

# Safety Data Sheet

**Supply Co. - LOCTITE SI 5699 KNOWN AS LOCTITE 5699 GREY HIGH PERF,  
18718**

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Class C Parts IDs 22314,CD554066,LOC135270,LOC135270-1

SAFETY DATA SHEET

HENKEL

REVISION NUMBER: 003.0

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

PRODUCT NAME: LOCTITE SI 5699 KNOWN AS LOCTITE(R) 5699 GREY HIGH PERF

PRODUCT TYPE: SILICONE

IDH NUMBER: 135275

ITEM NUMBER: 18718

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:

MAY CAUSE AN ALLERGIC SKIN REACTION.

CAUSES SERIOUS EYE IRRITATION.

HARMFUL IF INHALED.

HAZARD CLASS	HAZARD CATEGORY
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ACUTE TOXICITY INHALATION	4
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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 DUST OR FUMES. WASH THOROUGHLY AFTER HANDLING. USE ONLY OUTDOORS OR IN A WELL-VENTILATED AREA. 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 INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

IF IN EYES:

RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO REMOVE. CONTINUE RINSING. CALL A POISON CONTROL CENTER OR PHYSICIAN IF YOU FEEL UNWELL.

IF SKIN IRRITATION OR RASH OCCURS: GET MEDICAL ATTENTION.

IF EYE IRRITATION PERSISTS:

GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE.

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*
CALCIUM CARBONATE	471-34-1	10 - 30
GARNET-GROUP MINERALS	12178-41-5	10 - 30
BUTAN-2-ONE O,O',O''-(VINYL-SILYLIDYNE)TRIOXIME	2224-33-1	5 - 10
OCTADECANOIC ACID	57-11-4	0.1 - 1
ALUMINUM	7429-90-5	0.1 - 1

BUTAN-2-ONE O,O',O",O"'-SILANETETRAYLTETRAOXIME 34206-40-1 0.1 - 1

BUTANONE OXIME 96-29-7 1 - 5

WHITE MINERAL OIL (PETROLEUM), HIGHLY REFINED 8042-47-5 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 IN CASE OF ACCIDENTAL INHALATION OF VAPOURS OR DECOMPOSITION  
PRODUCTS. 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. GET MEDICAL ATTENTION.

INGESTION:

DO NOT INDUCE VOMITING. IN CASE OF ADVERSE HEALTH EFFECTS SEEK MEDICAL  
ADVICE.

SYMPTOMS: SEE SECTION 11.

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

EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL FIREFIGHTING PROCEDURES:

WEAR SELF CONTAINED BREATHING APPARATUS. PREVENT INHALATION OF FUMES AND  
GASES.

UNUSUAL FIRE OR EXPLOSION HAZARDS: NONE

HAZARDOUS COMBUSTION PRODUCTS:

OXIDES OF CARBON. OXIDES OF SILICON. FORMALDEHYDE. IRRITATING ORGANIC  
VAPOURS.

-----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 MATERIAL TO CONTAMINATE GROUND WATER SYSTEM.

CLEAN-UP METHODS:

SCRAPE UP AS MUCH MATERIAL AS POSSIBLE. MAINTAIN GOOD VENTILATION FOR LARGE SPILLS. PLACE SCRAP MATERIAL IN A WELL VENTILATED AREA AND ALLOW TO CURE TO RUBBER.

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

HANDLING:

PREVENT CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT BREATHE VAPOR AND MIST. WASH THOROUGHLY AFTER HANDLING. DO NOT HANDLE CONTACT LENSES UNTIL ALL SEALANT HAS BEEN REMOVED FROM HANDS. RESIDUAL SEALANT MAY TRANSFER TO LENSES AND CAUSE EYE IRRITATION.

STORAGE:



FOR SAFE STORAGE, STORE BETWEEN 0 DEG. C (32 DEG. F) AND 32 DEG. C  
(89.6 DEG. F)

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
CALCIUM CARBONATE	10 MG/M3	5 MG/M3 PEL	NONE	NONE
	TWA TOTAL	RESPIRABLE		
	DUST.	FRACTION.		
		15 MG/M3		
		PEL TOTAL		

		DUST.		
GARNET-GROUP MINERALS	NONE	NONE	NONE	NONE
BUTAN-2-ONE O,O',O"- (VINYLSILYLIDYNE)TRIOXIME	NONE	NONE	NONE	NONE
OCTADECANOIC ACID	10 MG/M3 TWA	NONE	NONE	NONE
ALUMINUM	1 MG/M3 TWA RESPIRABLE FRACTION.	5 MG/M3 PEL (AS A1) RESPIRABLE DUST.	NONE	NONE
		15 MG/M3 PEL (AS A1) TOTAL DUST.		
BUTAN-2-ONE O,O',O",O"'- SILANETETRAYLTETRAOXIME	NONE	NONE	NONE	NONE
BUTANONE OXIME	NONE	NONE	10 PPM	NONE

(36 MG/M3)

TWA (SKIN

SENSITIZER)

WHITE MINERAL OIL	5 MG/M3	5 MG/M3	NONE	NONE
(PETROLEUM), HIGHLY	TWA	TWA MIST		
REFINED	INHALABLE			
	FRACTION.	5 MG/M3		
		PEL MIST.		

ENGINEERING CONTROLS:

PROVIDE ADEQUATE LOCAL EXHAUST VENTILATION TO MAINTAIN WORKER EXPOSURE BELOW EXPOSURE LIMITS.

RESPIRATORY PROTECTION:

USE A NIOSH APPROVED AIR-PURIFYING RESPIRATOR IF THE POTENTIAL TO EXCEED ESTABLISHED EXPOSURE LIMITS EXISTS.

EYE/FACE PROTECTION:

SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS. SAFETY SHOWERS AND EYE WASH STATIONS SHOULD BE AVAILABLE.

SKIN PROTECTION:

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

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

PHYSICAL STATE: PASTE

COLOR: GRAY

ODOR: MILD

ODOR THRESHOLD: NOT AVAILABLE.

PH: NOT APPLICABLE

VAPOR PRESSURE: <5 MMHg

BOILING POINT/RANGE: >200 DEG. C (>392 DEG. F) NO METHOD

MELTING POINT/ RANGE: NOT AVAILABLE.

SPECIFIC GRAVITY: 1.5 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: NOT APPLICABLE

FLAMMABLE/EXPLOSIVE LIMITS - UPPER: NOT APPLICABLE

AUTOIGNITION TEMPERATURE: NOT AVAILABLE.

EVAPORATION RATE: NOT AVAILABLE.

SOLUBILITY IN WATER: POLYMERISES IN PRESENCE OF WATER.

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

VOC CONTENT: 3.31%; 49.65 G/L

VISCOSITY: NOT AVAILABLE.

DECOMPOSITION TEMPERATURE: NOT AVAILABLE.

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

STABILITY: STABLE AT NORMAL CONDITIONS.

HAZARDOUS REACTIONS: NONE UNDER NORMAL PROCESSING.

HAZARDOUS DECOMPOSITION PRODUCTS:

OXIDES OF SILICON. OXIDES OF CARBON. METHYL ETHYL KETOXIME FORMED DURING  
CURE. FORMALDEHYDE. IRRITATING FUMES.

INCOMPATIBLE MATERIALS:

ACIDS AND BASES. OXIDIZING AGENTS. POLYMERIZES ON CONTACT WITH WATER.

REACTIVITY: NOT AVAILABLE.

CONDITIONS TO AVOID:

AVOID CONTACT WITH ACIDS AND OXIDIZING AGENTS. HIGH TEMPERATURES. MOISTURE.

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

RELEVANT ROUTES OF EXPOSURE: SKIN, INHALATION, EYES

POTENTIAL HEALTH EFFECTS/SYMPTOMS:

INHALATION:

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. THE SILANE IS A SKIN AND EYE IRRITANT AND PROLONGED CONTACT MAY CAUSE EYE AND SKIN BURNS. THE LOW CONCENTRATION MAKES SUCH OVEREXPOSURE UNLIKELY AND MINIMIZES ITS AFFECT ON HEALTH AND SAFETY. HARMFUL IF INHALED.

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

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION.

INGESTION: NOT EXPECTED UNDER NORMAL CONDITIONS OF USE.

HAZARDOUS COMPONENT(S)	LD50S AND LC50S	IMMEDIATE AND DELAYED HEALTH EFFECTS
CALCIUM CARBONATE	ORAL LD50 (RAT):	NUISANCE DUST

6,450 MG/KG

GARNET-GROUP MINERALS	NONE	NO RECORDS
BUTAN-2-ONE O,O',O"- (VINYLSILYLIDYNE)TRIOXIME	NONE	IRRITANT, ALLERGEN
OCTADECANOIC ACID	ORAL LD50 (RAT): 4.6 G/KG	IRRITANT
ALUMINUM	NONE	CENTRAL NERVOUS SYSTEM, IRRITANT, LUNG
BUTAN-2-ONE O,O',O",O"'- SILANETETRAYLTETRAOXIME	NONE	IRRITANT, ALLERGEN
BUTANONE OXIME	NONE	ALLERGEN, BLOOD, CENTRAL NERVOUS SYSTEM, EYES, IRRITANT, SOME EVIDENCE OF CARCINOGENICITY
WHITE MINERAL OIL	NONE	IRRITANT



(PETROLEUM), HIGHLY

REFINED

HAZARDOUS COMPONENT(S)	NTP CARCINOGEN	IARC CARCINOGEN	OSHA CARCINOGEN (SPECIFICALLY REGULATED)
CALCIUM CARBONATE	NO	NO	NO
GARNET-GROUP MINERALS	NO	NO	NO
BUTAN-2-ONE 0,0',0''- (VINYLSILYLIDYNE)TRIOXIME	NO	NO	NO
OCTADECANOIC ACID	NO	NO	NO
ALUMINUM	NO	NO	NO
BUTAN-2-ONE 0,0',0'',0'''- SILANETETRAYLTETRAOXIME	NO	NO	NO
BUTANONE OXIME	NO	NO	NO

WHITE MINERAL OIL

NO

NO

NO

(PETROLEUM), HIGHLY REFINED

-----12. ECOLOGICAL INFORMATION -----

ECOLOGICAL INFORMATION: NOT AVAILABLE.

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

INFORMATION PROVIDED IS FOR UNUSED PRODUCT ONLY.

RECOMMENDED METHOD OF 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

EXCEPTIONS: 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, DELAYED 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/NDL STATUS:

ONE OR MORE COMPONENTS ARE NOT LISTED ON, AND ARE NOT EXEMPT FROM LISTING  
ON EITHER THE DOMESTIC SUBSTANCES LIST OR THE NON-DOMESTIC SUBSTANCES LIST.

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

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

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