



# Material Safety Data Sheet - MSDS

## RTV Silicone Sealant

### Section 1. Chemical Product and Company Identification

**Common Name** : RTV Silicone Sealant **Code** : RTV3, RTV8, RTV10, RTV10W

**Synonym** : Not available. **Validation Date** : 2004-10-24.

**Trade name** : RTV Silicone Sealant RTV3, RTV8, RTV10, RTV10W. **In Case of Emergency** : (714) 739-1408

**Manufactured for** : L.H. Dottie Company  
6131 S. Garfield Avenue  
Commerce, California 90040  
Tel: (323) 725-1000

### Section 2. Composition, Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
Silica, Amorphous	7631-86-9	15-30	<b>NIOSH REL (United States, 2001).</b> TWA: 6 mg/m <sup>3</sup> 10 hour(s). Form: All forms
Titanium dioxide	13463-67-7	1-3	<b>ACGIH TLV (United States, 2003).</b> : TWA: 10 mg/m <sup>3</sup> 8 hour(s). Form: All forms
Silanetriol, ethyl-, triacetate	17689-77-9	1-3	<b>OSHA PEL (United States, 1993).</b> TWA: 15 mg/m <sup>3</sup> 8 hour(s). Form: Total dust
Silanetriol, methyl-, triacetate	4253-34-3	1-3	Not available.

**This material is classified as not hazardous under OSHA regulations.**

[See Section 8 for Exposure Limits.](#)  
[See Section 11 for Toxicological Data.](#)

### Section 3. Hazards Identification

**Physical State and Appearance** : Solid. (Paste)

**Emergency Overview** : No specific hazard.  
USE WITH CARE.  
Follow good industrial hygiene practice.

**Routes of Entry** : Absorbed through skin. Eye contact. Inhalation. Ingestion.

**Potential Acute Health Effects**

**Eyes** : Slightly hazardous in case of eye contact (irritant).

**Skin** : Slightly hazardous in case of skin contact (irritant). Non-sensitizer for skin.

**Inhalation** : Not available.

**Ingestion** : Not available.

**Potential Chronic Health Effects** : **CARCINOGENIC EFFECTS**: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.  
**MUTAGENIC EFFECTS**: Not available.  
**TERATOGENIC EFFECTS**: Not available.

**Medical Conditions Aggravated by Overexposure:** : Repeated or prolonged exposure is not known to aggravate medical condition.

**Over-exposure signs/symptoms** : Not available.

[See Section 11 for Toxicological Data.](#)

## Section 4. First Aid Measures

- Eye Contact** : Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.
- Skin Contact** : In case of contact, immediately flush skin with plenty of water. Get medical attention.
- Inhalation** : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.
- Notes to Physician** : No specific antidote. Medical staff must contact Poison Information Center.

## Section 5. Fire Fighting Measures

- Flammability of the Product** : May be combustible at high temperature.
- Auto-ignition Temperature** : Not available.
- Flash Points** : Not available.
- Flammable Limits** : Not available.
- Products of Combustion** : These products are carbon oxides (CO, CO<sub>2</sub>). Some metallic oxides.
- Fire Hazards in Presence of Various Substances** : May be combustible at high temperature.
- Explosion Hazards in Presence of Various Substances** : Risks of explosion of the product in presence of mechanical impact: Not applicable.  
Risks of explosion of the product in presence of static discharge: Not applicable.
- Fire Fighting Media and Instructions** : SMALL FIRE: Use dry chemical powder.  
LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
- Protective Clothing (Fire)** : Be sure to use an approved/certified respirator or equivalent.
- Special Remarks on Fire Hazards** : Not available.

## Section 6. Accidental Release Measures

- Small Spill and Leak** : Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- Large Spill and Leak** : Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## Section 7. Handling and Storage

- Handling** : After handling, always wash hands thoroughly with soap and water.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Avoid extreme temperature (below 0°C (32°F) or over 30°C (85°F)).

## Section 8. Exposure Controls, Personal Protection

- Engineering Controls** : No special ventilation requirements.

### Personal Protection

- Eyes** : Splash goggles.
- Body** : Lab coat.
- Respiratory** : Dust respirator. Be sure to use an approved/certified respirator or equivalent.
- Hands** : Gloves.
- Feet** : Not applicable.

### **Protective Clothing (Pictograms)**



- Personal Protection in Case of a Large Spill Exposure Limits** : Splash goggles. Full suit. Dust respirator. Boots. Gloves.

**Product Name**

Silica, Amorphous

Titanium dioxide

**Exposure Limits****NIOSH REL (United States, 2001).**TWA: 6 mg/m<sup>3</sup> 10 hour(s). Form: All forms**ACGIH TLV (United States, 2003). :**TWA: 10 mg/m<sup>3</sup> 8 hour(s). Form: All forms**OSHA PEL (United States, 1993).**TWA: 15 mg/m<sup>3</sup> 8 hour(s). Form: Total dust[Consult local authorities for acceptable exposure limits.](#)**Section 9. Physical and Chemical Properties**

<b>Physical State and Appearance</b>	: Solid. (Paste)
<b>Color</b>	: Not available.
<b>Odor</b>	: Acetic acid.
<b>Molecular Weight</b>	: Not applicable.
<b>Molecular Formula</b>	: Not applicable.
<b>pH (1% Soln/Water)</b>	: Not available.
<b>Boiling/Condensation Point</b>	: Not available.
<b>Melting/Freezing Point</b>	: 1830.05 to 1850.05°C (3326.1 to 3362.1°F) based on data for: Titanium dioxide. Weighted average: 1727.01°C (3140.6°F)
<b>Specific Gravity</b>	: 1.04 (Water = 1)
<b>Vapor Pressure</b>	: Not available.
<b>Vapor Density</b>	: Not available.
<b>Volatility</b>	: <5% (v/v).
<b>Odor Threshold</b>	: Not available.
<b>Evaporation Rate</b>	: Not available.
<b>VOC</b>	: 5 (%)
<b>Viscosity</b>	: Not available.
<b>LogK<sub>ow</sub></b>	: Not available.
<b>Solubility</b>	: Very slightly soluble in cold water, hot water.

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	: The product is stable.
<b>Conditions of Instability</b>	: Not available.
<b>Incompatibility with Various Substances</b>	: Reactive with oxidizing agents.
<b>Hazardous Decomposition Products</b>	: Not available.
<b>Hazardous Polymerization</b>	: Will not occur.

**Section 11. Toxicological Information****Toxicity Data**

<u><b>Ingredient Name</b></u>	<u><b>Test</b></u>	<u><b>Result</b></u>	<u><b>Route</b></u>	<u><b>Species</b></u>
Silanetriol, methyl-, triacetate	LD50	2060 mg/kg	Oral	Rat

<b>Chronic Effects on Humans</b>	: <b>CARCINOGENIC EFFECTS:</b> Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.
<b>Other Toxic Effects on Humans</b>	: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant). Non-sensitizer for skin.
<b>Special Remarks on Toxicity to Animals</b>	: Not available.
<b>Special Remarks on Chronic Effects on Humans</b>	: Not available.
<b>Special Remarks on Other Toxic Effects on Humans</b>	: Not available.

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## Section 12. Ecological Information

### Ecotoxicity Data

<u>Ingredient Name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
Titanium dioxide	Daphnia magna (EC50)	48 hour(s)	>1000 mg/l

<b>BOD and COD</b>	: Not available.
<b>Biodegradable/OECD</b>	: Not available.
<b>Mobility</b>	: Not available.
<b>Products of Degradation</b>	: These products are carbon oxides (CO, CO <sub>2</sub> ) and water. Some metallic oxides.
<b>Toxicity of the Products of Biodegradation</b>	: The product itself and its products of degradation are not toxic.
<b>Special Remarks on the Products of Biodegradation</b>	: Not available.

## Section 13. Disposal Considerations

**Waste Information** : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Consult your local or regional authorities.

## Section 14. Transport Information

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
United States (DOT)	Not regulated.	-	-	-		-
IMDG Code	Not regulated.	-	-	-		-
IATA-DGR Class	Not regulated.	-	-	-		-

**NAERG** : Not applicable.

## Section 15. Regulatory Information

<b>HCS Classification</b>	: Not controlled under the HCS (United States).
<b>U.S. Federal Regulations</b>	: TSCA 8(b) inventory: All components listed. SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. SARA 302/304/311/312 hazardous chemicals: Titanium dioxide SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Titanium dioxide: Immediate (Acute) Health Hazard Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.

### SARA 313

**Form R - Reporting Requirements** : No products were found.

**Supplier Notification** : No products were found.

<b>State Regulations</b>	: Pennsylvania RTK: Silica, Amorphous: (generic environmental hazard); Titanium dioxide: (generic environmental hazard) Massachusetts RTK: Silica, Amorphous; Titanium dioxide New Jersey: Silica, Amorphous; Titanium dioxide California prop. 65: No products were found.
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**Section 16. Other Information****Label Requirements** : USE WITH CARE.**Hazardous Material  
Information System  
(U.S.A.)**

Health	1
Fire Hazard	1
Reactivity	0
Personal Protection	C

**National Fire  
Protection  
Association  
(U.S.A.)****References** : - 29CFR Part1910.1200 OSHA MSDS Requirements. - 49CFR Table List of Hazardous Materials, UN#, Proper Shipping Names, PG. ANSI Z400.1, MSDS Standard, 2001. -Manufacturer's Material Safety Data Sheet.**Responsible Name** : Kemika XXI Inc. +1-450-435-7475**Date of printing** : 2004-10-28.**Date of issue** : 2004-10-24.**Date of Previous Issue** : No Previous Validation.**Version** : 1**Notice to Reader**

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