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**Material Safety Data
Sheet**

Barnes Distribution

MSDS Form No. : 020573

Item No. : 21987

LOCTITE (R*)

HENKEL

MATERIAL SAFETY DATA SHEET

REVISION NUMBER: 002.2

ISSUE DATE: 02/17/2011

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

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

PRODUCT USE: SEALANT

IDH NUMBER: 234956

ITEM NUMBER: 30561

REGION: CANADA

COMPANY ADDRESS:

HENKEL CANADA CORPORATION

2225 MEADOWPINE BOULEVARD
MISSISSAUGA, ONTARIO L5N 7P2

CONTACT INFORMATION:
TELEPHONE: 905.814.6511

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:
PHYSICAL STATE: PASTE
COLOR: WHITE
ODOR: ALCOHOLIC

WHMIS HAZARD CLASS:
B.2
D.2.A
D.2.B

WARNING:
FLAMMABLE LIQUID AND VAPOR.
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED OR INHALED.

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

POTENTIAL HEALTH EFFECTS:

INHALATION:
MAY BE HARMFUL IF INHALED. VAPORS MAY CAUSE HEADACHES, NAUSEA, DIZZINESS
AND
RESPIRATORY TRACT IRRITATION.

SKIN CONTACT:
MAY CAUSE SKIN IRRITATION. SYMPTOMS MAY INCLUDE REDNESS, EDEMA, DRYING,
DEFATTING AND CRACKING OF THE SKIN.

EYE CONTACT:
MAY CAUSE MILD IRRITATION SYMPTOMS MAY INCLUDE STINGING, TEARING, REDNESS,
SWELLING, AND BLURRED VISION.

INGESTION:

MAY BE HARMFUL IF SWALLOWED. INGESTION CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE: EYE, SKIN, AND RESPIRATORY DISORDERS.

SEE SECTION 11 FOR ADDITIONAL TOXICOLOGICAL INFORMATION.

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

HAZARDOUS COMPONENTS	CAS NUMBER	%
2-PROPANOL	67-63-0	30 - 60
TALC	14807-96-6	10 - 30
CASTOR OIL	8001-79-4	10 - 30
POLYVINYL BUTYRAL - POLYVINYL ALCOHOL - POLYVINYL ACETATE TERPOLYMER	27360-07-2	10 - 30
TITANIUM DIOXIDE	13463-67-7	1 - 5
ETHENE, TETRAFLUORO-, HOMOPOLYMER	9002-84-0	1 - 5
QUARTZ (SiO2)	14808-60-7	0.1 - 1

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

INHALATION: MOVE TO FRESH AIR. IF SYMPTOMS PERSIST, SEEK MEDICAL ADVICE.

SKIN CONTACT: WASH WITH SOAP AND WATER.

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

INGESTION: DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. GET MEDICAL ATTENTION.

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

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

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

FLAMMABLE/EXPLOSIVE LIMITS - LOWER: 2.3 %

FLAMMABLE/EXPLOSIVE LIMITS - UPPER: 12.7 %

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: NONE

HAZARDOUS COMBUSTION PRODUCTS: OXIDES OF CARBON. TOXIC FLUORIDES.

SENSITIVITY TO MECHANICAL IMPACT: NOT AVAILABLE

SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE

-----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: VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION.

CLEAN-UP METHODS:

REMOVE ALL SOURCES OF IGNITION. VENTILATE AREA. SOAK UP WITH INERT ABSORBENT

MATERIAL (E.G. SAND, SILICA GEL, ACID BINDER, UNIVERSAL BINDER, SAWDUST).

STORE IN A PARTLY FILLED, CLOSED CONTAINER UNTIL DISPOSAL.

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

HANDLING: DO NOT GET IN EYES. KEEP AWAY FROM HEAT, SPARK AND FLAME.

STORAGE: STORE AWAY FROM HEAT, SPARKS, FLAMES, OR OTHER SOURCES OF IGNITION.

FOR INFORMATION ON PRODUCT SHELF LIFE CONTACT HENKEL CANADA CUSTOMER

SERVICE
AT (905) 814-6511.

-----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 COMPONENTS	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
2-PROPANOL	200 PPM TWA 400 PPM STEL	400 PPM (980 MG/M3) TWA	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
CASTOR OIL	NONE	NONE	NONE	NONE
POLYVINYL BUTYRAL - POLYVINYL ALCOHOL - POLYVINYL ACETATE TERPOLYMER	NONE	NONE	NONE	NONE
TITANIUM DIOXIDE	10 MG/M3 TWA	15 MG/M3 TWA TOTAL DUST.	NONE	NONE
ETHENE , TWA TETRAFLUORO- , DUST. HOMOPOLYMER TWA	NONE	NONE	NONE	10 MG/M3 TOTAL 5 MG/M3 RESPIRABLE FRACTION.
QUARTZ (SiO2)	0.025 MG/M3 TWA	2.4 MPPCF TWA	NONE	NONE

RESPIRABLE
FRACTION.

RESPIRABLE.

0.1 MG/M3 TWA
RESPIRABLE.

0.3 MG/M3 TWA
TOTAL DUST.

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.

SKIN PROTECTION: CHEMICAL RESISTANT, IMPERMEABLE 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

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

STABILITY: STABLE

HAZARDOUS REACTIONS: WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS: TOXIC FLUORIDES. OXIDES OF CARBON.

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

CONDITIONS TO AVOID: HEAT, FLAMES, SPARKS AND OTHER SOURCES OF IGNITION.

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

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: NOT AVAILABLE

REFER TO THE FOLLOWING FOR IRRITANCY OF PRODUCT, SENSITIZATION TO PRODUCT, CARCINOGENICITY, REPRODUCTIVE TOXICITY, TERATOGENICITY, AND MUTAGENICITY.

HAZARDOUS COMPONENTS CARCINOGEN	NTP CARCINOGEN	IARC CARCINOGEN	OSHA CARCINOGEN (SPECIFICALLY REGULATED)	ACGIH
2-PROPANOL A4	NO	NO	NO	GROUP
TALC A4	NO	NO	NO	GROUP
CASTOR OIL	NO	NO	NO	NO

POLYVINYL BUTYRAL - POLYVINYL ALCOHOL - POLYVINYL ACETATE TERPOLYMER	NO	NO	NO	NO
TITANIUM DIOXIDE A4	NO	GROUP 2B	NO	GROUP
ETHENE, TETRAFLUORO-, HOMOPOLYMER	NO	NO	NO	NO
QUARTZ (SiO2) A2	KNOWN CARCINOGEN.	GROUP 1	NO	GROUP
HAZARDOUS COMPONENTS EFFECTS/	LD50S AND LC50S			HEALTH TARGET ORGANS
2-PROPANOL BLOOD, SYSTEM, KIDNEY,	ORAL LD50 (RAT) = 5,045 MG/KG ORAL LD50 (RABBIT) = 6,410 MG/KG ORAL LD50 (RAT) = 4.7 G/KG ORAL LD50 (RABBIT) = 5.03 G/KG ORAL LD50 (RABBIT) = 8.0 G/KG DERMAL LD50 (RABBIT) = 12,800 MG/KG			ALLERGEN, BRAIN, CENTRAL NERVOUS IRRITANT, LIVER, SPLEEN
TALC LUNG, OF CARCINOGENICITY	NONE			IRRITANT, SOME EVIDENCE
CASTOR OIL	NONE			IRRITANT
POLYVINYL BUTYRAL - POLYVINYL ALCOHOL - POLYVINYL ACETATE TERPOLYMER	NONE			NO RECORDS
TITANIUM DIOXIDE SOME CARCINOGENICITY	NONE			IRRITANT, RESPIRATORY, EVIDENCE OF

ETHENE, TETRAFLUORO-, NONE
ORGANS
HOMOPOLYMER

NO TARGET

QUARTZ (SiO2) NONE

IMMUNE SYSTEM,
LUNG, SOME
EVIDENCE OF

CARCINOGENICITY

-----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.

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

CANADA TRANSPORTATION OF DANGEROUS GOODS - GROUND:

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 -----

CANADA REGULATORY INFORMATION:**CEPA DSL/NDSL STATUS:**

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

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.

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

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

THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATION (CPR), AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

PREPARED BY: KYRA KOZAK WOODS, MANAGER, REGULATORY AFFAIRS

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