

ROCKY HILL, CONNECTICUT 06067  
EMERGENCY PHONE: (860) 571-5100

## MATERIAL SAFETY DATA SHEET

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Superflex TM Aluminum RTV Silicone Adhesive  
82236

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Superflex TM Aluminum RTV Silicone Adhesive  
Sealant  
Item No.: 82236  
Product Type: Silicone

## 2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Poly(dimethylsiloxane), dimethyl	63148-62-9	85-90
SILICA, AMORPHOUS	7631-86-9	10-15
Ethyltriacetoxysilane	17689-77-9	1-5
Methyltriacetoxysilane	4253-34-3	1-5
ACETIC ACID	64-19-7	***

\*\*\*When this product is exposed to moisture, 1-3% acetic acid may be formed.

## Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
SILICA, AMORPHOUS	10mg/m3 TWA	6mg/m3 TWA	None
ACETIC ACID	10 ppm TWA 25 mg/m3	10 ppm TWA 25 mg/m3	None

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
ACETIC ACID	15 ppm 37 mg/m3	None

## 3. HAZARDS IDENTIFICATION

Toxicity: Uncured product may irritate skin, lips, gums, tongue, and eyes. It may cause stomach discomfort.

Primary Routes of Entry: Skin, inhalation, ingestion.

Signs and Symptoms of Exposure: Acetic acid produced during cure irritates eyes, nose, throat, skin, lips, and gums and may cause stomach discomfort.

Existing Conditions Aggravated by Exposure: Methyltriacetoxysilane: Eye, skin, and pulmonary

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## 3. HAZARDS IDENTIFICATION

(continued)

disorders.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Poly(dimethylsiloxane), dimethyl	IRR	NO	NO	NO
SILICA, AMORPHOUS	NUI	NO	N/A	NO
Ethyltriacetoxysilane	No Data	NO	NO	NO
Methyltriacetoxysilane	NTO	NO	NO	NO
ACETIC ACID	ALG COR EYE GAS IMM IRR KID	NO	NO	NO

## Abbreviations

N/A Not Applicable	ALG Allergen
COR Corrosive	EYE Eyes
GAS Gastrointestinal	IMM Immune system
IRR Irritant	KID Kidney
NTO No Target Organs	NUI Nuisance dust

## 4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation:	Remove to fresh air. Obtain medical attention.
Skin Contact:	Wipe off paste with paper towel or cloth. Wash exposed area with soap and water.
Eye Contact:	Flush at least 15 minutes with water. Obtain medical attention.

## 5. FIRE FIGHTING MEASURES

Flash Point:	212°F	Method: Open Cup
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical, water, water fog	
Special Firefighting Procedures:	Wear self-contained breathing apparatus and protective clothing.	
Hazardous Products formed by Fire or Thermal Decomp	Acetic acid, formaldehyde, silica fume, oxides of carbon, traces of incompletely burned carbon products.	

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## 5. FIRE FIGHTING MEASURES

(continued)

Unusual Fire or  
Explosion Hazards: None

## Explosive Limits:

(% by volume in air)Lower Acetic acid: 4%  
(% by volume in air)Upper Acetic acid: 19.9% at 200°F.

## 6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case  
of spill or leak: Wipe or scrape up spilled material. Maintain  
good ventilation for large spills. Place scrap  
material in a well ventilated place and allow to  
cure to rubber.

## 7. HANDLING AND STORAGE

Safe Storage: Store in a dry area below 90°F. Keep container  
closed when not in use.  
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)  
Handling: Avoid breathing vapor. Avoid eye or skin contact.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.  
Skin: Rubber or plastic gloves.  
Ventilation: Provide local ventilation for prolonged use in  
confined area.  
Respiratory: NIOSH approved acid gas/organic respirator if  
ventilation is inadequate.

See Section 2 for Exposure Limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Aluminum paste  
Odor: Sharp, Irritating  
Boiling Point: Not Applicable, Polymeric material  
pH: Does not apply  
Solubility in Water: Polymerized  
Specific Gravity: 1.04  
Volatile Organic Compound  
(EPA Method 24) 4.2%; 43.7 grams per liter  
Vapor Pressure: Less than 5 mm Hg at 80°F  
Vapor Density: Not available  
Evaporation Rate  
(Ether = 1) Less than 1

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## 10. STABILITY AND REACTIVITY

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibility: Oxidizing materials  
Polymerized by contact with moisture. Acetic acid liberated.  
Conditions to Avoid: Air and moisture  
Hazardous Decomposition  
Products (non-thermal): None

## 11. TOXICOLOGICAL INFORMATION

See Section 3.

## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Cured rubber scrap can be incinerated. Follow EPA and local regulations.  
EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material

## 14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)  
Domestic Ground Transport  
Proper Shipping Name: Unrestricted  
Hazard Class or Division: Unrestricted  
Identification Number: None  
Marine Pollutant: None  
IATA  
Proper Shipping Name: Unrestricted  
Class or Division: Unrestricted  
UN or ID Number: None

## 15. REGULATORY INFORMATION

CA Proposition 65: Not available

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## 16. OTHER INFORMATION

Estimated NFPA(R) Code:  
Health Hazard: 2  
Fire Hazard: 1  
Reactivity Hazard: 1  
Specific Hazard: Does not apply

Estimated HMIS(R) Code:  
Health Hazard: 2\*  
Flammability Hazard: 1  
Reactivity Hazards: 1  
Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.  
HMIS is a registered trademark of the National Paint and Coatings Assn.

Prepared By: Stephen Repetto  
Title: Research Chemist - Health & Regulatory Affairs  
Company: Henkel Loctite Corporation, Rocky Hill CT 06067  
(24hr.) Phone: (860) 571-5100  
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