

**SAFETY DATA SHEET**  
**Emergency Phone: Chemtrec 800-424-9300**

SDS Name: G720 Simple Saver Air-Tight Sealant™  
Issue Date: October 26, 2015

**Section 1 - Product and Company Information**

Product Name: G720 Simple Saver Air-Tight Sealant™  
Company Identification: Thermal Design, Inc, 601 N. Main St. Madison, NE 68748  
Information phone: (402) 454-6591  
Product Classification: Caulk, Sealant  
General Description: Siliconized acrylic caulk  
Color: Off white, dries clear  
Odor: Slight mild odor

**Section 2 - Hazards Identification**

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). CARCINOGENICITY - Category 1A  
Classification of the substance or mixture: Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 72.5%  
Physical Hazards: Not classified  
GHS Label Elements

Signal Word:



Danger

Hazard Statement: May cause eye/lung/ skin irritation. May cause Cancer. May cause genetic defects. May cause damage to organs through prolonged exposure.

Precautionary Statement Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves / protective clothing / eye protection / face protection. Wash well after handling. Contaminated work clothing should not be allowed out of work place.

Response: SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention / advice. Get medical attention / advice if you feel unwell.  
EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritant persists get medical attention / advice.

If exposed or concerned: get medical attention or advice. Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.

Disposal: Disposal of contents / container in accordance with local / regional / state / federal and international regulations.

Hazard(S) not Otherwise classified (HNOC):

None known.

Supplemental Information: Sanding and grinding dusts may be harmful if inhaled. This product contains

Substance(s) formed under the conditions of use:

Crystalline Silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Since this product is not meant to be sanded or sprayed, risk of exposure is considered low. Avoid contact with skin and clothing. Wash thoroughly after handling.  
Emits toxic fumes when heated.

HMIS (Ratings):

Health: 2\* Chronic effects

Flammability: 1

Physical hazard: 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them.

### Section 3 - Composition / Information on Ingredients

Substance/Mixture: Mixture

Product Name: G720 Simple Saver Air-Tight Sealant™

Ingredient name	%	CAS Number
Limestone	30 - 60	1317-65-3
Titanium Dioxide**	0.1 - 1.5	13463-67-7
Acetaldehyde	0.1 - 1	75-07-0
Vinyl Acetate	0.1 - 1	108-05-4
Crystalline Silica, respirable powder (<10 microns)	0.1 - 1	14808-60-7
Ethylene Glycol	0.5 - 1.5	107-21-1

SUB codes represent substances without registered CAS Numbers.

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4 - First Aid Measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

**Eye Contact:** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

**Inhalation:** Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

**Skin Contact:** Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.

**Ingestion:** If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important symptoms/effects, acute and delayed

Potential acute health effects

**Eye Contact:** Direct contact may cause slight to moderate irritation.

**Inhalation:** May cause slight irritation to respiratory passages – headache – dizziness.

**Skin Contact:** May cause allergic skin reactions and / or central nervous system depression.

**Ingestion:** No known significant effects or critical hazards. Low ingestion hazard.

Over-exposure signs/symptoms

**Eye Contact, Inhalation, Skin Contact, Ingestion:** No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments:** No specific treatment.

**Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

## Section 5 - Fire Fighting Measures (Flash, UEL, LEL for solvent only)

Suitable extinguishing media:

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media:

None known.

Specific hazards arising from the chemical:

In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products

Specific protective equipment and precautions for firefighters:

Decomposition products may include the following materials: carbon dioxide, carbon monoxide, metal oxide/oxides

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Fire Fighting equipment / Instructions:

Move containers from fire area if you can do so without risk.

General fire hazards:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6 - Accidental Release and Disposal Measures

Personal precautions, protective equipment and emergency procedures For non-emergency personnel:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Methods and materials for containment and cleaning up:

Small Spills: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Environmental precautions:

Prevent further leakage or spillage if safe to do so.

## Section 7 - Handling and Storage

Precaution for safe handling:

Protective measures: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Special precautions: If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Conditions for safe storage, including any incompatibilities:

Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Section 8 - Exposure Controls/Personal Protection**

<b>Ingredient name</b>	<b>Exposure limits</b>
Limestone	OSHA PEL (United States, 2/2013). TWA: 5 mg/m <sup>3</sup> 8 hours. Form: Respirable fraction TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust
Titanium Dioxide	OSHA PEL (United States, 2/2013). TWA: 15 mg/m <sup>3</sup> 8 hours. Form: Total dust ACGIH TLV (United States, 6/2013). TWA: 10 mg/m <sup>3</sup> 8 hours.
Acetaldehyde	ACGIH TLV (United States, 6/2013). C: 45 mg/m <sup>3</sup> C: 25 ppm OSHA PEL (United States, 2/2013). TWA: 360 mg/m <sup>3</sup> 8 hours. TWA: 200 ppm 8 hours.
Vinyl Acetate	ACGIH TLV (United States, 6/2013). STEL: 53 mg/m <sup>3</sup> 15 minutes. STEL: 15 ppm 15 minutes. TWA: 35 mg/m <sup>3</sup> 8 hours. TWA: 10 ppm 8 hours.
Crystalline Silica, respirable powder (<10 microns)	ACGIH TLV (United States, 6/2013). TWA: 0.025 mg/m <sup>3</sup> 8 hours. Form: Respirable OSHA PEL Z3 (United States, 2/2013). TWA: 10 MG/M3 / (%SiO <sub>2</sub> +2) 8 hours. Form: Respirable TWA: 250 MPPCF / (%SiO <sub>2</sub> +5) 8 hours. Form: Respirable
Ethylene Glycol	OSHA PEL (United States, 2/2013). TWA: 5 mg/m <sup>3</sup> 8 hours. ACGIH TLV (United States, 6/2013). C: 100 mg/m <sup>3</sup> Form: Aerosol

Key to abbreviations

- A = Acceptable Maximum Peak
- S = Potential skin absorption
- ACGIH = American Conference of Governmental Industrial Hygienists.
- C = Ceiling Limit
- SR = Respiratory sensitization
- SS = Skin sensitization
- F = Fume
- STEL = Short term Exposure limit values
- IPEL = Internal Permissible Exposure Limit
- TD = Total dust
- OSHA = Occupational Safety and Health Administration.
- TLV = Threshold Limit Value
- R = Respirable
- TWA = Time Weighted Average
- Z = OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

Environmental exposure controls:	Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels
Individual protection measures	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
Hygiene measures:	Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection:	Safety glasses with side shields.
Skin protection	
Hand protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection:	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

## Section 9 - Physical and Chemical Properties

Appearance	Paste
Physical state:	Off white, drys clear
Color:	Mild Acrylic
Odor:	Not available.
Odor threshold:	7.5-8.5
pH:	Not available.
Melting point:	>37.78°C (>100°F)
Boiling point:	Closed cup: >93.89°C (>201°F)
Flash point:	Yes.
Material supports combustion:	Not available.
Auto-ignition temperature:	Not available.
Flammability (solid, gas):	Not available.
Lower and upper explosive (flammable) limits:	Not available.
Evaporation rate:	0.33 (butyl acetate = 1)
Vapor pressure:	2.3 kPa (17.5 mm Hg) [room temperature]
Vapor density:	Not available.
Relative density:	1.68

Density (lbs/gal); 14.02  
 Solubility: Soluble in water.  
 Partition coefficient: n- octanol/water: Not available.  
 Viscosity: 15-40 g/s  
 % Solid. (w/w): 82.9

**Section 10 - Stability and Reactivity**

Reactivity: No specific test data related to reactivity available for this product or its ingredients.  
 Chemical stability: The product is stable.  
 Possibility of hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.  
 Conditions to avoid: When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.  
 Incompatible materials: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.  
 Hazardous decomposition products: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

**Section 11 - Toxicological Information**

Product/ingredient name	Result	Species	Dose	Exposure
Titanium Dioxide	LD50 Oral	Rat	>10 g/kg	-
	LC50 Inhalation Gas.	Rat	13300 ppm	4 hours
	LD50 Dermal	Rabbit	3540 mg/kg	-
Ethylene Glycol	LD50 Oral	Rat	661 mg/kg	-
	LD50 Dermal	Rabbit	9.53 g/kg	-
	LD50 Oral	Rat	4700 mg/kg	-
Vinyl Acetate	LC50 Inhalation Vapor	Mouse	1460 ppm	4 hours
	LC50 Inhalation Vapor	Rat	11400 mg/m <sup>3</sup>	4 hours
	LC50 Inhalation Vapor	Rat	3680 ppm	4 hours
	LD50 Dermal	Rabbit	2335 mg/kg	-
	LD50 Oral	Rat	2.5 g/kg	-

Conclusion/Summary:

Irritation/Corrosion, Sensation, Mutagenicity, Carcinogenicity There are no data available on the mixture itself.

Conclusion/Summary

Skin, Eyes, Respiratory:

Classification There are no data available on the mixture itself.

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide		2B	-
Acetaldehyde		1	Reasonably anticipated to be a human carcinogen.
Vinyl Acetate		2B	-
Crystalline Silica, respirable powder (<10 microns)		1	Known to be a human carcinogen.

Carcinogen Classification code: IARC: 1, 2A, 2B, 3, 4 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen OSHA: + Not listed/not regulated: -

Reproductive toxicity

Conclusion/Summary: There are no data available on the mixture itself. Teratogenicity

Conclusion/Summary: There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Name	Category
Acetaldehyde	Category 3
Vinyl	Category 3

Specific target organ toxicity (repeated exposure)

Name	Category
Vinyl Acetate	Category 1
Crystalline Silica, respirable powder (<10 microns)	Category 2
Ethylene Glycol	Category 3

Target organs: Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, eyes.

Aspiration hazard Not available.

Information on the likely routes of exposure

Potential acute health effects

Eye contact, Inhalation, Skin contact, Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact, Inhalation, Skin contact, Ingestion: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Conclusion/Summary: There are no data available on the mixture itself. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Short term exposure

Potential immediate effects, potential delayed effects: There are no data available on the mixture itself.

Long term exposure

Potential immediate effects, potential delayed effects: There are no data available on the mixture itself.

Potential chronic health effects

General:

No known significant effects or critical hazards.

Carcinogenicity:

May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity, Teratogenicity, Developmental effects

Fertility effects:

No known significant effects or critical hazards.

Numerical measures of toxicity Acute toxicity estimates

Route	ATE value
Oral	13704.4 mg/kg

## Section 12 - Ecological Information

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute EC50 100 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
Vinyl Acetate	Acute LC50 31080 to 36630 µg/l Fresh water	Fish - Poecilia reticulata	96 hours

Persistence and degradability: Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Acetaldehyde	-0.34	-	low
Vinyl Acetate	0.73	-	low
Ethylene Glycol	-1.36	-	low

Mobility in soil

Soil/water partition coefficient (KOC): Not available.

## Section 13 - Disposal Information

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

**Section 14 - Transport Information**

	DOT	IMDG	IATA
UN number	UN3082	Not regulated.	Not regulated.
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	-	-
Transport hazard class (es)	9	-	-
Packing group	III	-	-
Environmental hazards	No.	No.	No.
Marine pollutant	Not applicable.	Not applicable.	Not applicable.
substances			
Product RQ (lbs)	25000	Not applicable.	Not applicable.
RQ substances	(carbendazim (ISO))	Not applicable.	Not applicable.

**Additional information**

DOT: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

IMDG : None identified.

IATA: None identified.

Special precautions for user: Transport within user’s premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**Section 15 - Regulatory Information**

United States inventory (TSCA 8b): All components are listed or exempted.

Canada inventory (DSL): At least one component is not listed.

United States

U.S. Federal regulations: SARA 302/304

SARA 304 RQ 711338.7 lbs / 322947.8 kg [50855.5 gal / 192509.2 L]

Composition/information on ingredients

Name	EHS	SARA 302 TPQ		SARA 304 RQ	
		(lbs)	(gallons)	(lbs)	(gallons)
Vinyl Acetate	Yes.	1000	129	5000	644.8

SARA 311/312

Classification : Delayed (chronic) health hazard

Composition/information on ingredients

Name	Fire Hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Titanium Dioxide	No.	No.	No.	No.	Yes.
Acetaldehyde	Yes.	No.	No.	Yes.	Yes.
Vinyl Acetate	Yes.	No.	Yes.	Yes.	Yes.
Ethylene Glycol	No.	No.	No.	Yes.	Yes.
Crystalline Silica, respirable powder	No.	No.	No.	No.	Yes.

Pennsylvania (worker and community right to know act): The following components are cited in the Pennsylvania Hazardous Substances List, and are present at levels that require reporting.

Ethylene Glycol 107-21-1 <2%

SARA 313



Supplier notification:	Chemical name	CAS Number	Concentration
	Acetaldehyde	75-07-0	0.1-1
	Vinyl Acetate	108-05-4	0.1-1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

California Prop. 65

WARNING: This product contains trace amounts of components known to the state of California to cause cancer, birth defects, or other reproductive harm.

#### Section 16 - Other Information

Key to abbreviations :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

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