

# Material Safety Data Sheet

**Universal Single Ply Sealant**

**MSDS No. 310131**

Date of Preparation: 9/15/11

Revision: 002

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Universal Single Ply Sealant

**Chemical Formula:** Silyl Terminated Polyether

**CAS Number:**

**Other Designations:**

**General Use:** Moisture Cure Sealant

**Manufacturer:** Carlisle SynTec Inc., P.O. Box 7000, 1285 Ritner Hwy, Carlisle, PA, 17013-0925 (717) 245-7000  
Chemtrec (800) 424-9300

## Section 2 - Hazards Identification

### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Warning – Causes mild skin irritation

Warning – causes eye irritation

**HMIS**

**H** 1

**F** 0

**R** 0

**PPE**†

†Sec. 8

### Potential Health Effects

**Routes of Entry:** Dermal contact, Eye.

**Acute Eye Contact:** Direct contact can cause severe irritation.

**Acute Skin Contact:** Direct contact may cause slight irritation.

**Skin Absorption:** Not Toxic.

**Acute Inhalation:** Product is extremely low in volatility and, therefore, not likely to pose a problem from inhalation.

**Acute Ingestion:** May be harmful if ingested, not a likely route of entry.

**Chronic Effects of Exposure:** Repeated or prolonged direct contact to the skin may cause dermatitis.

**Medical Conditions Aggravated by exposure:** Pre-existing skin and eye disorders may be aggravated by direct contact to this product.

**Carcinogenicity:** There are not components in this product that are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

## Section 3 – Ingredient Information

Hazardous Ingredients	CAS Number	% wt
Additional Ingredients	CAS Number	% wt
Amino Silane	1760-24-3	1-5

## Section 4 - First Aid Measures

**First Aid for Eyes:** Flush with large amounts of water for at least 15 minutes. Consult a physician if ill effects or irritation occurs.

**First Aid for Skin:** Clean product from affected area with Ethyl alcohol, then wash with soap and water.

**First Aid for Inhalation:** An unlikely route of entry. Remove to fresh air. Consult a physician.

**First Aid for Ingestion:** An unlikely route of entry. Consult a physician.

## Section 5 - Fire-Fighting Measures

**Flash Point:** Not Applicable

**Flash Point Method:** Not Applicable

**Autoignition Temperature:** Not Applicable

**LEL:** Not Applicable

**UEL:** Not Applicable

**Flammability Classification:** Not considered flammable.

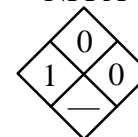
**Extinguishing Media:** Carbon Dioxide (CO<sub>2</sub>), water, dry chemical, foam

**Unsuitable Extinguishing Media:**

**Unusual Fire or Explosion Hazards:** None known.

**Hazardous Decomposition Products:** Thermal decomposition may release toxic fumes of carbon monoxide and/or carbon dioxide.

NFPA



**Fire-Fighting Procedures:** Wear full protective clothing including helmet, self contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask and protective covering for exposed areas of the head.

### Section 6 - Accidental Release Measures

**Personal Precautions:** Observe all personal protective equipment recommendations described in Sections 5 and 8.

**Environmental Precautions:** Disposal of collected product, residues and cleanup materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations.

**Spill/Leak Procedures:** Collect spill with absorbent material such as cardboard and place into a container approved for waste disposal.

### Section 7 - Handling and Storage

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

**Storage:** Store in a cool dry area (this product polymerizes when in contact with moisture.)

### Section 8 - Exposure Controls / Personal Protection

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Amino Silane	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.	none estab.

**Exposure Guidelines:** No established limits.

**Engineering Controls:** No specific controls are needed.

**Personal Protective Equipment:**

Eye Protection: Wear safety glasses or goggles to avoid eye contact.

Skin Protection: Wear impervious gloves such as vinyl to minimize contact with skin.

Respiratory Protection: Not required.

Work/Hygienic Practices: Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking.

### Section 9 - Physical and Chemical Properties

**Physical State:** Solid (Paste)

**Appearance and Odor:** Mild ester odor

**Odor Threshold:** Not determined

**Vapor Pressure:** Not established

**Vapor Density:** > 1

**Formula Weight:**

**Density:** 13.35 LBS/GAL

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** > 1

**pH:** Not established

**Water Solubility:** NIL

**Other Solubilities:**

**Boiling Point:** Not established

**Freezing/Melting Point:** Not established

**Viscosity:** Greater than 800,000 cps at 77°F/25°C

**Refractive Index:**

**Surface Tension:**

**% Volatile by Volume:**

**Evaporation Rate:** Not applicable

**Volatile Organic Content:** 0 g/L

**Flash Point:** Not Applicable

**Flash Point Method:** Not Applicable

**Autoignition Temperature:** Not Applicable

**LEL:** Not Applicable

**UEL:** Not Applicable

### Section 10 - Stability and Reactivity

**Stability:** Stable

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Chemical Incompatibilities:** None known

**Conditions to Avoid:** None known

**Hazardous Decomposition Products:** None known

**Section 11- Toxicological Information****Toxicity Data:**

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

**Oral:** Result: LD50 > 2,000 mg/kg. Remark: Very low order of toxicity.

**Skin Absorbtion:** Result: LD50 > 2,000 mg/kg. Remark: Very low order of toxicity.

**Skin /Direct Contact:** Result: Slight irritation.

**Eye Direct Contact:** Result: Severe irriation. Remark: Causes corneal injury.

**Exposure Limits:** Not Applicable.

**Sensitization:** No.

**Reproductive Toxicity:** No.

**Mutagenicity:** No.

**Teratogenicity:** No.

**Synergistic Products:** None.

**Section 12 - Ecological Information**

No known applicable information.

**Section 13 - Disposal Considerations**

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

**Section 14 - Transport Information**

**Special Shipping Information:** None.

**DOT:** Not regulated.

**TDG:** Not available

**PIN:** Not available.

**Section 15 - Regulatory Information**

**OSHA 29 CFR 1910-1200:** Irritant

**TSCA:** All components of this product are listed on TSCA inventory.

**CERCLA Reportable Quantity:** Not applicable.

**SARA Title III:**

Section 302 Extremely Hazardous Substances: None

Section 304: Not Applicable.

Section 311/312: Immediate (acute) health hazard.

Section 313: None.

RCRA: Refer to section 13.

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

WHMS Classification: D2B.

**Section 16 - Other Information**

**Prepared By:** Research and Development

**Revision Notes:** General Review

**Additional Hazard Rating Systems:**

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