

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

MATERIAL SAFETY DATA SHEET

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Loctite(R) Superflex(R) Clear RTV
30562

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) Superflex(R) Clear RTV
Silicone Adhesive Sealant
Item No.: 30562
Product Type: RTV-Silicone

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
SEALANT		
Poly(dimethylsiloxane), hydroxy terminated	70131-67-8	85-90
SILICA, AMORPHOUS	7631-86-9	5-10
Ethyltriacetoxysilane	17689-77-9	1-3
Methyltriacetoxysilane	4253-34-3	1-3
ACETIC ACID	64-19-7	***

PROPELLANT

PROPANE	74-98-6	5-80
ISOBUTANE	75-28-5	5-80

***When this product is exposed to moisture, 3-5% acetic acid may be formed.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
SEALANT			
SILICA, AMORPHOUS	10mg/m3 TWA	6mg/m3 TWA	None
ACETIC ACID	10 ppm TWA 25 mg/m3	10 ppm TWA 25 mg/m3	None
PROPELLANT			
PROPANE	2500 ppm	1000 ppm 1800 mg/m3	None

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2. COMPOSITION, INFORMATION ON INGREDIENTS (continued)

Exposure Limits (STEL)	ACGIH	OSHA
Ingredients	(TLV)	(PEL)

SEALANT

ACETIC ACID	15 ppm	None
	37 mg/m3	

PROPELLANT

PROPANE	Asphyxiant	Asphyxiant
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3. HAZARDS IDENTIFICATION

Toxicity: Eye and skin irritant.
 When heated to temperatures above 300°F (150°F) in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate eyes, nose and throat. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde.

Primary Routes of Entry: None known

Signs and Symptoms of Exposure: Acetic acid produced during cure irritates eyes, nose throat. May cause moderate corneal injury to eyes.
 Inhalation may cause difficulty in breathing.
 Ingestion may cause vomiting.

Existing Conditions Aggravated by Exposure: Heart disease and respiratory disorders.
 Methyltriacetoxysilane: Eye, skin, and pulmonary disorders.

Ingredients	Literature Referenced	Carcinogen NTP IARC OSHA
	Target Organ and Other Health Effects	

SEALANT

Poly(dimethylsiloxane), hydroxy terminated	NTO	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

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3. HAZARDS IDENTIFICATION

(continued)

PROPELLANT

PROPANE	CAR	CNS	IRR	NO	NO	NO
ISOBUTANE	CAR	CNS	LUN	NO	NO	NO

Abbreviations

N/A Not Applicable	ALG Allergen
CAR Cardiac	CNS Central nervous system
COR Corrosive	EYE Eyes
GAS Gastrointestinal	IMM Immune system
IRR Irritant	KID Kidney
LUN Lung	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. Treat symptomatically.

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 (Base only) Method: Tag closed cup
Recommended

Extinguishing Agents: Carbon dioxide, water fog, dry chemical

Special Firefighting Procedures: Not available

Hazardous Products formed by Fire or Thermal Decomp: Acetic acid, formaldehyde, silica fume.

Unusual Fire or Explosion Hazards: Containers may vent, rupture, or burst at elevated temperatures.

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

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6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case
of spill or leak: Wipe and/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 dry area, below 120°F away from heat,
spark or open flame.
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Avoid breathing vapor. Avoid eye contact or
prolonged skin contact. Do not puncture containers.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Rubber or plastic gloves.
Ventilation: Provide local ventilation for prolonged use in a
confined area.
Respiratory: Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

The properties listed below apply to the base material only.

Appearance: Clear paste
Odor: Acetic acid
Boiling Point: None: Polymeric Material
pH: Does not apply
Solubility in Water: Nil
Specific Gravity 1.04
Volatile Organic Compound
(EPA Method 24) 11.2%; 116 grams per liter maximum (calculated)

The information listed below refers to the base material only.

Vapor Pressure: 66 psig
Vapor Density: Heavier than air
Evaporation Rate
(Ether = 1) Not available

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10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Adhesive is polymerized by contact with moisture.
Acetic acid liberated.
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): Acetic acid fumes.

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 local regulations for disposal of aerosol cans.
EPA Hazardous Waste Number: D001 - Hazardous waste per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Consumer Commodity
Hazard Class or Division: ORM-D
Identification Number: None
Marine Pollutant: None

IATA

Proper Shipping Name: Consumer Commodity (Not more than 500 ml);
Aerosols, flammable (More than 500 ml)
Class or Division: Class 9 (Not more than 500 ml);
Division 2.1 (More than 500 ml)
UN or ID Number: ID 8000 (Not more than 500 ml);
UN 1950 (More than 500 ml)

15. REGULATORY INFORMATION

CA Proposition 65: Not available

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16. OTHER INFORMATION

Estimated NFPA(R) Code:
Health Hazard: 1
Fire Hazard: 4
Reactivity Hazard: 0
Specific Hazard: Does not apply

Estimated HMIS(R) Code:
Health Hazard: 1
Flammability Hazard: 4
Reactivity Hazards: 0
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.

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