LOCTITE(R*)

MATERIAL SAFETY DATA SHEET

HENKEL TECHNOLOGIES

REVISION DATE: 04/12/2006

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LOCTITE(R) 242(R) THREADLOCKER MEDIUM STRENGTH

ITEM NO.: 24221

PRODUCT TYPE: ANAEROBIC SEALANT

REGION: UNITED STATES

COMPANY ADDRESS:
HENKEL CORPORATION
1001 TROUT BROOK CROSSING
ROCKY HILL, CONNECTICUT 06067

CONTACT INFORMATION:

TELEPHONE: 860.571.5100

EMERGENCY TELEPHONE: 860.571.5100

INTERNET: WWW.LOCTITE.COM

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	%	ACGIH TLV	OSHA PEL	OTHER
POLYGLYCOL DIMETHACRYLATE 25852-47-5	60-100	NONE	NONE	NONE
POLYGLYCOL OLEATE 9004-96-0	10-30	NONE	NONE	NONE
SACCHARIN 81-07-2	1-5	NONE	NONE	NONE
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE RESPIRABLE 112945-52-5	1-5	6 MG/M3 TWA	10 MG/M3 TWA	3 MG/M3 TWA DUST
CUMENE HYDROPEROXIDE	1-5	NONE	NONE	1 PPM

80-15-9				(6 MG/M3) SKIN (WEEL), 1 PPM, SKIN TWA, (WEEL)
PROPYLENE GLYCOL	1-5	NONE	NONE	10 MG/M3 TWA, (WEEL)
57-55-6				

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

PHYSICAL STATE: LIQUID

COLOR: BLUE

ODOR: MILD

HMIS:

HEALTH	2*
FLAMMABILITY	1
PHYSICAL HAZARD	1
PERSONAL PROTECTION	SEE SECTION 8

WARNING:
CAUSES EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.

RELEVANT ROUTES OF EXPOSURE: SKIN, INHALATION, EYES

POTENTIAL HEALTH EFFECTS:

INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION.

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

EYE CONTACT: CONTACT WITH EYES WILL CAUSE IRRITATION.

INGESTION: NOT EXPECTED TO BE HARMFUL BY INGESTION.

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

SEE SECTION 11 FOR ADDITIONAL TOXICOLOGICAL INFORMATION.

4. FIRST AID MEASURES

INHALATION:
REMOVE TO FRESH AIR. IF SYMPTOMS DEVELOP AND PERSIST, GET MEDICAL ATTENTION.

SKIN CONTACT:
WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. WASH CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR.

EYE CONTACT:
FLUSH WITH COPIOUS AMOUNTS OF WATER, PREFERABLY, LUKEWARM WATER FOR AT LEAST
15 MINUTES, HOLDING EYELIDS OPEN ALL THE TIME. GET MEDICAL ATTENTION.

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

5. FIREFIGHTING MEASURES

FLASH POINT: GREATER THAN 93 DEG. C (200 DEG. F) TAGLIABUE CLOSED CUP

AUTOIGNITION TEMPERATURE: NOT AVAILABLE

FLAMMABLE/EXPLOSIVE LIMITS-LOWER %: 2.6% (PROPYLENE GLYCOL)
FLAMMABLE/EXPLOSIVE LIMITS-UPPER %: 12.5% (PROPYLENE GLYCOL)

EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE OR EXPLOSION HAZARDS: NONE

HAZARDOUS COMBUSTION PRODUCTS:
OXIDES OF CARBON. OXIDES OF SULFUR. OXIDES OF NITROGEN. IRRITATING ORGANIC
VAPORS.

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS:
PREVENT PRODUCT FROM ENTERING DRAINS OR OPEN WATERS.

CLEAN-UP METHODS:
SOAK UP WITH INERT ABSORBENT. STORE IN A PARTLY FILLED, CLOSED CONTAINER
UNTIL DISPOSAL.

7. HANDLING AND STORAGE

HANDLING:

AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOR AND MIST.
WASH THOROUGHLY AFTER HANDLING.

STORAGE:
FOR SAFE STORAGE, STORE AT OR BELOW 38 DEG. C (100 DEG. F). KEEP IN A COOL,
WELL VENTILATED AREA AWAY FROM HEAT, SPARKS AND OPEN FLAME. KEEP CONTAINER
TIGHTLY CLOSED UNTIL READY FOR USE.

INCOMPATIBLE PRODUCTS: REFER TO SECTION 10.

FOR INFORMATION ON PRODUCT SHELF LIFE CONTACT HENKEL CUSTOMER SERVICE AT
(800) 243-4874.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:
NO SPECIFIC VENTILATION REQUIREMENTS NOTED, BUT FORCED VENTILATION MAY STILL
BE REQUIRED IF CONCENTRATIONS EXCEED OCCUPATIONAL EXPOSURE LIMITS.

RESPIRATORY PROTECTION:
USE NIOSH APPROVED RESPIRATOR IF THERE IS POTENTIAL TO EXCEED EXPOSURE LIMIT(S).

SKIN PROTECTION:
USE IMPERMEABLE GLOVES AND PROTECTIVE CLOTHING AS NECESSARY TO PREVENT SKIN
CONTACT. NEOPRENE GLOVES. BUTYL RUBBER GLOVES. NATURAL RUBBER GLOVES.

EYE/FACE PROTECTION: SAFETY GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

SEE SECTION 2 FOR EXPOSURE LIMITS.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: LIQUID

COLOR: BLUE

ODOR: MILD

VAPOR PRESSURE: LESS THAN 5 MMHg AT 27 DEG. C (80 DEG. F)

pH: NOT APPLICABLE

BOILING POINT/RANGE: GREATER THAN 149 DEG. C (300 DEG. F)

MELTING POINT/RANGE: NOT AVAILABLE

SPECIFIC GRAVITY: 1.1 AT 23.9 DEG. C (75 DEG. F)

VAPOR DENSITY: NOT AVAILABLE

EVAPORATION RATE: NOT AVAILABLE

SOLUBILITY IN WATER: SLIGHT

PARTITION COEFFICIENT (n-OCTANOL/WATER): NOT AVAILABLE

VOC CONTENT: 4.48%; 49.3 GRAMS/LITER (EPA METHOD 24)

10. STABILITY AND REACTIVITY

STABILITY: STABLE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS:
OXIDES OF CARBON. OXIDES OF SULFUR. OXIDES OF NITROGEN. IRRITATING ORGANIC
VAPORS.

INCOMPATABILITY:
STRONG OXIDIZERS. FREE RADICAL INITIATORS. STRONG REDUCING AGENTS. ALKALIS.
OXYGEN SCAVENGERS. OTHER POLYMERIZATION INITIATORS. COPPER. IRON. ZINC. ALUMINUM. RUST.

CONDITIONS TO AVOID:
SEE "HANDLING AND STORAGE" (SECTION 7) AND "INCOMPATABILTY" (SECTION 10).

11. TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY DATA:
ACUTE ORAL LD50: GREATER THAN 10,000 MG/KG (RAT).
ACUTE DERMAL LD50: GREATER THAN 5000 MG/KG (RABBIT).

CARCINOGEN STATUS:

HAZARDOUS COMPONENTS	NTP CARCINOGEN	IARC CARCINOGEN	OSHA CARCINOGEN
POLYGLYCOL DIMETHACRYLATE 25852-47-5	NO	NO	NO
POLYGLYCOL OLEATE 9004-96-0	NO	NO	NO
SACCHARIN 81-07-2	NO	NO	NO

SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE 112945-52-5	NO	NO	NO
CUMENE HYDROPEROXIDE 80-15-9	NO	NO	NO
PROPYLENE GLYCOL 57-55-6	NO	NO	NO

LITERATURE REFERENCED TARGET ORGAN & OTHER HEALTH EFFECTS:

HAZARDOUS COMPONENTS	HEALTH EFFECTS TARGET ORGANS
POLYGLYCOL DIMETHACRYLATE 25852-47-5	ALLERGEN, IRRITANT
POLYGLYCOL OLEATE 9004-96-0	IRRITANT
SACCHARIN 81-07-2	NO TARGET ORGANS
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE 112945-52-5	NUISANCE DUST
CUMENE HYDROPEROXIDE 80-15-9	ALLERGEN, CENTRAL NERVOUS SYSTEM, CORROSIVE, IRRITANT, MUTAGEN
PROPYLENE GLYCOL 57-55-6	IRRITANT

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NOT AVAILABLE

13. DISPOSAL CONSIDERATIONS

INFORMATION PROVIDED IS FOR UNUSED PRODUCT ONLY.

RECOMMENDED METHOD OF DISPOSAL:
DISPOSE OF ACCORDING TO FEDERAL, STATE AND LOCAL GOVERNMENTAL REGULATIONS.

EPA HAZARDOUS WASTE NUMBER: NOT A RCRA HAZARDOUS WASTE.

14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION GROUND (49 CFR):

PROPER SHIPPING NAME: UNRESTRICTED
HAZARD CLASS OR DIVISION: NONE
IDENTIFICATION NUMBER: NONE
PACKING GROUP: NONE

INTERNATIONAL AIR TRANSPORTATION (ICAO/IATA):
PROPER SHIPPING NAME: UNRESTRICTED
HAZARD CLASS OR DIVISION: NONE
IDENTIFICATION NUMBER: NONE
PACKING GROUP: NONE

WATER TRANSPORTATION (IMO/IMDG):
PROPER SHIPPING NAME: UNRESTRICTED
HAZARD CLASS OR DIVISION: NONE
IDENTIFICATION NUMBER: NONE
PACKING GROUP: NONE
MARINE POLLUTANT: 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: 4-METHOXYPHENOL (150-76-5).

CERCLA/SARA SECTION 302 EHS: NONE ABOVE REPORTING DE MINIMUS.

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

CERCLA/SARA 313:
THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING
REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 (40 CFR 372). CUMENE HYDROPEROXIDE (CAS# 80-15-9).

CALIFORNIA PROPOSITION 65:
THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE
CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

CANADA REGULATORY INFORMATION:

CEPA DSL/NDSL STATUS:
ALL COMPONENTS ARE LISTED ON OR ARE EXEMPT FROM LISTING ON THE DOMESTIC SUBSTANCES LIST.

WHMIS HAZARD CLASS: D.2.B

16. OTHER INFORMATION

THIS MATERIAL SAFETY DATA SHEET CONTAINS CHANGES FROM THE PREVIOUS VERSION
IN SECTIONS: 15

PREPARED BY:
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