

View Section : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

59630

Product Name: **Loctite Superflex Red High Temp RTV Silicone Adhesive Sealant**
Chemical Family: Silicone
Manufacturer MSDS.: 59630
Manufacturer Name: Henkel Corporation
Address: 1001 Trout Brook Crossing
 Rocky Hill Connecticut 06067 United States
Email: www.loctite.com
Business Phone: 860.571.5100
Emergency Phone: 860.571.5100
Creation Date: 07/25/2006
Revision Date: 07/25/2006
Trade Names: Loctite(R) Superflex(R) Red High Temp RTV Silicone Adhesive Sealant
Product Codes: 59630

HMIS

HEALTH	2
FIRE	1
REACTIVITY	0
PPE	

[To Top of page](#)**SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS**

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Ingredient Name	CAS#	Ingredient Percent
Poly(dimethylsiloxane), hydroxy terminated EC Index Number: 1	70131-67-8	60-100 by Weight
Silica, amorphous (fumed) EC Index Number: 1	7631-86-9	5-10 by Weight
Distillates(petroleum), hydrotreated middle EC Index Number: 1	64742-46-7	5-10 by Weight
Dimethyl polysiloxane EC Index Number: 1	63148-62-9	1-5 by Weight
Ethyltriacetoxysilane EC Index Number: 1	17689-77-9	1-5 by Weight
Methyltriacetoxysilane EC Index Number: 1	4253-34-3	1-5 by Weight
Acetic acid EC Index Number: 1	64-19-7	1-5 by Weight

Comments: Exposure to moisture during cure will release 1-5% acetic acid. The above components are hazardous as defined in 29 CFR 1910.1200.

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Emergency Overview: CAUTION: MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
Physical State: Paste
Color: Red
Odor: Acetic Acid
Comments: See Section 11 for additional toxicological information.

Applies to All Ingredients :

Route of Exposure: Skin contact, Eye contact, Inhalation
Potential Health Effects:
Eye Contact: Vapors may irritate eyes. Contact with eyes will cause irritation.

Skin Contact:	May cause skin irritation.
Inhalation:	Acetic acid produced during cure may irritate eyes, nose and throat. When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limit.
Ingestion:	Not expected to be harmful by ingestion.
Aggravation of Pre-Existing Conditions:	Eye, skin, and respiratory disorders.
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SECTION 4 : FIRST AID MEASURES

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Eye Contact:	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
Skin Contact:	Wipe off paste with paper towel or cloth. Wash with soap and water.
Inhalation:	Remove to fresh air. If discomfort persists seek medical attention.
Ingestion:	Do not induce vomiting. If a person feels unwell or symptoms of skin irritation appear, consult a physician.
Note to Physicians:	Treat symptomatically.

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SECTION 5 : FIRE FIGHTING MEASURES

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Flash Point:	Greater than 93 deg C (200 deg F)
Flash Point Method:	Tagliabue closed cup
Upper Flammable or Explosive Limit:	Acetic acid: 19.9%@ 200Å°F
Lower Flammable or Explosive Limit:	Acetic acid: 4%
Auto Ignition Temperature:	Not available
Extinguishing Media:	Foam, dry chemical or carbon dioxide.
Hazardous Combustion Byproducts:	Formaldehyde. Silica Mist. Acid smoke and fumes.
Fire Fighting Instructions:	None
Unusual Fire Hazards:	None

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SECTION 6 : ACCIDENTAL RELEASE MEASURES

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Spill Cleanup Measures:	Scrape up as much material as possible. Spilled material will solidify. Store in a closed container until ready for disposal. Maintain good ventilation for large spills.
Environmental Precautions:	Prevent product from entering drains or open waters.

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SECTION 7 : HANDLING and STORAGE

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Handling:	Avoid contact with eyes, skin and clothing. Do not get in eyes. Do not get on skin or clothing. Do not wear contact lenses.
Storage:	Store in a dry area below 90 deg F Keep container closed.
Comments:	For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

Incompatible products Avoid contact with water. Acids. Oxidizing agents.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

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Engineering Controls:	Ensure adequate ventilation.
Skin Protection Description:	Chemical resistant, impermeable gloves.
Eye/Face Protection:	Chemical splash goggles or safety glasses with side shields.
Respiratory Protection:	No personal respiratory protective equipment normally required. Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
Comments:	See Section 8 for Exposure Limits.

Ingredient Guidelines

Ingredient: Acetic acid

Guideline Information: ACGIH TLV: 10 ppm TWA 15 ppm STEL; OSHA PEL: 10 ppm TWA 25 mg/m³ TWA; OTHER: None;

Ingredient: Dimethyl polysiloxane

Guideline Information: ACGIH TLV: None; OSHA PEL: None; OTHER: None;

Ingredient: Distillates(petroleum), hydrotreated middle

Guideline Information: ACGIH TLV: None; OSHA PEL: None; OTHER: None;

Ingredient: Ethyltriacetoxysilane

Guideline Information: ACGIH TLV: None; OSHA PEL: None; OTHER: None;

Ingredient: Methyltriacetoxysilane

Guideline Information: ACGIH TLV: None; OSHA PEL: None; OTHER: None;

Ingredient: Poly(dimethylsiloxane), hydroxy terminated

Guideline Information: ACGIH TLV: None; OSHA PEL: None; OTHER: None;

Ingredient: Silica, amorphous (fumed)

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Color:	Red
Odor:	Acetic Acid
Physical State:	Paste
pH:	Not applicable
Vapor Pressure:	<10 mmHg @20 deg C (68 deg F)
Vapor Density:	Heavier than air
Boiling Point:	Not available
Melting Point:	Not available
n-Octanol/water partition coefficient:	Not available
Solubility in Water:	Insoluble Polymerizes in presence of water
Specific Gravity:	1.01 at 20 deg. C
Evaporation Point:	Not available
Volatile Organic Compound Content:	3.08%; 32 grams/liter

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Chemical Stability:	Stable.
Conditions to Avoid:	Prolonged heating at temperatures above 150°C deg C. Exposure to moisture.
Incompatibilities with Other Materials:	Acids. Bases. Oxidizing agents. Water.
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	Acetic acid is liberated slowly upon contact with moisture. Formaldehyde.

[To Top of page](#)**SECTION 11 : TOXICOLOGICAL INFORMATION**

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Poly(dimethylsiloxane), hydroxy terminated :

Target Organ Data:	No Target Organs
Carcinogenicity:	OSHA Designation: No; NTP Designation: No; IARC Designation: No;

Silica, amorphous (fumed) :

Target Organ Data:	Nuisance dust
Carcinogenicity:	OSHA Designation: No; NTP Designation: No; IARC Designation: No;

Distillates(petroleum), hydrotreated middle :

Target Organ Data:	Irritant
Carcinogenicity:	OSHA Designation: No; NTP Designation: No; IARC Designation: No;

Dimethyl polysiloxane :

Target Organ Data:	Irritant
Carcinogenicity:	OSHA Designation: No; NTP Designation: No; IARC Designation: No;

Ethyltriacetoxysilane :

Target Organ Data:	No Target Organs
Carcinogenicity:	OSHA Designation: No; NTP Designation: No; IARC Designation: No;

Methyltriacetoxysilane :

Target Organ Data:	Allergen, Irritant
Carcinogenicity:	OSHA Designation: No; NTP Designation: No; IARC Designation: No;

Acetic acid :

Target Organ Data:	Kidney, Irritant, Immune system, Gastrointestinal, Eyes, Corrosive, Allergen
Carcinogenicity:	OSHA Designation: No; NTP Designation: No; IARC Designation: No;

[To Top of page](#)**SECTION 12 : ECOLOGICAL INFORMATION**

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Ecological Paragraph:	No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.
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Waste Disposal:	Dispose according to EPA and local governmental regulations. Cured rubber can be incinerated or landfilled following EPA and local regulations.
EPA Waste Number:	Not a RCRA hazardous waste.
Comments:	Information provided is for unused product only.

**SECTION 14 : TRANSPORT INFORMATION**

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DOT Shipping Name: Not regulated
DOT Hazard Class: None
DOT Identification Number: None
DOT Packing Group: None
IMO Shipping Name: Not regulated
IMO Hazard Class: None
IMO UN Number: None
IMO Packing Group: None
IATA Shipping Name: Not regulated
IATA Hazard Class: None
IATA UN Number: None
IATA Packing Group: None
Maritime Transportation CGVS/GGVE/IMDG: Marine pollutant: None known;

[To Top of page](#)**SECTION 15 : REGULATORY INFORMATION**

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Applies to all ingredients:

TSCA 8(b): Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

TSCA 12(b): Export Notification: None.

Section 302: None above reporting de minimus.

Section 312 Hazard Category: Immediate Health Hazard

Section 313 Toxic Release Form: None.

State: California Proposition 65: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Regulatory Paragraph: CEPA DSL/NDL Status: All components are listed on or are exempt from listing on the Domestic Substances List.

Canada WHMIS: D.2.B

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HMIS:

Health Hazard: 2
Fire Hazard: 1
Reactivity: 0
Personal Protection: See Section 8

MSDS Author: Lou Fabrizio, Senior Health & Regulatory Affairs Specialist

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