

## Safety Data Sheet

**Material Name: Multi-Purpose Silicone Sealant (Clear)****Product # 309982**

---

### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

---

**Material Name**

Multi-Purpose Silicone Sealant (Clear)

**Product Use**

Silicone sealant

**Restrictions on Use**

For industrial use only.

**Manufacturer Information**

Carlisle HVAC Products  
900 Hensley Lane  
Wylie, TX 75098  
www.carlislehvac.com

**Medical Emergency:****CHEMTREC (USA): (800) 424-9300**

MSDS Assistance – 972-442-6545

Technical Assistance – 888-229-2199

Customer Service – 888-229-0199

---

### Section 2 - HAZARDS IDENTIFICATION

---

**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

Reproductive Toxicity - Category 2

**GHS Label Elements****Symbol(s)****Signal Word**

Warning

**Hazard Statement(s)**

Suspected of damaging fertility

**Precautionary Statement(s)****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.

## Safety Data Sheet

**Material Name: Multi-Purpose Silicone Sealant (Clear)**

**Product # 309982**

### 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

Dispose of contents/container in accordance with local/regional/national/international regulations

### Other Hazards

No additional information available.

### Substance formed under the conditions of use

This product reacts with water, moisture or humid air to evolve following compounds: Acetic acid  
The following material is embedded in the product and not available as respirable dusts. When used as intended or as supplied, the product will not pose hazards. Titanium oxide.

---

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

---

CAS	Component Name	Percent
17689-77-9	Ethyltriacetoxysilane	1 – 5
4253-34-3	Methylacetoxysilane	1 – 5
13463-67-7	Titanium oxide	<1
64742-46-7	Distillates (petroleum), hydrotreated middle	<20 – 30
556-67-2	Octamethylcyclotetrasiloxane (impurity)	<1

---

## Section 4 - FIRST AID MEASURES

---

### Description of Necessary Measures

If exposed or concerned: Get medical advice / attention. Ensure that medical personnel are aware materials involved and take precautions to protect themselves. Wash contaminated clothing before reuse.

### Inhalation

Remove to fresh air. Call a physician if symptoms develop or persist.

## Safety Data Sheet

**Material Name: Multi-Purpose Silicone Sealant (Clear)**

**Product # 309982**

### **Skin**

Wash off with soap and plenty of water. For minor skin contact, avoid spreading material on unaffected skin. If skin irritation or rash occurs: get medical attention / advice. Take off contaminated clothing and wash before use.

### **Eyes**

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation developed or persists.

### **Ingestion**

Wash out mouth. Get medical attention immediately.

### **Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

### **Most Important Symptoms/Effects**

#### **Acute**

Direct contact with eyes may cause temporary irritation.

#### **Delayed**

May damage fertility or the unborn child.

---

## Section 5 - FIRE FIGHTING MEASURES

---

### **Extinguishing Media**

#### **Suitable Extinguishing Media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>)

#### **Unsuitable Extinguishing Media**

None known.

### **Special Hazards Arising from the Chemical**

By heating and fire, harmful vapors / gases may be formed.

### **Advice for firefighters**

Firefighters must use standard protective equipment including flame retardant coat, helmet, gloves, rubber boots and self-contained breathing apparatus.

### **Fire Fighting Measures**

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

---

## Section 6 - ACCIDENTAL RELEASE MEASURES

---

### **Personal Precautions, Protective Equipment and Emergency Procedures**

Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch or walk through spilled material. Ensure adequate ventilation. Wear appropriate personal protective equipment.

### **Methods and Materials for Containment and Cleaning Up**

Eliminate sources of ignition.

**Large Spills:** Dike the spilled material, where this is possible.

Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up product and place into a container for later disposal.

## Safety Data Sheet

**Material Name: Multi-Purpose Silicone Sealant (Clear)**

**Product # 309982**

**Small Spills:** Wipe up with absorbent material (e.g. cloth). Clean surface thoroughly to remove residual contamination. Never return spills in original containers for reuse.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so.

### Section 7 - HANDLING AND STORAGE

**Precautions for Safe Handling**

Provide adequate ventilation. Use care in handling/storage. Obtain special instructions before use. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Pregnant and breastfeeding women must not handle this product. Do not breathe mist or vapor. Avoid contact with eyes. Avoid contact with skin. Avoid long term exposure.

**Conditions for Safe Storage, Including any Incompatibilities**

Stored locked up. Keep container tightly closed. Keep out of reach of children. Store in a cool dry place out of direct sunlight. Keep in original container.

### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Component Exposure Limits**

<b>Titanium oxide</b>	13463-67-7	
ACGIH:	10 mg/m <sup>3</sup> TWA	
OSHA (US):	15 mg/m <sup>3</sup> PEL	
<b>Distillates (petroleum) hydrotreated middle</b>	64742-46-7	
NIOSH:	5 mg/m <sup>3</sup> TWA (Mist)	10 mg/m <sup>3</sup> ST (Mist)
OSHA (US):	5 mg/m <sup>3</sup> TWA (Mist)	
<b>Acetic acid</b>	64-19-7	
ACGIH:	15 ppm STEL	10 ppm TWA
NIOSH:	37 mg/m <sup>3</sup> 15 ppm STEL	25 mg/m <sup>3</sup> 10 ppm TWA
OSHA (US):	25 mg/m <sup>3</sup> 10 ppm PEL	

**Biological limit value**

No biological exposure limits for the ingredient(s).

## Safety Data Sheet

**Material Name: Multi-Purpose Silicone Sealant (Clear)**

**Product # 309982**

**Engineering Controls**

Provide adequate general and local exhaust. Provide eyewash station. Pay attention to ventilation such as local exhaust, mechanical and or / door open for at least 24 hours after applications.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/face protection**

Tightly sealed safety glasses according to EN 166.

**Skin Protection**

Wear protective gloves. Wear suitable protective clothing.

**Respiratory Protection**

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

**Thermal Hazards**

Wear appropriate thermal protective clothing, when necessary.

**General Hygiene Considerations**

Avoid contact with eyes. Avoid contact with skin. When using, do not eat, drink or smoke. Keep away from food or drink. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the work place. Handle in accordance with good industrial hygiene and safety practice.

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear paste	<b>Physical State</b>	Paste
<b>Odor</b>	Acetic acid	<b>Color</b>	Clear
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	Not available
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	<1 (Butyl Acetate=1)
<b>Boiling Point Range</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition</b>	Not available	<b>Flash Point</b>	141.8° F (> 96° C) Closed cup
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	Negligible (25° C)
<b>Vapor Density (air=1)</b>	> 1 (air=1)	<b>Specific Gravity (water=1)</b>	Not available
<b>Water Solubility</b>	Not soluble	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Solubility (Other)</b>	Not soluble

## Safety Data Sheet

Material Name: Multi-Purpose Silicone Sealant (Clear)

Product # 309982

Density	.97 (25° C) (relative)	VOC	29 grams per liter
---------	---------------------------	-----	--------------------

### Other Information

No additional information available.

---

## Section 10 - STABILITY AND REACTIVITY

---

### Reactivity

No hazardous reaction known under normal conditions of use, storage and transport.

### Chemical Stability

Stable under normal conditions.

### Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

### Conditions to Avoid

None known.

### Incompatible Materials

Strong oxidizing agents. Water and moisture.

### Hazardous decomposition products

This product reacts with water, moisture, or humid air to evolve following compounds. Acetic acid. Thermal breakdown of this product during fire or very high heat condition may evolve the following hazardous decomposition product: Carbon dioxides and traces of incompletely burned carbon compounds. Silicon dioxide. Formaldehyde.

---

## Section 11 - TOXICOLOGICAL INFORMATION

---

### Information on Likely Routes of Exposure

#### Inhalation

Prolonged inhalation may be harmful.

#### Skin Contact

No adverse effects due to skin contact are expected.

#### Eye Contact

Direct contact with eyes may cause temporary irritation.

#### Ingestion

Expected to be a low ingestion hazard.

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

#### Acetic acid

Oral LD50 Mouse 4960 mg/kg

Oral LD50 Rabbit 1200 mg/kg

## Safety Data Sheet

**Material Name: Multi-Purpose Silicone Sealant (Clear)**

**Product # 309982**

Oral LD50 Rat 3.31 g/kg  
Dermal LD50 Rabbit 1060 mg/kg  
Inhalation LC50 Guinea Pig 5000 ppm, 1 hour  
Inhalation LC50 Mouse 5620 ppm, 1 hour  
Inhalation LC50 Rat 11.4 mg/l, 4 hours

Distillates (petroleum) hydrotreated middle  
Oral LD50 Rate >5,000 mg/kg  
Inhalation LC50 Rat 1.78 mg/l, 4 hours  
Dermal LD50 Rat >2,000 mg/kg

### **Skin corrosion / irritation**

Causes severe skin burns and eye damage. (Acetic acid)  
Skin-Rabbit: 500 mg/24hr.MILD (Octamethylcyclotetrasiloxane)

### **Serious eye damage / eye irritation**

Causes severe skin burns and eye damage. (Acetic acid)  
Skin-Rabbit: 500 mg/24hr.MILD (Octamethylcyclotetrasiloxane)

### **Respiratory Sensitization**

No data available.

### **Dermal Sensitization**

No data available.

### **Component Carcinogenicity**

<b>Titanium oxide</b>	13463-67-7
OSHA:	2B Possibly carcinogenic to humans

### **Germ Cell Mutagenicity**

No data available.

### **Reproductive Toxicity**

Octamethylcyclotetrasiloxane administered to rats by whole body inhalation at concentrations of 500 and 700 ppm for 70 days prior to mating, through mating, gestation and lactation resulted in decreases in live litter size. Additionally, increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia) were observed at these concentrations. Statistically significant alterations in these parameters were not observed in the lower concentrations evaluated (300 and 70 ppm). In a previous range-finding study, rats exposed to vapor concentrations of 700 ppm had decreases in the number of implantation sites and live litter size. The significance of these findings to humans is not known. (Octamethylcyclotetrasiloxane).

### **Specific Target Organ Toxicity - Single Exposure**

No target organs identified.

### **Specific Target Organ Toxicity - Repeated Exposure**

Repeated inhalation or oral exposure of mice and rats to Octamethylcyclotetrasiloxane produced an increase in liver size. No gross histopathological or significant clinical chemistry effects were observed. An increase in liver metabolizing enzymes, as well as a transient increase in the number of normal cells (hyperplasia) followed by an increase in cell size (hypertrophy) were determined to be the underlying causes of the liver enlargement. The biochemical mechanisms producing these effects are highly sensitive in rodents, while similar mechanisms in humans are insensitive. A two year combined chronic and carcinogenicity assay was conducted on Octamethylcyclotetrasiloxane. Rats were exposed by whole-body vapor inhalation 6hrs /day, 5 days a week for up to 104 weeks to 0, 10, 30, 150 or

## Safety Data Sheet

**Material Name: Multi-Purpose Silicone Sealant (Clear)**

**Product # 309982**

700 ppm of Octamethylcyclotetrasiloxane. The increase in incidence of (uterine) endometrial cell hyperplasia and uterine adenomas (benign tumors) were observed in female rats at 700 ppm. Since these effects only occurred at 700 ppm, a level that greatly exceeds typical workplace or consumer exposure, it is unlikely that industrial, commercial or consumer uses of products containing Octamethylcyclotetrasiloxane would result in a significant risk to humans. (Octamethylcyclotetrasiloxane).

**Aspiration hazard**

The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard. Distillates (petroleum), hydrotreated middle.

**Medical Conditions Aggravated by Exposure**

Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**Additional Data**

This product reacts with water, moisture or humid air to evolve following compounds: Acetic acid.

### Section 12 - ECOLOGICAL INFORMATION

**Ecotoxicity**

Octamethylcyclotetrasiloxane: May cause long lasting harmful effects to aquatic life.

**Component Analysis - Aquatic Toxicity**

<b>Titanium oxide</b>	13463-67-7
Fish:	LC50 96 h Fundulus Heteroclitus >1000 mg/l
Invertebrate	EC50 48 h Daphnia magna >1000 mg/l
<b>Acetic acid</b>	64-19-7
Fish:	Lc50 96 h Leponis Macrochirus 75 mg/l
Invertebrate	EC50 48 h Daphnia magna 65 mg/l

**Persistence and Degradability**

No information available for the product.

**Bioaccumulative Potential**

Bio concentration Factor (BCF) / (Flathead minnow): 12400 Octamethylcyclotetrasiloxane.

**Mobility**

No information available for the product.

**Other Toxicity**

No additional information available.



## Safety Data Sheet

**Material Name: Multi-Purpose Silicone Sealant (Clear)**

**Product # 309982**

### Section 13 - DISPOSAL CONSIDERATIONS

**Disposal Methods**

Can be land-filled for cured product or burned in a chemical incinerator equipped with an afterburner and scrubber. Do not dispose the emptied container unlawfully. Observe all federal, state & local laws.

### Section 14 - TRANSPORT INFORMATION

**US DOT Information:**

UN/NA #: Not regulated

**IATA Information:**

UN#: Not regulated

**IMDG Information:**

UN#: Not regulated

### Section 15 - REGULATORY INFORMATION

**U.S. Federal Regulations**

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Ammonia	7664-41-7
SARA 302:	500 lb TPQ
SARA 313:	1 % de minimis concentration (includes anhydrous Ammonia and aqueous Ammonia from water dissociable Ammonium salts and other sources, 10% of total aqueous Ammonia is reportable under this listing)
CERCLA:	100 lb final RQ; 45.4 kg final RQ
OSHA (safety):	10000 lb TQ anhydrous); 15000 lb TQ solution, >44% Ammonia by weight)
SARA 304:	100 lb EPCRA RQ
Ethylene glycol	107-21-1
SARA 313:	1 % de minimis concentration
CERCLA:	5000 lb final RQ; 2270 kg final RQ
Methanol	67-56-1

## Safety Data Sheet

**Material Name: Multi-Purpose Silicone Sealant (Clear)**

**Product # 309982**

SARA 313:	1 % de minimis concentration
CERCLA:	5000 lb final RQ; 2270 kg final RQ
Carbamic acid mixture	Trade Secret
CERCLA:	10 lb final RQ; 4.54 kg final RQ

**SARA Section 311/312 (40 CFR 370 Subparts B and C)**

**Acute Health: Yes Chronic Health: Yes Fire: No Pressure: No Reactivity: No**

**U.S. State Regulations**

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Titanium oxide	13463-67-7	No	Yes	No	Yes	Yes

**The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):**

WARNING! This product contains a chemical known to the state of California to cause cancer

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects

Titanium oxide	13463-67-7
Carc:	carcinogen , 9/2/2011 (airborne, unbound particles of respirable size)

**Component Analysis - Inventory**

Titanium Oxide (1343-67-7)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR - TCCA	CN	NZ	MX
Yes	DSL	Yes	Yes	Yes	Yes	No	Yes	No	Yes	Yes	No

**Section 16 - OTHER INFORMATION**

**HMIS Rating**

Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**NFPA Ratings**

Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**Summary of Changes**

New SDS: March 24, 2016

**Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical

## Safety Data Sheet

**Material Name: Multi-Purpose Silicone Sealant (Clear)**

**Product # 309982**

Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

### Other Information

#### Disclaimer:

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, CCWI Company must rely upon the hazard evaluation of such components submitted by that product's manufacturer or importer. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.