

ORDER NO: 4426763 RELEASE NO: 001 MSDS NO: 005755

BARNES DISTRIBUTION

Synonyms: 22312 51831
LOCTITE(R*)

MATERIAL SAFETY DATA SHEET

HENKEL TECHNOLOGIES

REVISION DATE: 03/01/2011

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

PRODUCT NAME: GASKET ELIMINATOR(R*) 518 SEALANT

PRODUCT TYPE: ANAEROBIC ADHESIVE

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

ITEM NO.: 51831 / IDH NO. 135481

REGION: UNITED STATES

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
POLYURETHANE METHACRYLATE RESIN UNKNOWN	60-100	NONE	NONE	NONE
POLYGLYCOL DIMETHACRYLATE 25852-47-5	5-10	NONE	NONE	NONE
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE 112945-52-5	5-10	10 MG/M3 TWA INHALABLE 3 MG/M3 TWA RESPIRABLE	6 MG/M3 TWA	NONE
ACRYLIC ACID 79-10-7	1-5	2 PPM TWA (SKIN)	10 PPM TWA; 30 MG/M3	1 PPM TWA (SKIN); 3 PPM STEL (SKIN)
CUMENE HYDROPEROXIDE	1-5	NONE	NONE	1 PPM

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80-15-9

(6 MG/M3)
SKIN (WEEL)

ETHYLENE GLYCOL 107-21-1	1-5	100 MG/M3 CEILING	NONE	NONE
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1-ACETYL-2-PHENYLHYDRAZINE 114-83-0	0.1-1	NONE	NONE	NONE
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-----3. HAZARDS IDENTIFICATION -----

EMERGENCY OVERVIEW:

HMIS:

HEALTH 2*

FLAMMABILITY 1

PHYSICAL HAZARD 1

PERSONAL PROTECTION SEE SECTION 8

PHYSICAL STATE: GEL

COLOR: RED

ODOR: MILD

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 IRRITATION TO NOSE AND THROAT.

SKIN CONTACT: IRRITATING TO SKIN. MAY CAUSE ALLERGIC SKIN REACTION.

EYE CONTACT: VAPORS MAY IRRITATE EYES. CONTACT WITH EYES WILL CAUSE IRRITATION.

INGESTION: MAY CAUSE GASTROINTESTINAL TRACT IRRITATION IF SWALLOWED.

EXISTING CONDITIONS AGGRAVATED BY EXPOSURE:

EYE, SKIN, AND RESPIRATORY DISORDERS.

ACRYLIC ACID: RESPIRATORY DISORDERS. LUNG DISEASE.

SEE SECTION 11 FOR ADDITIONAL TOXICOLOGICAL INFORMATION.

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

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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 100 DEG. C (212 DEG. F) TAGLIABUE CLOSED CUP

AUTOIGNITION TEMPERATURE: NOT AVAILABLE

FLAMMABLE/EXPLOSIVE LIMITS-LOWER %: 2.0 % (ACRYLIC ACID)

FLAMMABLE/EXPLOSIVE LIMITS-UPPER %: 8.0 % (ACRYLIC ACID)

EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL OR CARBON DIOXIDE.

SPECIAL FIRE FIGHTING 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. 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:

ENSURE ADEQUATE VENTILATION. 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.

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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:

USE LOCAL EXHAUST VENTILATION TO MAINTAIN AIRBORNE CONCENTRATIONS BELOW ESTABLISHED 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: GEL

COLOR: RED

ODOR: MILD

VAPOR PRESSURE: LESS THAN 10 MM Hg 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 26.6 DEG. C (80 DEG. F)

VAPOR DENSITY: NOT AVAILABLE

EVAPORATION RATE: NOT AVAILABLE

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SOLUBILITY IN WATER: SLIGHT

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

VOC CONTENT:

< 4%

19.44 GRAMS/LITER

.....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. PHENOLS.

INCOMPATABILITY:

STRONG OXIDIZERS. IRON. RUST. ALUMINUM. COPPER. ZINC. STRONG ALKALIS. OXYGEN SCAVENGERS. ALDEHYDES. FREE RADICAL INITIATORS. REDUCING AGENTS. ACIDS AND BASES.

CONDITIONS TO AVOID:

SEE "HANDLING AND STORAGE" (SECTION 7) AND "INCOMPATABILITY" (SECTION 10).

.....11. TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY DATA:

ACUTE LD50 (ORAL):

GREATER THAN 5000 (RAT). (ESTIMATED). ACUTE DERMAL LD50 GREATER THAN 2000 MG/KG (RABBIT) (ESTIMATED).

CARCINOGEN STATUS:

HAZARDOUS COMPONENTS	NTP CARCINOGEN	IARC CARCINOGEN	OSHA CARCINOGEN
POLYURETHANE METHACRYLATE RESIN UNKNOWN	NO	NO	NO
POLYGLYCOL DIMETHACRYLATE 25852-47-5	NO	NO	NO
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE 112945-52-5	NO	NO	NO
ACRYLIC ACID	NO	NO	NO

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79-10-7

CUMENE HYDROPEROXIDE 80-15-9	NO	NO	NO
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ETHYLENE GLYCOL 107-21-1	NO	NO	NO
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1-ACETYL-2-PHENYLHYDRAZINE 114-83-0	NO	NO	NO
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LITERATURE REFERENCED TARGET ORGAN & OTHER HEALTH EFFECTS:

HAZARDOUS COMPONENTS

HEALTH EFFECTS/TARGET ORGANS

POLYURETHANE METHACRYLATE RESIN UNKNOWN	ALLERGEN, IRRITANT
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POLYGLYCOL DIMETHACRYLATE 25852-47-5	ALLERGEN, IRRITANT
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SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE 112945-52-5	NUISANCE DUST
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ACRYLIC ACID 79-10-7	ALLERGEN, CORROSIVE, IRRITANT, KIDNEY, LIVER
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CUMENE HYDROPEROXIDE 80-15-9	ALLERGEN, CENTRAL NERVOUS SYSTEM, CORROSIVE, IRRITANT, MUTAGEN
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ETHYLENE GLYCOL 107-21-1	BLOOD, BONE MARROW, CENTRAL NERVOUS SYSTEM, DEVELOPMENTAL, EYES, IRRITANT, KIDNEY, LIVER, METABOLIC
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1-ACETYL-2-PHENYLHYDRAZINE 114-83-0	ALLERGEN, BLOOD, KIDNEY, MUTAGEN, SOME EVIDENCE OF CARCINOGENICITY
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-----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.

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-----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: 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). ACRYLIC ACID (CAS# 79-10-7). ETHYLENE GLYCOL (CAS# 107-21-1).

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO 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 DOMESTIC SUBSTANCES LIST.

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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:

2, 15

PREPARED BY: REGULATORY AFFAIRS

DISCLAIMER:

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