

**SAFETY DATA SHEET**  
**SENTINEL® UNIVERSAL SEALANT**



**SECTION 1 IDENTIFICATION**

**Product Name** SENTINEL® Universal Sealant  
**Recommended Use** Multi-Purpose Joint Sealant  
**Manufacturer** Performance Roof Systems  
**Address** 4821 Chelsea Avenue  
Kansas City, MO 64130  
**Phone Number** (800) 727-9872  
**Emergency Number** (800) 424-9300 (CHEMTREC)

**SECTION 2 HAZARDS**

**GHS Classification** Skin Irritation: Category 2  
Eye Irritation: Category 2A  
Skin Sensitization: Category 1

**Hazard Pictographs**



**Signal Word** **WARNING**

**Hazard Statements** H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation

**Precautionary Statements** P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P264 - Wash hands, forearms and face thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P280 - Wear protective gloves and clothing

**Response** P301+P330+P331 - If swallowed: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 - If on skin (or hair), Take off immediately all contaminated clothing. Rinse skin with water/shower  
P303+P340 - If inhaled, remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P333+P313 - If skin irritation or a rash occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists get medical advice/attention.  
P370+P378 - In case of fire: Use carbon dioxide (CO<sub>2</sub>), foam, dry extinguishing powder to extinguish

**Storage Disposal** P403+P235 - Store in well-ventilated place. Keep cool  
P501 - Dispose of contents and/or container in accordance with local, regional and national regulations

ABBREVIATION KEY

GHS = Global Harmonized System  
OSHA = Occupational Safety & Health

HCS = Hazard Communication Standard

**SECTION 3 COMPOSITION**

**Chemical Composition**

COMPONENT	CAS NUMBER	PERCENT BY WEIGHT
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.

**SECTION 4 FIRST AID MEASURES**

<b>Eyes</b>	If foreign matter enters eyes, immediately flush with large amounts of potable water for at least 15 minutes or until irritation subsides. Get medical attention if irritation persists.
<b>Skin</b>	Clean product from affected area with Ethyl alcohol, then wash with soap and water.
<b>Inhalation</b>	Remove affected person from source of exposure. Call a doctor/physician if you feel unwell.
<b>First-Aid, Ingestion</b>	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention if unusual reaction is noted.
<b>Symptoms, Acute &amp; Delayed</b>	<b>Refer to Section 11 - Toxicological Information</b>
<b>Immediate Medical Attention</b>	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials

**SECTION 5 FIRE FIGHTING MEASURES**

<b>Fire Hazard</b>	Non-combustible
<b>Hazardous Products of Combustions</b>	Carbon monoxide, carbon dioxide, sulfur oxides and hydrogen
<b>Extinguishing Media</b>	Use water, CO2, dry chemical, or foam as extinguishing media
<b>Unsuitable Extinguishing Media</b>	No additional information available
<b>Firefighting instructions</b>	Do not enter fire area without proper protective equipment, including respiratory protection.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Use personal protective equipment as required during use. Evacuate unnecessary personnel.
<b>Environmental Precautions</b>	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
<b>Method and Materials for Containment &amp; Clean Up</b>	Collect spill with absorbent material such as cardboard, allow to cure and place into a container approved for disposal.

**SECTION 7 HANDLING AND STORAGE**

<b>Handling</b>	Avoid eye, skin and clothing contact. Wash thoroughly after handling. <i>Use personal protective equipment as described in Section 8.</i>
<b>Storage</b>	Store indoors in a cool, dry, well-ventilated area. This product polymerizes when in contact with moisture.

**SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Occupational Exposure Limits** Contains no substances with occupational exposure limit values.

**Personal Protective Equipment**

**Pictographs**



**Eyes/Face**

**Safety glasses with side shields**

Follow the national guidelines concerning the use of protective eye wear.

**Hand**

**Protective Gloves**

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

**Skin/Body**

Normal work clothing (long sleeved shirts, long pants and smooth bottom work shoes) is recommended.

**Inhalation**

Not expected to be needed under normal conditions.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Paste
<b>Appearance</b>	No data available
<b>Odor</b>	Mild mint scent
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Relative Evaporation Rate</b>	No data available
<b>Melting Point</b>	347 °F (175 °C)
<b>Boiling Point</b>	350 °F (177 °C)
<b>Flash Point</b>	No data available
<b>Auto-ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Specific Gravity (H<sub>2</sub>O =1)</b>	1.53
<b>Vapor pressure</b>	No data available
<b>Vapor Density (AIR=1)</b>	>1
<b>Solubility in Water</b>	Poorly soluble in water
<b>VOC content</b>	<15 g/l
<b>Percent Volatile</b>	98%

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**SECTION 10 STABILITY AND REACTIVITY**

<b>Stability</b>	Stable at room temperature in closed containers under advised storage and handling conditions.
<b>Reactivity</b>	No potentially hazardous reactions known
<b>Conditions to Avoid</b>	None known.
<b>Incompatible materials</b>	None known.
<b>Hazardous Decomposition</b>	Carbon monoxide and carbon dioxide
<b>Hazardous Polymerization</b>	Will not occur

**SECTION 11 TOXICOLOGICAL INFORMATION**

**POTENTIAL HEALTH EFFECTS**

**Eyes**

**Acute (Immediate)** Symptoms may include stinging, tearing, redness, swelling, and blurred vision.  
**Chronic (Delayed)** Causes serious eye irritation.

**Skin**

**Acute (Immediate)** May cause redness and pain.  
**Chronic (Delayed)** Causes skin irritation

**Inhalation**

**Acute (Immediate)** No adverse effects due to inhalation are expected.  
**Chronic (Delayed)** No data available

**Ingestion**

**Acute (Immediate)** Expected to be a low ingestion hazard  
**Chronic (Delayed)** No data available

**Component Analysis**

COMPONENT	CAS NUMBER	ORAL LD50 (mg/kg)	DERMAL LD50 (mg/kg)	INHALATION LC50 (mg/L)
Amino Silane	1760-24-3	>2,295 (rat)	>2,000 (rabbit)	N/A

**Component Carcinogenicity** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IRCA, OSHA and NTP.

**Mutagenicity** Based on available data, the classification criteria are not met.

**STOT Single Exposure** Based on available data, the classification criteria are not met.

**STOT Repeated Exposure** Based on available data, the classification criteria are not met.

**Eco toxicity**

COMPONENT	CAS NUMBER	FISH LC50 (mg/L)	DAPHNA EC50 (mg/L)	ALGAE EC50 (mg/L)
Amino Silane	1760-24-3	>597 (zebra fish) 96 Hours	>81 (Water flea) 48 Hours	>8.8 (algae) 72 hours

ABBREVIATION KEY

IARC = International Agency for Research on Cancer  
 NTP = National Toxicology Program  
 ACGIH = American Conference of Governmental Industrial Hygiene

LD50 = Lethal dose, 50 percent  
 LC50 = Lethal concentration, 50 Percent  
 STOT = Specific Target Organ Toxicity

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**SECTION 11 TOXICOLOGICAL INFORMATION**

**Persistence & Degradability** Amino Silane (1760-24-3)  
aerobic - Exposure time 28 d  
Result: 39 % - Not readily biodegradable.  
(Regulation (EC) No. 440/2008, Annex, C.4-A)

**Bioaccumulative potential** No Data

**Soil Absorption/Mobility** No Data

**Ozone-Depletion Potential** This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B)

**SECTION 13 DISPOSAL CONSIDERATIONS**

**Disposal Methods:** The transportation, storage, treatment and dispose of this waste must be conducted in accordance with all applicable federal, state and local regulations.

**Disposal Methods:** 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. Allow to cure before disposal.

**SECTION 14 TRANSPORT INFORMATION**

**Transportation Regulations** This product is not regulated as a hazardous material in transportation.

**SECTION 15 REGULATORY INFORMATION**

**TSCA Inventory** Components are listed

**DSL Inventory** Components are listed

**Sara 302** None

**Sara 304** None

**Sara 311/312 Categories** Acute Health Hazard

**Sara 313** None

**Clean Air Act** This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).  
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

**CA Proposition 65** This product does not contain any chemicals known by the State of California to cause cancer or reproductive harm

**Right to Know States**

COMPONENT	CAS NUMBER	MA	MN	NJ	PA	RI
Amino Silane	1760-24-3	No	No	Yes	Yes	No

ABBREVIATION KEY

TSCA = Toxic Substances Control Act  
IARC = International Agency for Research on Cancer

DSL = Domestic Substances List (Canada)

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**SECTION 16** OTHER INFORMATION

**Preparation Date** January 2021

**Revision Date** January 2022

**Summary of Changes** Branding update

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