

HENKEL

SAFETY DATA SHEET

REVISION NUMBER: 006.0

ISSUE DATE: 08/28/2014

## 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LOCTITE SI 587 KNOWN AS LOCTITE 587 300ML EN

IDH NUMBER: 234590

PRODUCT TYPE: SILICONE SEALANT

ITEM NUMBER: 58775

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

## 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING:  
CAUSES SKIN IRRITATION.  
MAY CAUSE AN ALLERGIC SKIN REACTION.  
CAUSES SERIOUS EYE IRRITATION.  
HARMFUL IF INHALED.

HAZARD CLASS

HAZARD CATEGORY

ACUTE TOXICITY INHALATION 4  
SKIN IRRITATION 2  
EYE IRRITATION 2A  
SKIN SENSITIZATION 1

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. 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*
LIMESTONE	1317-65-3	30 - 60

SILICONE RESIN	PROPRIETARY	10 - 30
OXIMINO SILANE	PROPRIETARY	1 - 5
ALUMINUM	7429-90-5	0.1 - 1
OCTADECANOIC ACID	57-11-4	0.1 - 1
REACTIVE SILANE	PROPRIETARY	0.1 - 1
WHITE MINERAL OIL (PETROLEUM), HIGHLY REFINED	8042-47-5	0.1 - 1
TRISTEARATE-AL	637-12-7	0.1 - 1
QUARTZ (SiO <sub>2</sub> )	14808-60-7	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 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. IF ADVERSE HEALTH EFFECTS DEVELOP SEEK 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:**

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

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 PRODUCT TO ENTER SEWER OR WATERWAYS.

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 AT OR BELOW 32 DEG. C (89.6 DEG. F)  
KEEP CONTAINER CLOSED.

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
LIMESTONE	10 MG/M3 TWA TOTAL DUST.	5 MG/M3 PEL RESPIRABLE FRACTION.  15 MG/M3 PEL TOTAL DUST.	NONE	NONE
SILICONE RESIN	NONE	NONE	NONE	NONE

OXIMINO SILANE	NONE	NONE	NONE	NONE
ALUMINUM	1 MG/M3 TWA RESPIRABLE FRACTION.	5 MG/M3 PEL (AS A1) RESPIRABLE DUST.  15 MG/M3 PEL (AS A1) TOTAL DUST.	NONE	NONE
OCTADECANOIC ACID	10 MG/M3 TWA	NONE	NONE	NONE
REACTIVE SILANE	NONE	NONE	NONE	NONE
WHITE MINERAL OIL (PETROLEUM), HIGHLY REFINED	5 MG/M3 TWA INHALABLE FRACTION.	5 MG/M3 TWA MIST  5 MG/M3 PEL MIST.	NONE	NONE
TRISTEARATE-A1	1 MG/M3 TWA RESPIRABLE FRACTION.  10 MG/M3 TWA	NONE	NONE	NONE
QUARTZ (SiO <sub>2</sub> )	0.025 MG/M3 TWA RESPIRABLE FRACTION.	2.4 MPPCF TWA RESPIRABLE.  0.1 MG/M3 TWA RESPIRABLE.  0.3 MG/M3 TWA TOTAL DUST.	NONE	NONE

**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.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

PHYSICAL STATE: PASTE

COLOR: BLUE

ODOR: MILD, PETROLEUM

ODOR THRESHOLD: NOT AVAILABLE.

PH: NOT APPLICABLE

VAPOR PRESSURE: <5 MMHg (20 DEG. C (68 DEG. F))

BOILING POINT/RANGE: NOT AVAILABLE.

MELTING POINT/RANGE: NOT AVAILABLE.

SPECIFIC GRAVITY: 1.31 AT 20 DEG. C (68 DEG. F)

VAPOR DENSITY: NOT AVAILABLE.

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

FLAMMABLE/EXPLOSIVE LIMITS - LOWER: NOT AVAILABLE.

FLAMMABLE/EXPLOSIVE LIMITS - UPPER: NOT AVAILABLE.

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: 3.33%; 43.09 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 CARBON. OXIDES OF SILICON. METHYL ETHYL KETOXIME FORMED DURING CURE. FORMALDEHYDE.

INCOMPATIBLE MATERIALS: OXIDIZING AGENTS. ACIDS AND BASES.

REACTIVITY: NOT AVAILABLE.

CONDITIONS TO AVOID: EXPOSURE TO MOISTURE.

## 11. TOXICOLOGICAL INFORMATION

RELEVANT ROUTES OF EXPOSURE: SKIN, INHALATION, EYES

POTENTIAL HEALTH EFFECTS/SYMPTOMS:

### INHALATION:

OVEREXPOSURE TO METHANOL FORMED DURING CURE MAY CAUSE DROWSINESS, NAUSEA, AND VOMITING. 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. HARMFUL IF INHALED.

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

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION.

### INGESTION:

NOT EXPECTED UNDER NORMAL CONDITIONS OF USE. INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

HAZARDOUS COMPONENT(S)	LD50S AND LC50S	IMMEDIATE AND DELAYED HEALTH EFFECTS	
LIMESTONE	NONE	NUISANCE DUST	
SILICONE RESIN	NONE	IRRITANT	
OXIMINO SILANE	NONE	IRRITANT, ALLERGEN	
ALUMINUM	NONE	CENTRAL NERVOUS SYSTEM, IRRITANT, LUNG	
OCTADECANOIC ACID	ORAL LD50 (RAT): 4.6 G/KG	IRRITANT	
REACTIVE SILANE	NONE	IRRITANT, ALLERGEN	
WHITE MINERAL OIL (PETROLEUM), HIGHLY REFINED	NONE	IRRITANT	
TRISTEARATE-AL	NONE	LUNG	
QUARTZ (SiO <sub>2</sub> )	NONE	IMMUNE SYSTEM, LUNG, SOME EVIDENCE OF CARCINOGENICITY	
HAZARDOUS COMPONENT(S)	NTP CARCINOGEN	IARC CARCINOGEN	OSHA CARCINOGEN (SPECIFICALLY REGULATED)

LIMESTONE	NO	NO	NO
SILICONE RESIN	NO	NO	NO
OXIMINO SILANE	NO	NO	NO
ALUMINUM	NO	NO	NO
OCTADECANOIC ACID	NO	NO	NO
REACTIVE SILANE	NO	NO	NO
WHITE MINERAL OIL (PETROLEUM), HIGHLY REFINED	NO	NO	NO
TRISTEARATE-AL	NO	NO	NO
QUARTZ (SiO2)	KNOWN TO BE HUMAN CARCINOGEN.	GROUP 1	NO

## 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:  
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.

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