

Class C Solutions Group

A business of MSC Industrial Supply Co.

Safety Data Sheet

Supply Co. - LOCTITE THREAD SEALANT WITH PTFE, 30561

Document Nbr: 084173
Class C Parts IDs 21987

SAFETY DATA SHEET

HENKEL

REVISION NUMBER: 004.0

ISSUE DATE: 08/06/2014

-----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

-----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 ₂)	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 STEL	400 PPM (980 MG/M3) PEL	NONE	NONE
TALC	2 MG/M3 TWA RESPIRABLE FRACTION.	20 MPPCF TWA 2.4 MPPCF TWA RESPIRABLE. 0.1 MG/M3 TWA RESPIRABLE. 0.3 MG/M3 TWA TOTAL DUST.	NONE	50 PPM
GLYCERIDIC OIL	NONE	NONE	NONE	NONE
BUTYRAL RESIN	NONE	NONE	NONE	NONE
TITANIUM DIOXIDE	10 MG/M3 TWA	15 MG/M3 PEL TOTAL DUST.	NONE	NONE
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	ALLERGEN, BLOOD, BRAIN, CENTRAL NERVOUS SYSTEM, IRRITANT, KIDNEY, LIVER, SPLEEN

DERMAL LD50 (RABBIT):
12,800 MG/KG

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-, HOMOPOLYMER	NONE	NO TARGET ORGANS
QUARTZ (SiO ₂)	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 ₂)	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/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.

PREPARED BY: SHEILA GINES, REGULATORY AFFAIRS SPECIALIST

ISSUE DATE: 08/06/2014

DISCLAIMER:

THE DATA CONTAINED HEREIN ARE FURNISHED FOR INFORMATION ONLY AND ARE BELIEVED
TO BE RELIABLE. HOWEVER, HENKEL CORPORATION AND ITS AFFILIATES ("HENKEL")
DOES NOT ASSUME RESPONSIBILITY FOR ANY RESULTS OBTAINED BY PERSONS OVER WHOSE
METHODS HENKEL HAS NO CONTROL. IT IS THE USER'S RESPONSIBILITY TO DETERMINE
THE SUITABILITY OF HENKEL'S PRODUCTS OR ANY PRODUCTION METHODS MENTIONED
HEREIN FOR A PARTICULAR PURPOSE, AND TO ADOPT SUCH PRECAUTIONS AS MAY BE
ADVISABLE FOR THE PROTECTION OF PROPERTY AND PERSONS AGAINST ANY HAZARDS THAT
MAY BE INVOLVED IN THE HANDLING AND USE OF ANY HENKEL'S PRODUCTS. IN LIGHT OF
THE FOREGOING, HENKEL SPECIFICALLY DISCLAIMS ALL WARRANTIES, EXPRESS OR
IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR
PURPOSE, ARISING FROM SALE OR USE OF HENKEL'S PRODUCTS. HENKEL FURTHER
DISCLAIMS ANY LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND,
INCLUDING LOST PROFITS.