

# MATERIAL SAFETY DATA SHEET

## 100% RTV Silicone - Standard Acetoxy

Manufactured by:  
Adaseal International Inc  
P O BOX 377

NEW JOHNSONVILLE, TN 37134  
EMERGENCY PHONE: 931-296-2291

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### 1. PRODUCT IDENTIFICATION

Product Identification: 100% RTV Silicone : clear, white, black ,blue, bronze, aluminum, red, trans white, almond, grey, biscuit, light grey, snowy white  
Chemical Name: Silicone Sealant  
Chemical Family: Silicone Sealant  
Formula: Mixture

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### 2. PRODUCT COMPONENTS

COMPONENT	CAS#	WT%	EXPOSURE LIMITS
Methyltriacetoxysilane	004253343	2	See acetic acid comments.
Silica, Amorphous	007631869	10	Observe particulates limits. OSHA PEL: TWA 15 mg/m3 total dust, 5 mg/m3 respirable fraction. ACGIH TLV: TWA 100 mg/m3 total dust.
Ethyltriacetoxysilane	017689779	2	

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### 3. PHYSICAL AND CHEMICAL PROPERTIES

Physical form: Paste  
Color: depends on specific color ordered  
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.

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### 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 fog(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.  
Silicon dioxide. Iodine compounds. Formaldehyde.  
If container is an aerosol product: Treat as compressed gas: extinguishing media- CO2, Dry Chemical, Water Fog.

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### 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.

## 6. HEALTH HAZARD DATA

### Acute signs/effects of overexposure:

Ingestion: May cause gastric distress.

Skin contact: Uncured product contact will irritate lips, gums, tongue and skin.

Inhalation: Causes mild respiratory irritation.

Eye contact: Uncured product contact irritates eyes.

Medical conditions aggravated: None known.

Other: Acetic acid released during curing.

Chronic effects of overexposure: None known.

### Emergency first aid procedures:

Ingestion: No first aid should be needed.

Skin: To clean from skin, remove completely with a dry cloth or paper towel before washing with detergent and water. Get medical attention if irritation develops.

Inhalation: Remove to fresh air.

Eyes: 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

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## 7. SPECIAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use in a well ventilated area.

Protective Gloves: Cloth gloves.

Eye and Face Protection: Safety glasses.

Other Protective Equipment: None known.

Ventilation: Use only in well ventilated area.

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## 8. 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.

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## 9. 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.

Products releases acetic acid during application and curing.

Use mechanical ventilation to stay below TLV of 10 PPM acetic acid.

Uncured product contact irritates eyes.

Uncured product contact irritates skin.

Use in a well ventilate area to prevent irritation by vapors.

Engineering Controls: Eyewash stations.

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## 10. SHIPPING AND REGULATORY CLASSIFICATION DATA

DOT Shipping Name: None.

DOT Hazard Class: None

DOT Label(s): None

EPA Hazard Class: Eye irritant.

CPSC Classification: Eye irritant.

Transportation Class: IMO None.

RID(OCTI) None

ADR (ECE) None

RAR (IATA) None

NEPA/HMIS Classification: Flammability 1, Reactivity 0, Health 1

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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.