

GE SILICONES -- SILICONE RUBBER SEALANT, RTV102 -- 8040-00-225-4548

===== Product Identification =====

Product ID:SILICONE RUBBER SEALANT, RTV102

MSDS Date:02/05/1999

FSC:8040

NIIN:00-225-4548

Status Code:A

MSDS Number: CJPLF

=== Responsible Party ===

Company Name:GE SILICONES

Address:260 HUDSON RIVER ROAD

City:WATERFORD

State:NY

ZIP:12188

Country:US

Info Phone Num:518-237-3330

Emergency Phone Nu

m:518-237-3330

Preparer's Name:C.E. HANNIGAN

CAGE:01139

=== Contractor Identification ===

Company Name:GENERAL ELECTRIC CO, SILICONE PRODUCTS BUSINESS DEPT

Address:260 HUDSON RIVER RD

Box:City:WATERFORD

State:NY

ZIP:12188

Country:US

Phone:518-237-3330/800-332-3390

CAGE:01139

===== Composition/Information on Ingredients =====

Ingr Name:PART A CONSISTS OF CAS #'S 4253-34-3 & 556-67-2 AND PART B  
CONSISTS OF CAS #'S 70131-67-8, 68554-67-6, 68611-44-9 &  
63148-62-9.

Ingr

ed Name:METHYLTRIACTOXYLSILANE. LD50:(ORAL,RAT) 2,060 MG/KG. (PART A)

CAS:4253-34-3

RTECS #:VV4500000

Minumum % Wt:1.

Maxumum % Wt:5.

OSHA PEL:10 PPM (RDUST)

ACGIH TLV:10 PPM (RDUST)

Ingred Name:OCTAMETHYLCYCLOTETRASILOXANE. LD50:(ORAL,RAT) >64,000 MG/KG. (PART A)

CAS:556-67-2

RTECS #:GZ4397000

Minumum % Wt:1.

Maxumum % Wt:5.

ACGIH TLV:5 PPM

Ingred Name:SILOXANES AND SILICONES DI-ME, HYDROXY-TERMINATED 42% IN DIMETHYL HYDROLYZATE; (POLYDIMETHYLSILOXANE SILANOL/STPD).

LD50:(ORAL ,RAT) >40,000 MG/KG. (PART B)

CAS:70131-67-8

Minumum % Wt:60.

Maxumum % Wt:80.

Ingred Name:SILANOL/STPD SILOXANE W/ME SILSESQUIOXANES. LD50:(ORAL,RAT) >40,000 MG/KG (EST). (PART B)

CAS:68554-67-6

Minumum % Wt:5.

Maxumum % Wt:10.

Ingred Name:TREATED FUMED SILICA. LD50:(ORAL,RAT) >10,000 MG/KG. (PART B)

CAS:68611-44-9

Minumum % Wt:10.

Maxumum % Wt:30.

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

Ingred Name:DIMETHYLPOLYSILOXANES. LD50:(ORAL,RAT) 20,000 MG/KG.

CAS:63148-62-9

RTECS #:JT6484500

Mi

numum % Wt:1.

Maxumum % Wt:5.

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===== Hazards Identification =====  
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LD50 LC50 Mixture:SEE INGREDIENTS AND TOX INFO

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: INGESTION: MAY BE HARMFUL IF SWALLOWED. SKIN CONTACT: UNCURED PRODUCT CONTACT WILL IRRITATE LIPS, GUMS AND TONGUE. UNCURED PRODUCT CONTACT MAY IRRITATE SKIN. INHALATION: CAUSES IRRITATION OF THE MOUTH, NOSE AND THROAT.

APPLIES ONLY IN UNCURED STATE. EYE CONTACT: UNCURED PRODUCT CONTACT IRRITATES EYES. CHRONIC (TARGET ORGAN EFFECTS): REPRODUCTIVE DISORDERS. MAY CAUSE LIVER EFFECTS.

Explanation of Carcinogenicity:THIS PRODUCT OR ONE OF ITS INGREDIENTS PRESENT 0.1% OR MORE IS NOT LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN BY NTP, IARC OR OSHA.

Medical Cond Aggravated by Exposure:

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===== First Aid Measures =====  
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First Aid:

INGESTION: RINSE MOUTH WITH WATER SEVERAL TIMES. SKIN: REMOVE COMPLETELY WITH A DRY CLOTH OR PAPER TOWEL, BEFORE WASHING WITH DETERGENT AND WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALATION: MOVE PERSON TO FRESH AIR. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION IF IRRITATION PERSISTS. NOTE TO MD: NONE KNOWN.

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===== Fire Fighting Measures =====  
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Extinguishing Media:ALL STANDARD FIRE FIGHTING MEDIA.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Unusual Fire/Explosion Hazard:HAZARD RATING SYSTEMS: HMIS/NFPA: FLAMMABILITY - 0; REACTIVITY - 0; HEALTH - 2. SENSITIVITY TO MECHANICAL IMPACT: NO. SENSITIVITY TO STATIC DISCHARGE: NOT EXPECTED.

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===== Accidental Release Measures =====  
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Spill Release Procedures:WIPE, SCRAPE OR SOAK UP IN AN INERT MATERIAL AND PUT IN A CONTAINER FOR DISPOSAL. WASH WALL

KING SURFACES WITH

DETERGENT AND WATER TO REDUCE SLIPPING HAZARD. WEAR PROPER PROTECTIVE EQUIPMENT AS SPECIFIED IN THIS MSDS.

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===== Handling and Storage =====

Handling and Storage Precautions: KEEP CONTAINER CLOSED WHEN NOT IN USE. AVOID CONTACT WITH SKIN & EYES. CAUTION! REMOVE CONTACT LENSES BEFORE USING SEALANT. DO NOT HANDLE LENSES UNTIL ALL SEALANT HAS BEEN CLEANED FROM FINGERTIPS, NAILS & CUTICLES. RESIDUAL SEALANT MAY REMAIN ON FINGERS FOR SEVERAL DAYS & TRANSFER TO LENSES & CAUSE SEVERE EYE IRRITATION.

Other Precautions: PRODUCT RELEASES ACETIC ACID DURING APPLICATION AND CURING. USE MECHANICAL VENTILATION TO STAY BELOW TLV OF 10 PPM ACETIC ACID. USE IN A WELL VENTILATED AREA TO PREVENT IRRITATION BY VAPORS. REFER TO OTHER MSDS SECTIONS FOR DETAILED INFORMATION.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection: USE IN WELL VENTILATED AREA. USE NIOSH APPROVED RESPIRATORY PROTECTIVE EQUIPMENT IF TLV EXCEEDED OR OVEREXPOSURE IS LIKELY.

Ventilation: USE ONLY IN WELL VENTILATED AREA.

Protective Gloves: CLOTH GLOVES.

Eye Protection: ANSI APPROVED CHEMICAL WORKERS GOGGLES.

Other Protective Equipment: ANSI APPROVED EYE WASH & DELUGE SHOWER.

Work Hygienic Practices: GOOD HYGIENIC PRACTICES SHOULD BE OBSERVED.

WORK CLOTHES SHOULD BE WASHED SEPARATELY AT THE END OF EACH WORK DAY. DISPOSABLE CLOTHING SHOULD BE DISCARDED WITH MATERIAL.

Supplemental Safety and Health

PHYSICAL DATA: ODOR THRESHOLD: UNK. DENSITY: 1060 KG/M3.

ACID/ALKALINITY: UNK. VOC: 535 MG/L.

SILANOL/STPD SILOXANE W/ME SILSQUXNS: LD50(DERMAL): NONE FOUND; LC50:(INHAL) >535 MG/L (EST). TREATED FUMED SILICA: LD50(DERMAL) & LC50(INHAL): N/A. DIMETHYLPOLYSILOXANE: LD50(DERMAL) & LC50(INHAL): NONE. TREATED FOR ACUTE ORAL LD50. OTHER: ACETIC ACID RELEASES DURING CURING. OCTAMETHYLCYCLOTETRASILOXANE: INGEST: RODENTS GIVEN LG DOSES VIA ORAL GAVAGE (OTHER INFO)

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===== Ecological Info =====

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Ecological:ECOTOXICOLOGICAL INFO & CHEM FATE INFO:NO DATA AT THIS TIME.  
-- OTHER INFO:TYPICAL OF INDUS USAGE (5-10 PPM) SHOWED NO TOX EFTS  
IN RODENTS. RANGE FINDING REPRO STUDIES WERE CONDUCTED (WHOLE BODY  
INHAL , 70 DAYS PRIOR TO MATING, THRU MATING,GESTATION & LACTATION)  
W/OCTAMETHYLCYCLOTETRASIOXANE (D4). RATS WERE EXPOS TO 70 & 700  
PPM. IN 700 PPM GRP, THERE WAS "STATISTICALLY SIGNIFICANT REDUCTION  
IN ME AN LITTER SIZE & IN IMPLANTATIO  
N SITES. NO D4 RELATED  
CLINICAL SIGNS WERE OBSERVED IN PUPS & NO EXPOS RELATED  
PATHOLOGICAL FINDINGS WERE FOUND. INTERIM RSLTS FROM 2 GENERATION  
REPRO STUDY IN RATS EXPO S TO 500 & 700 PPM D4 (TRANSPORT INFO)

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSAL SHOULD BE MADE I/A/W FEDERAL, STATE AND  
LOCAL REGULATIONS. BURY IN A LICENSED LANDFILL OR BURN IN AN  
APPROVED INCINERATOR ACCORDING TO FEDERAL, STATE AND LOCAL  
REGUL  
ATIONS.

===== MSDS Transport Information =====

Transport Information:DOT SHIPPING NAME:NONE. DOT HAZ CLASS:NOT  
REGULATED. DOT LBL(S): NONE. UN/NA NUMBER: NONE. PLACARDS: NONE.  
IATA: NA. IMO IMDG-CODE: NONE. EMS NO: NA. EUROPEAN CLASS: RID  
(OCTI): NONE; ADR (ECE): NONE; RAR (IATA): NONE. -- ECOLOGICAL  
INFO:(WHOLE BODY INHAL, 70 DAYS PRIOR TO MATING, THRU MATING,  
GESTATION & LACTATION) RESULTED IN STATISTICALLY SIGNIFICANT DECR  
IN LIVE MEAN  
LITTER SIZE AS WELL AS EXT ENDED PERIODS OF OFFSPRING  
DELIVERY (DYSTOCIA). THESE RSLTS WERE NOT OBSERVEDAT 70 & 300 PPM  
DOSING LEVELS. RELEVANCE OF THESE DATA TO HUMANS IS UNCLEAR.  
FURTHER STUDIES ARE ONGOING. IN DEVEL TOX STUD IES, RATS & RABBITS  
(SARA TITLE III)

===== Regulatory Information =====

SARA Title III Information:SARA SECTION 302: NONE FOUND. SARA (311,  
312) HAZ CLASS: ACUTE HLTH HAZ, CHRONIC HLTH HAZ. SARA (313) CHEMS:  
NONE

. -- TRANSPORT INFO:WERE EXPOS AT CONCS UP TO 700 PPM & 500 PPM RESPECTIVELY. NO TERATO GENIC EFTS (BIRTH DEFECTS) WERE OBSERVED IN EITHER STUDY. THIS PROD CONTAINS METHYLPOLYSILOXANES WHICH CAN GENERATE FORMALDEHYDE AT APPROX 300F (150C) & ABOVE, IN ATMS WHICH CONTAIN OXYGEN. FORMALDEHYD E IS A SKIN & RESP SENSITIZER, EYE & THROAT IRRIT, ACUTE TOXICANT & POTENTIAL CANCER HAZARD. AN MSDS FOR FORMALDEHYDE IS AVAIL FROM GE SILICONES.

Federal Regulatory Information:CPSC CLASS

IFICATION: NA. WHMIS HAZARD

CLASS: D2A - VERY TOXIC MATLS, D2B - TOXIC MATERIALS. WHMIS TRADE SECRET: NONE. EXPORT: SCHDLE B/HTSUS: 3910.00 SILICONES IN PRIMARY FORM. ECCN: EAR99. THIS PROD OR ITS COMPONENTS ARE ON THE EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICALS (EINECS). THIS PROD OR ITS COMPONENTS ARE ON THE AUSTRALIAN INVENTORY (ACoin).

State Regulatory Information:CALIFORNIA PROP 65: NONE.

===== Other Information =====

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