

# Safety Data Sheet

## Supply Co. - LOCTITE SUPERFLEX RED HIGH TEMP RTV SILICONE ADHESIVE SEALANT, 59630

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Class C Parts IDs 26812,26813,59630,59675

SAFETY DATA SHEET

HENKEL

REVISION NUMBER: 006.0

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-----1. PRODUCT AND COMPANY IDENTIFICATION -----

PRODUCT NAME:

LOCTITE(R\*) SUPERFLEX(R\*) RED HIGH TEMP RTV SILICONE ADHESIVE SEALANT

IDH NUMBER: 135507

PRODUCT TYPE: SILICONE

ITEM NUMBER: 59630

RESTRICTION OF USE: NONE IDENTIFIED

REGION: UNITED STATES

COMPANY ADDRESS:

HENKEL CORPORATION

ONE HENKEL WAY

ROCKY HILL, CONNECTICUT 06067

CONTACT INFORMATION:

TELEPHONE: (860) 571-5100

MEDICAL EMERGENCY PHONE:

POISON CONTROL CENTER: 1-877-671-4608 (TOLL FREE) OR 1-303-592-1711

TRANSPORT EMERGENCY PHONE:

CHEMTREC: 1-800-424-9300 (TOLL FREE) OR 1-703-527-3887

INTERNET: [WWW.HENKELNA.COM](http://WWW.HENKELNA.COM)

-----2. HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

WARNING:

CAUSES SKIN IRRITATION.

MAY CAUSE AN ALLERGIC SKIN REACTION.

CAUSES SERIOUS EYE IRRITATION.

HAZARD CLASS	HAZARD CATEGORY
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SKIN IRRITATION	2
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EYE IRRITATION	2A
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SKIN SENSITIZATION	1
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PICTOGRAM(S): EXCLAMATION MARK

PRECAUTIONARY STATEMENTS:

PREVENTION:

AVOID BREATHING VAPORS, MIST, OR SPRAY. WASH THOROUGHLY AFTER HANDLING.

CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE.

WEAR EYE AND FACE PROTECTION. WEAR PROTECTIVE GLOVES.

RESPONSE:

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO REMOVE. CONTINUE RINSING.

IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ATTENTION.

IF EYE IRRITATION PERSISTS:

GET MEDICAL ATTENTION. TAKE OFF CONTAMINATED CLOTHING.

STORAGE: NOT PRESCRIBED

DISPOSAL:

DISPOSE OF CONTENTS AND/OR CONTAINER ACCORDING TO FEDERAL, STATE/PROVINCIAL AND LOCAL GOVERNMENTAL REGULATIONS.

CLASSIFICATION COMPLIES WITH OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) AND IS CONSISTENT WITH THE PROVISIONS OF THE UNITED NATIONS

GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELING OF CHEMICALS

(GHS).

SEE SECTION 11 FOR ADDITIONAL TOXICOLOGICAL INFORMATION.

-----3. COMPOSITION / INFORMATION ON INGREDIENTS -----

HAZARDOUS COMPONENT(S)	CAS NUMBER	PERCENTAGE*
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE	64742-46-7	5 - 10
SILICON DIOXIDE	7631-86-9	5 - 10
SILICONE RESIN	PROPRIETARY	1 - 5
DIIRON TRIOXIDE	1309-37-1	1 - 5
SUBSTITUTED SILANE	PROPRIETARY	1 - 5
ACETIC ACID	64-19-7	0.1 - 1

\* EXACT PERCENTAGE IS A TRADE SECRET. CONCENTRATION RANGE IS PROVIDED TO ASSIST USERS IN PROVIDING APPROPRIATE PROTECTIONS.

-----4. FIRST AID MEASURES -----

INHALATION:

MOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF SYMPTOMS DEVELOP AND PERSIST, GET MEDICAL ATTENTION.

SKIN CONTACT:

WIPE OFF PASTE WITH PAPER TOWEL OR CLOTH. WASH WITH SOAP AND WATER. IF SKIN IRRITATION PERSISTS, CALL A PHYSICIAN.

EYE CONTACT:

RINSE IMMEDIATELY WITH PLENTY OF WATER, ALSO UNDER THE EYELIDS, FOR AT LEAST 15 MINUTES. IF EYE IRRITATION PERSISTS, CONSULT A SPECIALIST.

INGESTION:

DO NOT INDUCE VOMITING. IF A PERSON FEELS UNWELL OR SYMPTOMS OF SKIN

IRRITATION APPEAR, CONSULT A PHYSICIAN.

SYMPTOMS: SEE SECTION 11.

NOTES TO PHYSICIAN: TREAT SYMPTOMATICALLY.

-----5. FIRE FIGHTING MEASURES -----

EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL FIREFIGHTING PROCEDURES: NONE

UNUSUAL FIRE OR EXPLOSION HAZARDS: NONE

HAZARDOUS COMBUSTION PRODUCTS:

SILICA MIST. FORMALDEHYDE. ACRID SMOKE AND FUMES.

-----6. ACCIDENTAL RELEASE MEASURES -----

USE PERSONAL PROTECTION RECOMMENDED IN SECTION 8, ISOLATE THE HAZARD AREA

AND DENY ENTRY TO UNNECESSARY AND UNPROTECTED PERSONNEL.

ENVIRONMENTAL PRECAUTIONS: DO NOT ALLOW PRODUCT TO ENTER SEWER OR WATERWAYS.

CLEAN-UP METHODS:

MAINTAIN GOOD VENTILATION FOR LARGE SPILLS. STORE IN A PARTLY FILLED, CLOSED CONTAINER UNTIL DISPOSAL. SPILLED MATERIAL WILL SOLIDIFY. SCRAPE UP AS MUCH MATERIAL AS POSSIBLE.

-----7. HANDLING AND STORAGE -----

HANDLING:

PREVENT CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT BREATHE VAPOR AND MIST.

WASH THOROUGHLY AFTER HANDLING.

STORAGE: KEEP CONTAINER CLOSED. STORE IN A DRY AREA BELOW 90 DEG. F.

FOR INFORMATION ON PRODUCT SHELF LIFE CONTACT HENKEL CUSTOMER SERVICE AT

(800) 243-4874.

-----8. EXPOSURE CONTROLS / PERSONAL PROTECTION -----



EMPLOYERS SHOULD COMPLETE AN ASSESSMENT OF ALL WORKPLACES TO DETERMINE THE NEED FOR, AND SELECTION OF, PROPER EXPOSURE CONTROLS AND PROTECTIVE EQUIPMENT FOR EACH TASK PERFORMED.

HAZARDOUS COMPONENT(S)	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE	NONE	5 MG/M3 PEL MIST.	NONE	NONE
SILICON DIOXIDE	6 MG/M3 TWA	20 MPPCF TWA 0.8 MG/M3 TWA	NONE	3 MG/M3 TWA RESPIRABLE FRACTION.
SILICONE RESIN	NONE	NONE	NONE	NONE
DIIRON TRIOXIDE	5 MG/M3 TWA RESPIRABLE FRACTION.	10 MG/M3 PEL FUME.	NONE	NONE
SUBSTITUTED SILANE	NONE	NONE	NONE	NONE
ACETIC ACID	15 PPM STEL 10 PPM TWA	10 PPM (25 MG/M3) PEL	NONE	NONE

SUBSTITUTED SILANE            NONE            NONE            NONE            NONE

ENGINEERING CONTROLS: USE ONLY WITH ADEQUATE VENTILATION.

RESPIRATORY PROTECTION:

USE NIOSH APPROVED RESPIRATOR IF THERE IS POTENTIAL TO EXCEED EXPOSURE  
LIMIT(S).

EYE/FACE PROTECTION:

SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS. FULL FACE PROTECTION  
SHOULD BE USED IF THE POTENTIAL FOR SPLASHING OR SPRAYING OF PRODUCT EXISTS.

SKIN PROTECTION:

USE IMPERMEABLE GLOVES AND PROTECTIVE CLOTHING AS NECESSARY TO PREVENT SKIN  
CONTACT.

-----9. PHYSICAL AND CHEMICAL PROPERTIES -----

PHYSICAL STATE: LIQUID, PASTE

COLOR: RED

ODOR: ACETIC ACID

ODOR THRESHOLD: NOT AVAILABLE.

PH: NOT AVAILABLE.

VAPOR PRESSURE: <10 MMHg (68 DEG. F (20 DEG. C))

BOILING POINT/RANGE: NOT AVAILABLE.

MELTING POINT/ RANGE: NOT AVAILABLE.

SPECIFIC GRAVITY: 1.01 AT 20 DEG. C (68 DEG. F)

VAPOR DENSITY: HEAVIER THAN AIR.

FLASH POINT: >93 DEG. C (>199.4 DEG. F)

FLAMMABLE/EXPLOSIVE LIMITS - LOWER: 4% (ACETIC ACID)

FLAMMABLE/EXPLOSIVE LIMITS - UPPER: 19.9% (ACETIC ACID)

AUTOIGNITION TEMPERATURE: NOT AVAILABLE.

EVAPORATION RATE: NOT AVAILABLE.

SOLUBILITY IN WATER: NOT SOLUBLE. POLYMERIZES IN PRESENCE OF WATER.

PARTITION COEFFICIENT (N-OCTANOL/WATER): NOT AVAILABLE.

VOC CONTENT: 3.08%; 32 G/L

VISCOSITY: NOT AVAILABLE.

DECOMPOSITION TEMPERATURE: NOT AVAILABLE.

-----10. STABILITY AND REACTIVITY -----

STABILITY: STABLE

HAZARDOUS REACTIONS: WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS:

ACETIC ACID IS LIBERATED SLOWLY UPON CONTACT WITH MOISTURE. FORMALDEHYDE.

INCOMPATIBLE MATERIALS: ACIDS. WATER BASES. OXIDIZING AGENTS.

REACTIVITY: NOT AVAILABLE.

CONDITIONS TO AVOID:

EXPOSURE TO MOISTURE. PROLONGED HEATING AT TEMPERATURES ABOVE 150 DEG. C.

-----11. TOXICOLOGICAL INFORMATION -----

RELEVANT ROUTES OF EXPOSURE: SKIN, INHALATION, EYES

POTENTIAL HEALTH EFFECTS/SYMPTOMS:

INHALATION:

ACETIC ACID PRODUCED DURING CURE MAY IRRITATE EYES, NOSE AND THROAT. WHEN HEATED TO TEMPERATURES EXCEEDING 300 DEG. F (150 DEG. 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.

SKIN CONTACT: CAUSES SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION.

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION.

INGESTION: NOT EXPECTED TO BE HARMFUL BY INGESTION.

HAZARDOUS COMPONENT(S)	LD50S AND LC50S	IMMEDIATE AND DELAYED HEALTH EFFECTS
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE	NONE	IRRITANT
SILICON DIOXIDE	ORAL LD50 (RAT): >22,500 MG/KG	NUISANCE DUST
SILICONE RESIN	NONE	IRRITANT
DIIRON TRIOXIDE	NONE	ALLERGEN, CARDIAC, CENTRAL NERVOUS SYSTEM, IRRITANT, KIDNEY, LIVER, LUNG
SUBSTITUTED SILANE	NONE	IRRITANT, ALLERGEN
ACETIC ACID	ORAL LD50 (RABBIT):	ALLERGEN, CORROSIVE, EYES,

1,200 MG/KG

GASTROINTESTINAL, IMMUNE  
SYSTEM, IRRITANT, KIDNEY

ORAL LD50 (RAT):

3.53 G/KG

ORAL LD50 (RAT):

3.31 G/KG

DERMAL LD50

(RABBIT):

1,060 MG/KG

INHALATION LC50

(RAT, 4 H):

11.4 MG/L

SUBSTITUTED SILANE

NONE

ALLERGEN, IRRITANT

HAZARDOUS COMPONENT(S)

NTP CARCINOGEN

IARC CARCINOGEN

OSHA CARCINOGEN

(SPECIFICALLY  
REGULATED)

DISTILLATES (PETROLEUM), NO

NO

NO

HYDROTREATED MIDDLE

SILICON DIOXIDE	NO	NO	NO
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SILICONE RESIN	NO	NO	NO
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DIIRON TRIOXIDE	NO	NO	NO
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SUBSTITUTED SILANE	NO	NO	NO
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ACETIC ACID	NO	NO	NO
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SUBSTITUTED SILANE	NO	NO	NO
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-----12. ECOLOGICAL INFORMATION -----

ECOLOGICAL INFORMATION: NOT AVAILABLE.

-----13. DISPOSAL CONSIDERATIONS -----

INFORMATION PROVIDED IS FOR UNUSED PRODUCT ONLY.



RECOMMENDED METHOD OF DISPOSAL:

FOLLOW ALL LOCAL, STATE, FEDERAL AND PROVINCIAL REGULATIONS FOR DISPOSAL.

CURED RUBBER CAN BE INCINERATED OR LANDFILLED FOLLOWING EPA AND LOCAL REGULATIONS.

HAZARDOUS WASTE NUMBER: NOT A RCRA HAZARDOUS WASTE.

-----14. TRANSPORT INFORMATION -----

THE TRANSPORT INFORMATION PROVIDED IN THIS SECTION ONLY APPLIES TO THE MATERIAL/FORMULATION ITSELF, AND IS NOT SPECIFIC TO ANY PACKAGE/CONFIGURATION.

U.S. DEPARTMENT OF TRANSPORTATION GROUND (49 CFR):

PROPER SHIPPING NAME: NOT REGULATED

HAZARD CLASS OR DIVISION: NONE

IDENTIFICATION NUMBER: NONE

PACKING GROUP: NONE

INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA):

PROPER SHIPPING NAME: NOT REGULATED

HAZARD CLASS OR DIVISION: NONE

IDENTIFICATION NUMBER: NONE

PACKING GROUP: NONE

WATER TRANSPORTATION (IMO/IMDG):

PROPER SHIPPING NAME: NOT REGULATED

HAZARD CLASS OR DIVISION: NONE

IDENTIFICATION NUMBER: NONE

PACKING GROUP: NONE

-----15. REGULATORY INFORMATION -----

UNITED STATES REGULATORY INFORMATION:

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 ABOVE REPORTING DE MINIMIS

CERCLA/SARA SECTION 302 EHS: NONE ABOVE REPORTING DE MINIMIS

CERCLA/SARA SECTION 311/312: IMMEDIATE HEALTH

CERCLA/SARA SECTION 313: NONE ABOVE REPORTING DE MINIMIS

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS A CHEMICAL KNOWN IN THE STATE OF CALIFORNIA TO CAUSE  
CANCER. THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO  
CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

CANADA REGULATORY INFORMATION:

CEPA DSL/NDSL STATUS:

ALL COMPONENTS ARE LISTED ON OR ARE EXEMPT FROM LISTING ON THE CANADIAN  
DOMESTIC SUBSTANCES LIST.

-----16. OTHER INFORMATION -----

THIS SAFETY DATA SHEET CONTAINS CHANGES FROM THE PREVIOUS VERSION IN SECTIONS:  
NEW SAFETY DATA SHEET FORMAT.

PREPARED BY: CATHERINE BIMLER, REGULATORY AFFAIRS SPECIALIST

ISSUE DATE: 08/01/2014

DISCLAIMER:

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