

# Safety Data Sheet

**Supply Co. - LOCTITE THREAD SEALANT WITH PTFE, 30561**

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Class C Parts IDs 21987

SAFETY DATA SHEET

HENKEL

REVISION NUMBER: 004.0

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

PRODUCT NAME: LOCTITE(R\*) THREAD SEALANT WITH PTFE

PRODUCT TYPE: SEALANT

IDH NUMBER: 234956

ITEM NUMBER: 30561

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:

FLAMMABLE LIQUID AND VAPOR.

CAUSES SKIN IRRITATION.

MAY CAUSE AN ALLERGIC SKIN REACTION.

CAUSES SERIOUS EYE IRRITATION.

MAY CAUSE DROWSINESS OR DIZZINESS.

HAZARD CLASS

HAZARD CATEGORY

FLAMMABLE LIQUID

3

SKIN IRRITATION

2

EYE IRRITATION

2A

SKIN SENSITIZATION

1

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE

3

PICTOGRAM(S):

FLAME

EXCLAMATION MARK

PRECAUTIONARY STATEMENTS:

PREVENTION:

KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES, HOT SURFACES - NO SMOKING.

KEEP CONTAINER TIGHTLY CLOSED. NO RELEASE INTO WATER. USE EXPLOSION-PROOF EQUIPMENT. USE ONLY NON-SPARKING TOOLS. TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGE. AVOID BREATHING VAPORS, MIST, OR SPRAY. 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 PROTECTIVE GLOVES, EYE PROTECTION, AND FACE PROTECTION.

RESPONSE:

IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING.

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.

IN CASE OF FIRE: USE FOAM, DRY CHEMICAL OR CARBON DIOXIDE TO EXTINGUISH.

STORAGE:

STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. STORE IN A WELL-VENTILATED PLACE. KEEP COOL. STORE LOCKED UP.

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*
2-PROPANOL	67-63-0	30 - 60
TALC	14807-96-6	10 - 30
GLYCERIDIC OIL	PROPRIETARY	10 - 30
BUTYRAL RESIN	PROPRIETARY	10 - 30
TITANIUM DIOXIDE	13463-67-7	1 - 5
ETHENE, Tetrafluoro-, Homopolymer	9002-84-0	1 - 5
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. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION.

IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

SKIN CONTACT:

IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER (USING SOAP, IF AVAILABLE).

REMOVE CONTAMINATED CLOTHING AND FOOTWEAR. WASH CLOTHING BEFORE REUSE.

GET MEDICAL ATTENTION.

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. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS  
PERSON. GET MEDICAL ATTENTION.

SYMPTOMS: SEE SECTION 11.

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

EXTINGUISHING MEDIA:

WATER SPRAY (FOG), FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL FIREFIGHTING PROCEDURES:

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING, SUCH AS TURN-OUT GEAR.

UNUSUAL FIRE OR EXPLOSION HAZARDS:

UNCONTROLLED POLYMERIZATION MAY OCCUR AT HIGH TEMPERATURES RESULTING IN EXPLOSIONS OR RUPTURE OF STORAGE CONTAINERS. IN CASE OF FIRE, KEEP CONTAINERS COOL WITH WATER SPRAY.

HAZARDOUS COMBUSTION PRODUCTS:

OXIDES OF CARBON. TOXIC FLUORIDES. IRRITATING VAPORS.

-----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:

REMOVE ALL SOURCES OF IGNITION. EVACUATE AND VENTILATE SPILL AREA; DIKE SPILL TO PREVENT ENTRY INTO WATER SYSTEM; WEAR FULL PROTECTIVE EQUIPMENT DURING CLEANUP. SOAK UP WITH INERT ABSORBENT MATERIAL (E.G. SAND, SILICA GEL, ACID BINDER, UNIVERSAL BINDER, SAWDUST). SCRAPE UP AS MUCH MATERIAL AS POSSIBLE. STORE IN A PARTLY FILLED, CLOSED CONTAINER UNTIL DISPOSAL. REFER TO SECTION 8 "EXPOSURE CONTROLS / PERSONAL PROTECTION" PRIOR TO CLEAN UP.

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

HANDLING:

USE ONLY WITH ADEQUATE VENTILATION. PREVENT CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT BREATHE VAPOR AND MIST. WASH THOROUGHLY AFTER HANDLING. REFER TO SECTION 8.

STORAGE:

KEEP IN A COOL, WELL VENTILATED AREA AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP CONTAINER TIGHTLY CLOSED UNTIL READY FOR USE.

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
2-PROPANOL	200 PPM TWA	400 PPM	NONE	NONE
	400 PPM STEL	(980 MG/M3) PEL		
TALC	2 MG/M3 TWA	20 MPPCF TWA	NONE	50 PPM
	RESPIRABLE	2.4 MPPCF TWA		
	FRACTION.	RESPIRABLE.		
		0.1 MG/M3 TWA		
		RESPIRABLE.		
		0.3 MG/M3 TWA		
		TOTAL DUST.		

GLYCERIDIC OIL	NONE	NONE	NONE	NONE
BUTYRAL RESIN	NONE	NONE	NONE	NONE
TITANIUM DIOXIDE	10 MG/M3 TWA	15 MG/M3 PEL	NONE	NONE
		TOTAL DUST.		
ETHENE, TETRAFLUORO-, HOMOPOLYMER	NONE	NONE	NONE	10 MG/M3 TWA TOTAL DUST. 5 MG/M3 TWA RESPIRABLE FRACTION.
QUARTZ (SiO2)	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 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.  
SAFETY SHOWERS AND EYE WASH STATIONS SHOULD BE AVAILABLE.

SKIN PROTECTION:

USE CHEMICAL RESISTANT, IMPERMEABLE CLOTHING INCLUDING GLOVES AND EITHER AN  
APRON OR BODY SUIT TO PREVENT SKIN CONTACT. NEOPRENE GLOVES.

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

PHYSICAL STATE: PASTE

COLOR: WHITE

ODOR: ALCOHOLIC

ODOR THRESHOLD: NOT AVAILABLE.

PH: NOT APPLICABLE

VAPOR PRESSURE: 33 MMHg (20 DEG. C (68 DEG. F))

BOILING POINT/RANGE: 82 DEG. C (179.6 DEG. F)

MELTING POINT/ RANGE: NOT DETERMINED

SPECIFIC GRAVITY: 1.12 AT 25 DEG. C (77 DEG. F)

VAPOR DENSITY: 2.07

FLASH POINT: 23 DEG. C (73.4 DEG. F) TAGLIABUE CLOSED CUP

FLAMMABLE/EXPLOSIVE LIMITS - LOWER: 2.3%

FLAMMABLE/EXPLOSIVE LIMITS - UPPER: 12.7%

AUTOIGNITION TEMPERATURE: 398.3 DEG. C (748.94 DEG. F) ESTIMATED

EVAPORATION RATE: 7.7 (ETHER = 1)

SOLUBILITY IN WATER: PARTIALLY SOLUBLE

PARTITION COEFFICIENT (N-OCTANOL/WATER): NOT DETERMINED

VOC CONTENT:

35.98%

343.43 G/L

VISCOSITY: NOT AVAILABLE.

DECOMPOSITION TEMPERATURE: NOT AVAILABLE.

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

STABILITY: STABLE UNDER NORMAL CONDITIONS OF STORAGE AND USE.

HAZARDOUS REACTIONS: NONE UNDER NORMAL PROCESSING.

HAZARDOUS DECOMPOSITION PRODUCTS:

TOXIC FLUORIDES. OXIDES OF CARBON. IRRITATING VAPORS.

INCOMPATIBLE MATERIALS: OXIDIZING AGENTS. ACIDS. ALDEHYDES. AMINES.

REACTIVITY: NOT AVAILABLE.

CONDITIONS TO AVOID:

HEAT, FLAMES, SPARKS AND OTHER SOURCES OF IGNITION. STORE AWAY FROM  
INCOMPATIBLE MATERIALS.

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

RELEVANT ROUTES OF EXPOSURE: SKIN, INHALATION, EYES, INGESTION

POTENTIAL HEALTH EFFECTS/SYMPTOMS:

INHALATION:

INHALATION OF VAPORS OR MISTS OF THE PRODUCT MAY BE IRRITATING TO THE  
RESPIRATORY SYSTEM. MAY CAUSE DIZZINESS, INCOORDINATION, HEADACHE, NAUSEA,  
AND VOMITING.

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

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION.

INGESTION:

INGESTION CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND  
DIARRHEA.

HAZARDOUS COMPONENT(S)	LD50S AND LC50S	IMMEDIATE AND DELAYED HEALTH EFFECTS
2-ROPANOL	ORAL LD50 (RAT): 5,045 MG/KG ORAL LD50 (RABBIT): 6,410 MG/KG ORAL LD50 (RAT): 4.7 G/KG ORAL LD50 (RABBIT): 8.0 G/KG ORAL LD50 (RABBIT): 5.03 G/KG DERMAL LD50 (RABBIT): 12,800 MG/KG	ALLERGEN, BLOOD, BRAIN, CENTRAL NERVOUS SYSTEM, IRRITANT, KIDNEY, LIVER, SPLEEN
TALC	NONE	IRRITANT, LUNG, SOME EVIDENCE OF CARCINOGENICITY
GLYCERIDIC OIL	NONE	IRRITANT

BUTYRAL RESIN                      NONE                      NO RECORDS

TITANIUM DIOXIDE                  NONE                      IRRITANT,  
RESPIRATORY, SOME  
EVIDENCE OF  
CARCINOGENICITY

ETHENE, TETRAFLUORO-,          NONE                      NO TARGET ORGANS  
HOMOPOLYMER

QUARTZ (SiO<sub>2</sub>)                      NONE                      IMMUNE SYSTEM, LUNG,  
SOME EVIDENCE OF  
CARCINOGENICITY

HAZARDOUS COMPONENT(S)      NTP CARCINOGEN      IARC CARCINOGEN      OSHA CARCINOGEN  
(SPECIFICALLY  
REGULATED)

2-PROPANOL                      NO                      NO                      NO

TALC                                  NO                      GROUP 2B                  NO

GLYCERIDIC OIL                      NO                      NO                      NO

BUTYRAL RESIN	NO	NO	NO
TITANIUM DIOXIDE	NO	GROUP 2B	NO
ETHENE, TETRAFLUORO-, HOMOPOLYMER	NO	NO	NO
QUARTZ (SiO <sub>2</sub> )	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 :

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

HAZARDOUS WASTE NUMBER:

D001: IGNITABLE.

-----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: RESIN SOLUTION

HAZARD CLASS OR DIVISION: 3

IDENTIFICATION NUMBER: UN 1866

PACKING GROUP: III

INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA):

PROPER SHIPPING NAME: RESIN SOLUTION

HAZARD CLASS OR DIVISION: 3

IDENTIFICATION NUMBER: UN 1866

PACKING GROUP: III

EXCEPTIONS: CONSUMER COMMODITY, ID 8000, CLASS 9, (NOT MORE THAN 500 ML)

WATER TRANSPORTATION (IMO/IMDG):

PROPER SHIPPING NAME: RESIN SOLUTION

HAZARD CLASS OR DIVISION: 3

IDENTIFICATION NUMBER: UN 1866

PACKING GROUP: III

-----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:

ETHENE, TETRAFLUORO-, HOMOPOLYMER (CAS# 9002-84-0).

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

CERCLA/SARA SECTION 311/312: IMMEDIATE HEALTH, DELAYED HEALTH, FIRE

CERCLA/SARA SECTION 313: NONE ABOVE REPORTING DE MINIMIS

CERCLA REPORTABLE QUANTITY:

2-PROPANOL (CAS# 67-63-0): 100 LBS. (45.4 KG)

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS A CHEMICAL KNOWN IN THE STATE OF CALIFORNIA TO CAUSE  
CANCER.

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.

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