

## MATERIAL SAFETY DATA SHEET

Shipping Address: A.W. Perkins Company  
36 Curtis Ave.  
Rutland, VT 05701

Mailing Address: PO Box 637  
Rutland, VT 05702-0637

Phone: 802-773-3600  
Fax: 802-773-6555  
Email: sales@awperkins.com

Product Name: A.W. Perkins Company, 36 Curtis Av., PO Box 637, Rutland, VT 05702  
Item # 65 and #66 Silicone Sealant

Date Revised: September 21, 2007

Supersedes:

### I. Chemical Product and Company Identification

Product Name: A.W. Perkins Item # 65 and #66 Silicone Sealant

Chemical Name: Elastomeric Silicone Sealant

Molecular Formula: Mixture

Proper DOT Shipping: Not Subject to DOT (49 CFR172.101)

DOT Hazard Classification: None

### II. Hazardous Ingredients

Name: Methyltriacetoxysilane

CAS Number: 4253-34-3

Percent by Weight: 1.0 – 5.0

See acetic acid comments.

Name: Ethyltriacetoxysilane

CAS Number: 17689-77-9

Percent by Weight: 1.0 – 5.0

See acetic acid comments.

Acetic acid is formed upon contact with humid air or water. Adequate ventilation is needed to control exposures of the vapor to within the guidelines of OSHA PEL: TWA 10ppm and ACGIH TLV: TWA 10ppm, STEL 15 ppm.

The above components are hazardous per 29 CFR 1910.1200.

### III. Hazards Identification

HMIS Hazard Rating: Health 2      Flammability 1      Reactivity 0

Note: The HMIS rating involves data interpretation that varies from company to company. This information is intended for general identification to specific hazards. To safely handle this material, all of the information in this MSDS should be considered.

#### **IV. First Aid Measures**

##### **ROUTES OF ENTRY:**

Primary Routes of Entry: Skin and Inhalation  
Inhalation: Slightly irritating.  
Skin: Moderately irritating  
Eyes: Direct contact may cause moderate irritation  
Ingestion: Not expected to be a hazard in normal use.

##### **SIGNS AND SYMPTOMS OF EXPOSURE:**

Medical Conditions Generally Aggravated by Exposure: No evidence of adverse effects from available information.

##### **EMERGENCY AND FIRST AID PROCEDURES:**

Primary Routes of Entry: Skin and Inhalation  
Inhalation: Remove subject to fresh air. No emergency care anticipated.  
Skin: Wash thoroughly with soap and water. Get medical attention if irritation develops.  
Eyes: Immediately flush with water for 15 minutes.  
Ingestion: No first aid should be needed.  
Comments: Treat according to specifics of exposure.  
Carcinogen: No      NTP: No      IARC Monographs: No  
OSHA Regulated: No

#### **V. Fire Fighting Measures**

Flash Point: N/A  
Autoignition Temperature: not determined  
Flammability Limits in Air: not determined  
Extinguishing Media: Foam, Dry Chemical, and Water Spray  
Special Fire Fighting Procedures: Breathing apparatus required when fighting fires involving chemicals. Use water spray to cool fire exposed containers. Determine if evacuation is needed based on your emergency plan.  
Unusual Fire and Explosion Hazards: None

Hazardous Decomposition Products: Carbon Oxides, Formaldehyde, silicon dioxide, and traces of incompletely burned carbon compounds may be evolved after exposure to very high heat.

Containment/Clean Up: Observe all PPE requirements set forth in section 8. Scrape up and contain material for disposal. Observe all local, state and federal laws and regulations regarding the disposal of this material. You will need to determine which federal, state and local laws are applicable for disposal.

## **VI. Accidental Release Measures**

Restrict area to only those personnel needed. Major spills should be collected for disposal.

## **VII. Handling and Storage**

Use with adequate ventilation as product evolves acetic acid upon contact with humid air or water. Provide ventilation to control exposures of the vapor to within the guidelines of OSHA PEL: TWA 10ppm and ACGIH TLV: TWA 10ppm, STEL 15 ppm or use respiratory protection. Avoid contact with eyes and skin.

Storage: Store material in a cool dry place. Avoid contact with water, humid air, and oxidizing materials.

## **VIII. Exposure Controls and Personal Protection**

Component Exposure Limits:

Acetic acid is formed upon contact with humid air or water. Adequate ventilation is needed to control exposures of the vapor to within the guidelines of OSHA PEL: TWA 10ppm and ACGIH TLV: TWA 10ppm, STEL 15 ppm.

Engineering Controls:

Local Ventilation: Recommended

General Ventilation: Recommended

Personal Protective Equipment:

Eyes: Safety glasses as a minimum

Skin: Wash at meals and end of shift. Chemical protective gloves are recommended.

Contaminated shoes and clothing should be removed and cleaned before reuse.

Ventilation: Good general ventilation should be sufficient.

Respiratory Protection: If engineering controls do not maintain airborne concentrations of hazardous ingredients below limits in Section II of this MSDS, then a NIOSH/NSHA approved organic vapor respirator should be used.

## **IX. Physical and Chemical Properties**

Boiling Point: not determined

Specific Gravity: 1.01

Vapor Pressure (mmHg): not determined

Color: Various

Vapor Density (AIR=1): not determined

Viscosity: not determined

Solubility in Water: not determined

Freezing Point: not determined

Appearance: paste

Volatile Organic Content: 32 g/L

Odor: Acetic acid odor (vinegar like)

## **X. Stability and Reactivity**

Stability: Stable

Hazardous Polymerization: Will not occur  
Conditions to Avoid: None  
Materials to Avoid: Oxidizing agents, water, moisture, and humid air

## **XI. Disposal Considerations**

As received, this material is not classified as a hazardous waste per RCRA Hazard class (40 CFR 261). State and local laws may impose added requirements regarding disposal.

## **XII. Transport Considerations**

Marine pollutant components: None  
DOT (USA): Not Subject to DOT  
DOT Hazard Classification: None  
UN/NA Number: Not applicable  
Label Required: None  
Ocean Shipment: Not subject to IMDG.  
Air Shipment: Not subject to IATA

## **XII. Regulatory Information**

TSCA: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

DSL: All ingredients are listed on the DSL

SARA 302: No components subject to 40 CFR 370

SARA 312:

Acute:	Yes
Chronic:	No
Fire:	No
Pressure:	No
Reactive:	No

SARA 313: None present or none present in regulated quantities

ACGIH: not classifiable as a human carcinogen

Supplemental State Compliance:

California:

Warning: This product contains the following chemical(s) listed by the state of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None known

Massachusetts:

<u>CAS Number</u>	<u>Component Name</u>	<u>% by Weight</u>
7631-86-9	Silica, amorphous	≤ 10

New Jersey:

<u>CAS Number</u>	<u>Component Name</u>	<u>% by Weight</u>
70131-67-8	dimethylsiloxane, hydroxy terminated	≤ 87
7631-86-9	Silica, amorphous	≤ 10
4253-34-3	methyltriacetoxysilane	1.0 – 5.0
17689-77-9	ethyltriacetoxysilane	1.0 – 5.0

Pennsylvania:

<u>CAS Number</u>	<u>Component Name</u>	<u>% by Weight</u>
70131-67-8	dimethylsiloxane, hydroxy terminated	≤ 87
7631-86-9	Silica, amorphous	≤ 10

### **XIII. Other Information**

Disclaimer: The opinions expressed herein are those of qualified experts within A.W. Perkins Company or its suppliers. We believe the information contained herein is current as of date of this MSDS. Since the use of the product is not within the control of A.W. Perkins, it is the user's obligation to determine the conditions of safe use.