



# MATERIAL SAFETY DATA SHEET

Date: January 4, 2006

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: GreatSeal  
Item Number: PE-150  
Chemical Name: Silyl Terminated Polyether sealant  
Comparable Products: NovaLink – ChemLink or CX-150 Degussa Building Systems  
Company Information: STS Coatings, Inc.  
347 Hwy 289  
Comfort, TX 78013

Emergency Phone: 830-995-5177  
General Information: 830-995-5177

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>CAS NO.</u> | <u>CONCENTRATION</u> |
|------------------|----------------|----------------------|
|------------------|----------------|----------------------|

|              |           |        |
|--------------|-----------|--------|
| Amino Silane | 1760-24-3 | 1 – 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:** Signs & symptoms of overexposure are headache, dizziness, nausea, and loss of coordination. Redness and itching or burning sensation may indicate eye or excessive skin exposure.

**POTENTIAL HEALTH EFFECTS:**

Likely routes of exposure: eye, skin contact.

ACUTE EYE CONTACT: direct contact can cause severe irritation.

ACUTE SKIN CONTACT: direct contact can cause slight irritation.

SKIN ABSORPTION: Not toxic

INHALATION: Product is extremely low in volatility and therefore not likely to pose a problem from inhalation.

INGESTION: May be harmful if ingested, not a likely route of entry.

CHRONIC EXPOSURE: Repeated or prolonged direct contact to the eyes may cause chemical burns.

Repeated or prolonged direct contact to the skin may cause a dermatitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Preexisting skin and eye disorders may be aggravated by direct contact to this product.

CARCINOGENICITY: There are no components in this product that are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

## 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 ill effects or irritation occurs.

IF ON SKIN: Clean product from affected area with Ethyl alcohol, then wash with soap and water.

IF INHALED: An unlikely route of entry. If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. Keep person warm and quiet and get medical attention.

IF INGESTED: An unlikely route of entry. Do not induce vomiting – aspiration hazard. If conscious, drink plenty of water. 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.

## 5. FIRE FIGHTING MEASURES

FLASH POINT: not applicable

FLAMMABLE LIMITS IN AIR BY VOLUME – LOWER: N.A. UPPER: N.A.

FLAMMABILITY CLASSIFICATION: N.A.

STS Material Safety Data Sheet

Material: GreatSeal Polyether sealant

Item No.: PE-150

Page 1 of 4

Created on 3/14/2006 3:26 PM

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



**HAZARDOUS COMBUSTION PRODUCTS:** Thermal decomposition may produce toxic fumes of carbon monoxide and/or carbon dioxide.

**EXTINGUISHING MEDIA:** Water, CO<sub>2</sub>, dry chemical, foam.

**SPECIAL FIREFIGHTING PROCEDURES:** None. As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None. This product is not considered flammable.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Use personal protection recommended in section 8.

**METHODS FOR CLEANING UP:** Collect spill with absorbent material such as cardboard and place into a container approved for waste disposal.

## 7. HANDLING AND STORAGE

**HANDLING:** Use personal protection recommended in section 8. Avoid eye, skin and clothing direct contact.

**STORAGE:** Keep container tightly closed in a dry, cool and well-ventilated place. This product polymerizes when in contact with moisture.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**EXPOSURE GUIDELINES:** No established limits.

**ENGINEERING CONTROLS:** No specific controls are needed.

**EYE PROTECTION:** Use safety glasses to avoid direct eye contact.

**SKIN PROTECTION:** Wear protective gloves to minimize contact with skin.

**RESPIRATORY PROTECTION:** Respiratory protection is not required for this product.

**WORK/HYGIENIC PRACTICES:** Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** paste (reacts with moisture to become a firm synthetic rubber)

**SPECIFIC GRAVITY:** varies from color to color. All colors are heavier than water

**ODOR AND APPEARANCE:** mild ester odor, thick paste of various colors

**BULK DENSITY:** 13.35 lbs/gallon

**EVAPORATION RATE:** not applicable

**BOILING POINT (F):** not established

**FREEZE POINT:** not established

**VAPOR DENSITY (air = 1):** > 1

**VAPOR PRESSURE (mmHg):** Not established

**COEFFICIENT OF WATER/OIL DISTRIBUTION:** Not established

**VISCOSITY:** 800,000 – 1,000,000 cP

**PH:** not established

*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:** considered stable

**CONDITIONS TO AVOID:** None known.

**INCOMPATIBLE MATERIALS:** None known.

**REACTIVITY:** Hazardous reaction will not occur.

**HAZARDOUS DECOMPOSITION PRODUCTS:** None known.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

STS Material Safety Data Sheet

Material: GreatSeal Polyether sealant

Item No.: PE-150

Page 2 of 4

Created on 3/14/2006 3:26 PM

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Information below is based on Amino Silane (refer to sections 2 and 3 above)

ORAL: Result: LD50 > 2,000 mg/kg. Remark: Very low order of toxicity  
SKIN ABSORPTION RESULT: LD50 > 2,000 mg/kg. Remark: very low order of toxicity  
SKIN DIRECT CONTACT RESULT: slight irritation  
EYE DIRECT CONTACT RESULT: severe irritation. remark: causes corneal injury  
INHALATION RESULT: LC50 not acutely toxic  
EXPOSURE LIMITS: not applicable  
SENSITIZATION: no  
REPRODUCTIVE TOXICITY: no  
MUTAGENICITY: no  
TERATOGENICITY: no  
SYNERGISTIC PRODUCTS: none

#### 12. ECOTOXICOLOGICAL INFORMATION

No known applicable information.

#### 13. DISPOSAL CONSIDERATIONS

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. This product becomes a firm synthetic rubber when cured. Please allow to cure before disposal.

#### 14. TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION: none  
DOT: not regulated  
TDG: not available  
PIN: not available

#### 15. REGULATORY INFORMATION

OSHA 29 CFR 1910-1200: Irritant

SARA Title III:

Section 302 – extremely hazardous substances: none  
Section 304 – not applicable  
Section 311/312 – immediate (acute) health hazard  
Section 313 - none

TSCA: All components of this product are listed on TSCA Inventory.

CERCLA REPORTABLE QUANTITY: not applicable

RCRA: Refer to section 13.

CA Proposition 65 Warning: This product contains no levels of listed substances which the State of California has found to cause cancer, birth defects, and/or other reproductive harm.

WHIMS CLASSIFICATION: D2B

#### 16. OTHER INFORMATION

Prepared in accordance with 29 CFR 1910.1200

This product has been classified in accordance with the hazard criteria of the 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 users 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 users 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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