

# Material Safety Data Sheet

## 100% RTV Silicone – Standard Acetoxy

**ADHESIVE®**



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### 1. Product Identification

**Product Identification:** 100% RTV Silicone: Black  
**Chemical Name:** Silicone Sealant  
**Chemical Family:** Silicone Sealant  
**Formula:** Mixture

### 2. Product Components

<b>Component</b>	<b>CAS#</b>	<b>WT%</b>	<b>Exposure Limits</b>
Methyltriacetoxysilane	004253343	2	See acetic acid comments.
Silica Amorphous	007631869	10	Observe particulates limits. <b>OSHA PEL:</b> TWA 15mg/m total dust, 5mg/m3 respirable fraction. <b>ACGIH TLV:</b> TWA 100mg/m3 total dust.
Ethyltriacetoxysilane	017689779	2	

### 3. Physical and Chemical Properties

**Physical form:** Paste  
**Color:** Black  
**Odor:** Acetic acid odor  
**Specific Gravity @ 25c:** 1.04  
**Viscosity:** Not applicable  
**Freezing/Melting Point:** Not Determined  
**Boiling Point:** Not applicable  
**Vapor Pressure @ 25c:** Not applicable  
**Vapor Density:** Not applicable  
**Solubility in Water:** None  
**PH:** Not applicable  
**Volatile Content:** Not applicable

*Note: The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.*

### 4. Fire and Explosion Data

**Flash Point (Closed Cup)** Not determined  
**Autoignition** Not determined  
**Flammability Limits in Air** Not determined  
**Extinguishing Media** Carbon Dioxide(CO2). Water. Water for(or spray)Dry Chemical. Foam.  
**Unsuitable Extinguishing Media:** None.  
**Fire Fighting Procedures:** Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. If large amount is involved, evacuate area.  
**Unusual Fire Hazards** None.

**Thermal breakdown of this product during fire or very high heat conditions may evolve the following**

**hazardous decomposition products:** Sulfur Oxides, Carbon oxides and traces of incompletely burned carbon compounds, Silicone dioxide, Iodine compounds and Formaldehyde.

**If container is an aerosol product:** Treat as compressed gas extinguishing media-CO2.Dry Chemical,Water Fog.

### 5. Reactivity Data

**Stability:** Stable  
**Incompatibility (material to avoid):** Oxidizing material can cause a reaction. Air or moisture causes curing and acetic acid vapors to form.  
**Conditions to avoid:** Exposure to air or moisture until ready to use.  
**Hazardous decomposition products:** Silicone dioxide. Carbon dioxide. And traces of incompletely burned carbon prod.  
**Hazardous Polymerization:** Will not occur  
**Conditions to Avoid:** Not applicable  
**Comments:** None.

## Reactivity Data (cont.)

### Health Hazard Data

#### Acute signs/effects of overexposure:

<b>Ingestion:</b>	May cause gastric distress.
<b>Skin contact:</b>	Uncured product contact will irritate lips, gums, tongue and skin.
<b>Inhalation:</b>	Causes mild respiratory irritation.
<b>Eye Contact:</b>	Uncured product contact irritates eyes.
<b>Medical conditions aggravated:</b>	None known.
<b>Emergency first aid procedures:</b>	
<b>Ingestion:</b>	No first aid should be needed.
<b>Skin:</b>	To clean from skin, remove completely with a dry cloth or paper towel before washing with a detergent and water. Get medical attention if irritation develops.
<b>Inhalation:</b>	Remove to fresh air.
<b>Eyes:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.

#### Note to physician:

None known.

**Toxicity:\*\***Product Information  
Acute Oral LD50>10,000 MG/KG  
Acute dermal LD50 None found MG/KG  
Acute Inhalation LC50 None found.

**Other:** None known

**Ames Test:** Unknown

**Principle routes of exposure:** Eyes, Inhalation

**Products/Ingredients:** None known

## 6. Special Protective Equipment

<b>Respiratory Protection:</b>	Use in a well ventilated area.
<b>Protective Gloves:</b>	Cloth gloves
<b>Eye and face Protection:</b>	Safety glasses.
<b>Other Protective Equipment:</b>	None known.
<b>Ventilation:</b>	Use only in well ventilated area.

## 7. Spill, Leak, and Disposal Procedures

**Action to be taken if material is released or spilled:** Wipe or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.

#### Disposal Method:

Disposal should be made in accordance with Federal, State, and Local Regulations.

## 8. Special Precautions

- Precautions to be taken in handling and storage.
- Avoid contact with skin and eyes. CAUTION! Wearers of contact lenses must not handle lenses until all sealant has been cleaned from fingertips: residual silicone will transfer to lenses and cause severe eye irritation.
- Product releases acetic acid during application and curing.
- Use mechanical ventilation to stay below TLV of 10PPM acetic acid.
- Uncured product contact irritates eyes.
- Uncured product contact irritates skin.
- Use in a well ventilated area to prevent irritation by vapors.
- Engineering Controls: Eyewash stations.

## 9. Shipping and Regulatory Classification Data

<b>DOT Shipping Name:</b>	None
<b>DOT Hazard Class:</b>	None
<b>DOT Label(s):</b>	None
<b>EPA Hazard Class:</b>	Eye irritant
<b>CPSC Classification:</b>	Eye irritant.
<b>Transportation Class:</b>	IMO None.
<b>RID(OCTI):</b>	None
<b>ADR (ECE):</b>	None
<b>RAR (IATA):</b>	None
<b>NEPA/HMIS Classification:</b>	Flammability 1, Reactivity 0, health 1

#### Additional information:

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

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