

ITEM: 4KM30 - Retaining Compound

ADHESIVE SECTION

PICK REQ: 1014076750

MATERIAL SAFETY DATA SHEET (MSDS)

MSDS: A7166

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - A7166

Associated Grainger Item: 4KM30 - Retaining Compound

MATERIAL SAFETY DATA SHEET

LOCTITE (R*)

HENKEL TECHNOLOGIES

REVISION DATE: 11/10/2003

ISSUE DATE: 11/10/2003

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: LOCTITE (R) 609 RETAINING COMPOUND PRESS FIT

ITEM NUMBER: 60941

PRODUCT TYPE: ANAEROBIC ADHESIVE

REGION: UNITED STATES

COMPANY ADDRESS:
HENKEL LOCTITE 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	60-100	NONE	NONE	
HYDROXYALKYL METHACRYLATE 868-77-9	10-30	NONE	NONE	3 PPM (CEILING)
CUMENE HYDROPEROXIDE 80-15-9	1-5	NONE	NONE	1 PPM (6 MG/M3) SKIN (WHEEL)

3. HAZARDS IDENTIFICATION

ENVIRONMENTAL OVERVIEW:

PHYSICAL STATE: LIQUID

COLOR: GREEN

ODOR: MILD

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

WARNING:
CAUSES EYE AND SKIN IRRITATION.
MAY CAUSE ALLERGIC SKIN REACTION.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF SWALLOWED.

RELEVANT ROUTES OF EXPOSURE: SKIN, INHALATION, EYES

POTENTIAL HEALTH EFFECTS:
INHALATION: MAY CAUSE RESPIRATORY TRACT IRRITATION.
SKIN CONTACT: MODERATE SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION.
EYE CONTACT: CONTACT WITH EYES WILL CAUSE IRRITATION.
INGESTION: MAY BE HARMFUL IF SWALLOWED.

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. FIRE-FIGHTING MEASURES

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

AUTOIGNITION TEMPERATURE: NOT AVAILABLE

FLAMMABLE/EXPLOSIVE LIMITS-LOWER %: NOT AVAILABLE
FLAMMABLE/EXPLOSIVE LIMITS-UPPER %: NOT AVAILABLE

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.

STORAGE: FOR SAFE STORAGE, STORE AT OR BELOW 38 DEG. C (100 DEG. F).

INCOMPATIBLE PRODUCTS: REFER TO SECTION 10.

FOR INFORMATION ON PRODUCT SHELF LIFE CONTACT HENKEL LOCTITE 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. GLOVE RECOMMENDATIONS ARE BASED UPON PERMEATION STUDY RESULTS FOR SIMILAR PRODUCTS.

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: GREEN

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

VAPOR DENSITY: NOT AVAILABLE

EVAPORATION RATE: NOT AVAILABLE

SOLUBILITY IN WATER: SLIGHT

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

VOC CONTENT: 34.0%; 374 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.

INCOMPATIBILITY: STRONG OXIDIZERS.

CONDITIONS TO AVOID:
SEE "HANDLING AND STORAGE" (SECTION 7) AND "INCOMPATIBILITY" (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) (ESTIMATED).

CARCINOGEN STATUS:

HAZARDOUS COMPONENTS NTP CARCINOGEN IARC CARCINOGEN OSHA CARCINOGEN

POLYGLYCOL DIMETHACRYLATE NO NO NO
HYDROXYALKYL METHACRYLATE NO NO NO
CUMENE HYDROPEROXIDE NO NO NO

LITERATURE REFERENCED TARGET ORGAN & OTHER HEALTH EFFECTS:

HAZARDOUS COMPONENTS	HEALTH EFFECTS/TARGET ORGANS
PC POLYGLYCOL DIMETHACRYLATE	ALLERGEN, IRRITANT
HYDROXYALKYL METHACRYLATE	ALLERGEN, IRRITANT
CUMENE HYDROPEROXIDE	ALLERGEN, CENTRAL NERVOUS SYSTEM, CORROSIVE, IRRITANT, MUTAGEN

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 136 (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

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, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.
o-TOLUIDINE (CAS# 95-53-4). C.I. SOLVENT YELLOW 14 (CAS# 842-07-9).
ETHYLENE OXIDE (CAS# 75-21-8).

CANADA REGULATORY INFORMATION:

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

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

16. OTHER INFORMATION

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

PREPARED BY: STEPHEN REPETTO, SENIOR HEALTH & REGULATORY AFFAIRS SPECIALIST

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