



SAFETY DATA SHEET

U.S. Department of Labor
Occupational Safety & Health Administration

Sili-Thane (PSI) 803 Caulk

SECTION 1 - IDENTIFICATION

MANUFACTURER: Authorized Distributor
Andek Corporation
ADDRESS: 850 Glen Avenue, Moorestown, NJ 08057
TELEPHONE: 1-856-786-6900
In an emergency, contact CHEMTREC 1-800- 424-9300;
Outside the United States call +1-703-527-3887
PRODUCT IDENTIFIER: Sili-Thane (PSI) 803 Caulk
RECOMMENDED USE: Sealants and Adhesives

SECTION 2 – HAZARD IDENTIFICATION

OSHA/HCS status: This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture: Not classified.

Signal word: No signal word.

Hazard statements: No known significant effects or critical hazards.

PICTOGRAMS: None Required.

PRECAUTIONARY STATEMENTS:

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

Hazards not otherwise classified: None known

SECTION 3 – COMPOSITION

Substance/mixture: Mixture

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>APPROX %</u>
Crystalline Silica non-respirable	14808-60-7	0.1 - 1

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

SECTION 4 – FIRST AID MEASURES

Skin:

- Flush contaminated skin with plenty of water.
- Remove contaminated clothing and shoes.
- Get medical attention if symptoms occur.

Eyes:

- Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids.
- Check for and remove any contact lenses.
- Get medical attention if irritation occurs.

Inhalation:

- Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Get medical attention if symptoms occur.

Ingestion:

- Wash out mouth with water.
- Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- If material has been swallowed and the exposed person is conscious, give small quantities of water to drink.
- **Do Not** induce vomiting unless directed to do so by medical personnel.
- Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed Potential acute health effects:

Skin: No known significant effects or critical hazards.

Eyes: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms:

Skin: No specific data.

Eyes: No specific data.

Inhalation: No specific data.

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.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Special fire fighting procedures:

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

Unusual fire & explosion hazards: No specific fire or explosion hazard.

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

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions:

- No action shall be taken involving any personal risk or without suitable training.
- **Do Not** touch or walk through spilled material.
- Put on appropriate personal protective equipment.

Emergency procedures:

- Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials used for containment:

- Move containers from spill area.
- Vacuum or sweep up material and place in a designated, labeled waste container.
- Dispose of via a licensed waste disposal contractor.
- Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7 – HANDLING & STORAGE

Precautions for safe handling:

- Put on appropriate personal protective equipment (see Section 8)
- Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.
- 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.

Recommendations on the conditions for safe storage:

- **Do Not** store above the following temperature: 27°C (80.6°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

Exposure limits:

CHEMICAL NAME	PEL Z3	TLV -ACGIH
Crystalline Silica non-respirable	250/(%SiO ₂ +5) TWA: 250 MPPCF / (%SiO ₂ +5) 8 h Form: Respirable 10/(SiO ₂ +2) TWA: 10 MG/M ³ / (%SiO ₂ +2) 8 h Form: Respirable 30/(%SiO ₂ +2) TWA: 30 MG/M ³ / (%SiO ₂ +2) 8 h Form: Total dust.	TWA: 0.025 mg/m ³ 8 hours. Form: Respirable fraction

Engineering controls:

- Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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.
- Wash contaminated clothing before reusing.
- Ensure that eyewash stations and safety showers are close to the workstation location.

Eye protection:

- If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection; safety glasses with side- shields.

Skin protections:

- 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.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid

Color: Gray

Odor: Mild

Odor threshold: Not available

pH: Not applicable

Melting point/freezing point: Not available

Initial boiling point and boiling range: Not available

Flash point: Closed cup: Not applicable (Product does not sustain combustion)

Evaporation rate: Not applicable

Flammability (solid, gas): Not available

Upper/lower flammability or explosive limits: Not available

Vapor pressure: Not available

Vapor density: Not available

Relative density: 1.7

Solubility: Insoluble in the following materials; cold water and hot water

Partition coefficient: n-octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: >90°C (>194°F)

Viscosity: Not available

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

Chemical stability: Stable

Incompatibility (materials to avoid): No specific data

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Conditions to avoid: No specific data.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity: No specific data.

Irritation/Corrosion: No specific data.

Sensitization: No specific data.

Mutagenicity: No specific data.

Carcinogenicity: No specific data.

Conclusion/Summary:

- IARC classifies TiO₂ as a 2B carcinogen based in large part on several studies of the effects of the inhalation of TiO₂ on animals in which the TiO₂ particles were of various sizes.
- Particles defined as “ultrafine” have been shown to cause cancer in animals exposed to very high concentrations.
- A number of authorities have reviewed those studies and others involving exposure to ultrafine particles and have concluded that the effects result from overloading the respiratory system of the animals: The effects observed, according to the scientists, are not due to TiO₂ but are general responses to high levels of dust in the lungs. In addition, a carcinogenic effect of TiO₂ dust in the workers was not observed in several epidemiology studies on more than 20,000 TiO₂ industry workers in Europe and the USA, nor were other chronic diseases, including other respiratory diseases, associated with exposure to TiO₂ dust.
- Accordingly, we have concluded that our products should not be classified on the basis of the presence of TiO₂ in the products.
- This product contains crystalline silica in a polymer matrix. Sanding the cured product may release particles containing crystalline silica with the polymer and other components of the matrix into the air. OSHA has concluded that respirable crystalline silica (RCS) causes silicosis, lung cancer, effects on the kidneys (renal disease) and the immune system. Appropriate evaluations of the use of the product should be performed to determine if exposure to RCS occurs due to handling and use. If such exposures occur, appropriate precautions must be taken to prevent exposure in excess of the OSHA Permissible Exposure Limit (PEL)

Classification

CHEMICAL NAME	OSHA	IARC	NTP
Crystalline Silica non-respirable	-	1	Known to be a human carcinogen

Reproductive toxicity: No specific data.

Teratogenicity: No specific data.

Specific target organ toxicity (single exposure): No specific data.

Specific target organ toxicity (repeated exposure): No specific data.

Aspiration hazard: No specific data.

Potential chronic health effects: No specific data.

Health Effects	Eye contact	Inhalation	Skin contact	Ingestion
Acute	No known significant effects or critical hazards	No known significant effects or critical hazards	No known significant effects or critical hazards	No known significant effects or critical hazards
Symptoms related to physical, chemical and toxicological characteristics	No specific data	No specific data	No specific data	No specific data
Likely routes of exposures	Not available	Not available	Not available	Not available
Short and long term exposure	Not available	Not available	Not available	Not available

General: No known significant effects or critical hazards

Carcinogenicity: No known significant effects or critical hazards

Mutagenicity: No known significant effects or critical hazards

Teratogenicity: No known significant effects or critical hazards

Developmental effects: No known significant effects or critical hazards

Fertility effects: No known significant effects or critical hazards

Numerical measures of toxicity:

Acute toxicity estimates

Route	ATE value
Oral	41979 mg/kg

SECTION 12 – ECOLOGICAL INFORMATION

Biodegradation: No specific data.

Bioaccumulation potential: No specific data.

Mobility in soil (soil/water partition coefficient (Koc)): N/A

Other adverse effects: No known significant effects or critical hazards.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal of waste:

- 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.

RCRA classification: Not applicable

SECTION 14 – TRANSPORT INFORMATION

UN #	Not regulated
UN PROPER SHIPPING NAME:	N/A
HAZARD CLASS:	N/A
PACKING GROUP:	N/A
ENVIRONMENTAL HAZARDS:	No
GUIDANCE ON TRANSPORT IN BULK:	N/A

Transport labels required: This product is not regulated by the D.O.T.

SECTION 15 – REGULATORY INFORMATION

US Federal Regulation:

- **TSCA 4(a) final test rules:** Tetramethyl orthosilicate
- **TSCA 8(a) CDR Exempt/Partial exemption:** Not determined
- **United States inventory (TSCA 8b):** All components are listed or exempted.
- **Clean Water Act (CWA) 311:** Ethylenediamine

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Not listed

Clean Air Act Section 602 Class I Substances: Not listed

Clean Air Act Section 602 Class II Substances: Not listed

SARA 302/304 Composition/information on ingredients:

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Ethylenediamine	0 - 0.1	Yes.	10000	1334.1	5000	667

SARA 304 RQ: 77639751.6 lbs / 35248447.2 kg

SARA 311/312 Classification: Not applicable.

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Crystalline Silica non-respirable	0.1 - 1	No.	No.	No.	No.	Yes.

US State Right to Know Regulations:

State	Calcium Carbonate	Limestone	Quartz (SiO ₂)	Silica
Massachusetts	Listed	Not listed	Not listed	Not listed
New York	Not listed	Not listed	Not listed	Not listed
New Jersey	Listed	Listed	Listed	Listed
Pennsylvania	Not listed	Listed	Listed	Not listed
Minnesota	Not listed	Not listed	Not listed	Not listed

CA Prop 65:

- **WARNING:** This product contains a chemical known to the State of California to cause cancer.
- **WARNING:** This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

CHEMICAL NAME	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
Titanium Dioxide	Yes.	No.	No.	No.
Crystalline Silica non-respirable	Yes.	No.	No.	No.
Carbon black respirable	Yes.	No.	No.	No.
Methanol	No.	Yes.	No.	23000 µg/day (ingestion) 47000 µg/day (inhalation)

Canada: Not determined

International regulations:

International lists:

- **Australia inventory (AICS):** At least one component is not listed.
- **China inventory (IECSC):** At least one component is not listed.
- **Japan inventory:** Not determined.
- **Korea inventory:** At least one component is not listed.
- **Malaysia Inventory (EHS Register):** Not determined.
- **New Zealand Inventory of Chemicals (NZIoC):** At least one component is not listed.
- **Philippines inventory (PICCS):** At least one component is not listed.
- **Taiwan inventory (CSNN):** Not determined

Substances of very high concern: None of the components are listed

SECTION 16 – OTHER INFORMATION (HMIS RATING)

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	B

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