

# General Motors Corporation Material Safety Data Sheet

September, 1999

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**SECTION 01: CHEMICAL PRODUCT & COMPANY ID**TRADENAME: **GASKET MAKER**

1052942

1052943

MSDS SIGNED BY TITLE: RESEARCH CHEMIST, ENVIRONMENTAL HEALTH &amp; SAFETY

SAFE USE CATEGORY AND DESCRIPTION: 06 -ADHESIVES, SEALERS - GENERAL

MSDS CREATE DATE: 1983-01-01

LAST UPDATED DATE: 1997-04-13

MANUFACTURER'S ID (MID): 000522786

MANUFACTURER'S NAME: LOCTITE CORP

MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 660-571-5100

MANUFACTURER'S MAILING ADDRESS:

1001 TROUT BROOK CROSSING

ALSO SEE QMBA #502992 (PERMATEX)

ROCKY HILL CT 06067-3910

US

**SECTION 1 - OTHER INFORMATION:**

PRODUCT TYPE: ANAEROBIC SECTION 02: COMPOSITION &amp; INGREDIENT INFO

CAS#	FORMULATION	W/W	CHEMICAL NAME
000078107	R 5.0000/7.0000%	W	ACRYLIC ACID
000080159	R 1.0000/3.0000%	W	HYDROPEROXIDE, alpha.alpha.-DIMETHYL BENZYL-
000081072	R 0.1000/1.0000%	W	1,2-BENZISOTHIAZOLIN-3-ONE, 1,1-DI OXIDE
000107211	R 1.0000/3.0000%	W	ETHYLENE GLYCOL
000114830	R 0.1000/1.0000%	W	ACETIC ACID, 2-PHENYLHYDRAZIDE
025852475	R 5.0000/10.0000%	W	Poly(oxy-1,2-ethanediyl), alpha-(2-methyl-1-methyl-2-propenyl)-, amide, n(2-methyl-1-oxo-2-propenyl)oxy, E-
112945525	R 5.0000/10.0000%	W	SILICA, AMORPHOUS FUMED
989949702	R 70.0000/75.0000%	W	POLYURETHANE METHACRYLATE

**SECTION 2 - OTHER INFORMATION:**

EXPOSURE LIMITS: OTHER: 112945525: 3 MG/M3 TWA RESP. DUST // 79107: 1 PPM TWA SKIN; 3 PPM STEL SKIN // 107211: NONE

THRESHOLD LIMIT VALUE: ACGIH (TLV): 112945525: 10 MG/M3 TWA // 79107: 2 PPM TWA SKIN; 5.9 MG/M3 SKIN // 107211: NONE; 39.4 PPM CEILING AIR (STEL); 100 MG/M3 CEILING A (STEL)

PERMISSIBLE EXPOSURE LIMIT: OSHA (PEL): 112945525: 8 MG/M3 TWA // 79107: 10 PPM TWA SKIN; 30 MG/M3 SKIN // 107211: 50 PPM CEILING; 125 MG/M3 CEILING; (STEL) NONE.

**SECTION 03: HAZARDS IDENTIFICATION**

PRIMARY ROUTES OF ENTRY TEXT: NONE KNOWN

EFFECTS OF OVEREXPOSURE: IRRITATION OF EYES, SKIN, NOSE OR THROAT. MAY CAUSE DERMATITIS ON PROLONGED CONTACT IN SENSITIVE INDIVIDUALS. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: ACRYLIC ACID; UPPER RESPIRATORY AND LUNG DISEASES.

ADDITIONAL HEALTH HAZARD DATA: TARGET ORGANS AND OTHER HEALTH EFFECTS: 989949702: NO DATA // 25852475: ALLERGEN, IRRITANT // 112945525: NUISANCE DUST // 79107: ACGIH - UNCLASSIFIABLE AS HUMAN CARCINOGEN, ALLERGEN, CORROSIVE, IRRITANT // 80159: ALLERGEN, CENTRAL NERVOUS SYSTEM, COHUSIVE, IRRITANT, MUTAGEN // 107211: ACGIH - UNCLASSIFIABLE AS HUMAN CARCINOGEN, CENTRAL NERVOUS SYSTEM, DEVELOPMENTAL, IRRITANT, KIDNEY, METABOLIC // 114830: ALLERGEN // 81072: NO DATA

**SECTION 04: FIRST AID MEASURES**

EMERGENCY FIRST AID PROCEDURES - SKIN: WASH THOROUGHLY WITH SOAP AND WATER.

EMERGENCY FIRST AID PROCEDURES - EYES: FLUSH AT LEAST 15 MINUTES WITH WATER. OBTAIN MEDICAL ATTENTION.

EMERGENCY FIRST AID PROCEDURES - INHALATION: REMOVE TO FRESH AIR, IF SYMPTOMS PERSIST, OBTAIN MEDICAL ATTENTION.

EMERGENCY FIRST AID PROCEDURES - INGESTION: DO NOT INDUCE VOMITING. KEEP INDIVIDUAL CALM. OBTAIN MEDICAL ATTENTION.

**SECTION 05: FIRE-FIGHTING MEASURES**

FLAMMABLE LEL: = 2.00

FLAMMABLE UEL: = 9.00

EXTINGUISHING MEDIA: CARBON DIOXIDE, FOAM, DRY CHEMICAL

SPECIAL FIRE FIGHTING PROCEDURES: NOT AVAILABLE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

HMIS CODES:

HMIS REACTIVITY CODE = 1

HMIS HEALTH CODE = 2

HMIS FLAMMABILITY CODE = 1

NFPA CODES:

NFPA FLAMMABILITY CODE = 1

NFPA HEALTH CODE = 2

NFPA REACTIVITY CODE = 1

NFPA SPECIAL HAZARD TEXT: DOES NOT APPLY

FLASH POINT TEMPS: &gt; 200.00F

FLASH POINT METHOD: TCC

**SECTION 5 - OTHER INFORMATION:**

HAZARDOUS PRODUCTS FORMED BY FIRE OR THERMAL DECOMP: IRRITATING ORGANIC VAPORS // EXPLOSIVE LIMITS: LOWER % BY VOLUME IN AIR ACRYLIC ACID, UPPER % BY VOLUME IN AIR ACRYLIC ACID // ESTIMATED HMIS(R) CODE: PERSONAL PROTECTION: SEE HEREIN.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

SPILL OR LEAK PROCEDURES: SCRAPE UP AS MUCH AS POSSIBLE AND STORE IN A PARTLY FILLED, CLOSED CONTAINER UNTIL DISPOSAL. RESIDUES MAY BE CLEANED UP WITH SOLVENT.

**SECTION 07: HANDLING AND STORAGE**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: SAFE STORAGE: STORE BELOW 100 LH; F // CONTACT LOCTITE CUSTOMER SERVICE 1-800-243-1874 FOR SHELF LIFE INFORMATION // HANDLING: AVOID SKIN AND EYE CONTACT, AVOID BREATHING VAPOR

**SECTION 08: EXPOSURE CONTROLS - PROTECTION**

EYE PROTECTION: SAFETY GLASSES OR GOGGLES

RESPIRATORY PROTECTION: NOT AVAILABLE // SEE HEREIN FOR EXPOSURE LIMITS

VENTILATION: SUFFICIENT TO MAINTAIN VAPOR CONCENTRATION BELOW TLV

PROTECTIVE GLOVES (SPECIFY TYPE): RUBBER OR PLASTIC GLOVES

**SECTION 09: PHYSICAL & CHEMICAL PROPERTIES**

THEORETICAL VOC WITHOUT WATER: (EPA METHOD 24): 13.0%; 143 GRAMS PER LITER

BOILING POINT TEMPS: &gt; 300.00F

SPECIFIC GRAVITY VALUES: = 1.1000

SPECIFIC GRAVITY TEXT: AT 80 F

VAPOR DENSITY TEXT: NOT AVAILABLE

VAPOR PRESSURE VALUES/101kPa: &lt; 5.0000

VAPOR PRESSURE TEXT: MM AT 80 F

EVAPORATION RATE TEXT: (ETHER = 1) NOT AVAILABLE

SOLUBILITY IN WATER TEXT: LOW

PH OF PRODUCT AS RECEIVED (NEAT)/TEXT: DOES NOT APPLY

APPEARANCE: RED GEL

ODOR: MILD

PHYSICAL STATE: GEL

**SECTION 10: STABILITY & REACTIVITY**

STABILITY INDICATOR: Y

STABILITY - CONDITIONS TO AVOID: NOT AVAILABLE

STABILITY - TEXT: STABLE

INCOMPATIBLE MATERIALS: NONE

HAZARDOUS DECOMPOSITION PRODUCTS: (NON-THERMAL): NONE

HAZARDOUS POLYMERIZATION INDICATOR: N

HAZARDOUS POLYMERIZATION TEXT: WILL NOT OCCUR.

**SECTION 11: TOXICOLOGICAL INFORMATION**

TOXICOLOGICAL DATA UNLIMITED TEXT: LIQUID IS AN A EYE AND SKIN IRRITANT. VAPORS MAY IRRITATE EYE, NOSE AND THROAT.

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SKIN EFFECTS: ESTIMATED DERMAL LD50 MORE THAN 2000 MG/KG  
ACUTE ORAL EFFECTS: ESTIMATED ORAL LD50 MORE THAN 5000 MG/KG  
CARCINOGENICITY: NOT LISTED AS A CARCINOGEN BY NTP, IARC, OSHA:  
989949722, 25852475, 80159, 107211, 114830 // NOT LISTED AS A CAR-  
CINOGEN BY NTP AND OSHA: 112945525, 79107 // LISTED BY IARC AS NOT  
APPLICABLE: 112945525, 79107 // 81072: LISTED AS A CARCINOGEN BY  
NTP, LISTED BY IARC AS 2B, NOT LISTED AS A CARCINOGEN BY OSHA.

**SECTION 12: ECOLOGICAL INFORMATION**

ECOLOGICAL INFORMATION: NO DATA AVAILABLE

**SECTION 13: DISPOSAL CONSIDERATIONS**WASTE DISPOSAL METHOD: RECOMMENDED METHODS OF DISPOSAL: INCIN-  
ERATE FOLLOWING EPA AND LOCAL REGULATIONS.**SECTION 14: TRANSPORT INFORMATION**DOT INFORMATION: IDENTIFICATION NUMBER: NONE // MARINE POLLUTANT:  
NONE

SHIPPING NAME: UNRESTRICTED

HAZARD CLASS: UNRESTRICTED

**SECTION 14 - OTHER INFORMATION:**IATA PROPER SHIPPING NAME: UNRESTRICTED // CLASS OR DIVISION: UNRE-  
STRICTED // UN OR ID NUMBER: NONE**SECTION 15: REGULATORY INFORMATION****SECTION 15 - OTHER INFORMATION:**THIS COMPONENT IS LISTED AS A SARA SECTION 213 TOXIC CHEMICAL:  
79107, 80159, 107211. // EPA HAZARDOUSWASTE NUMBER: NH - NOT A RCRA HAZARDOUS WASTE MATERIAL // CA  
PROPOSITION 65: WARNING: THIS PRODUCT CONTAINS CHEMICALS  
KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH  
DEFECTS OR OTHER REPRODUCTIVE HARM. THIS PRODUCT CONTAINS  
SACCHARIN, NO PROP 65 HAZARD WARNING IS NECESSARY IF THIS PROD-  
UCT IS USED AS REASONABLY ANTICIPATED.