strong oxidizers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Normal combustion products including CO₂, CO, and various hydrocarbon fragments.

HAZARDOUS POLYMERIZATION: Will not occur.

13. DISPOSAL CONSIDERATIONS

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Dispose of in accordance with all applicable federal, state and local regulations.

14. TRANSPORT INFORMATION

Do not allow to freeze.

15. REGULATORY INFORMATION

No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification.

TSCA CERTIFICATION – All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

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.

16. OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

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.

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.

For Other Product Information Contact:

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