



-----  
 COPYRIGHT GENERAL ELECTRIC CO.  
 -----

FORMAT: USA MATERIAL SAFETY DATA SHEET  
 PRODUCT: GE5000 RTV SILICONE RUBBER COMPOUND  
 -----

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

MANUFACTURED BY:	SUPPLIED BY:
GE SILICONES	GE SILICONES
260 HUDSON RIVER ROAD	260 HUDSON RIVER ROAD
WATERFORD, NY 12188	WATERFORD, NY 12188
EMERGENCY PHONE (24 HRS)	EMERGENCY PHONE (24 HRS)
(518) 237-3330	(518) 237-3330
REVISED: 03/19/03	
PREPARER: B. JAVOREK	
CHEMICAL FAMILY/USE: SILICONE RUBBER SEALANT	
FORMULA: MIXTURE	

-----  
 2. COMPOSITION/INFORMATION ON INGREDIENTS  
 -----

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGIH TLV TWA	OSHA PEL STEL	UNITS
HAZARDOUS				
METHYLTRIMETHOXYSILANE				
1185-55-3	1-5	200 (R) NE	200 (R) NE	PPM
HEXAMETHYLDISILAZANE				
999-97-3	1-5	25 (R) NE	35 STEL NE	(R) PPM
DISTILLATES, PETROLEUM, HYDROTREATED LIGHT				
64742-47-8	5-10	NE NA	NE NA	NA NA
2. NON-HAZARDOUS				
ME-DIMETHOXY/STPD POLYDIME-SILOXANE				
68037-58-1	30-60	NE NE	NE NE	NA NA
DIMETHYLPOLYSILOXANE				
63148-62-9	10-30	NE NA	NE NA	NA NA
TETRAMER TREATED FUMED SILICA				
68583-49-3	10-30	10 NE	15 NE	MG/M3

See Section 15 for description of any WHMIS Trade Secret(s).

---

### 3. HAZARDS IDENTIFICATION

---

#### 1[] EMERGENCY OVERVIEW:

##### WARNING!

May be harmful if swallowed, inhaled, or absorbed through skin.  
Irritating to skin, eyes, and respiratory tract.  
May cause central nervous system depression.

Ammonia odor

Translucent solid

#### POTENTIAL HEALTH EFFECTS:

##### INGESTION:

May be harmful if swallowed.

May cause central nervous system effects.

May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

##### SKIN CONTACT:

Uncured product contact will irritate lips, gums and tongue.

Uncured product contact may irritate the skin.

May be absorbed through skin and produce effects as listed under "Ingestion".

##### INHALATION:

Causes mild respiratory irritation.

Applies only in uncured state.

May also cause other effects as listed under "Ingestion".

##### EYE CONTACT:

Uncured product contact irritates eyes.

##### MEDICAL CONDITIONS AGGRAVATED:

Pre-existing skin or respiratory diseases.

##### SUBCHRONIC (TARGET ORGAN) EFFECTS:

Central nervous system

Skin

##### CHRONIC EFFECTS/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.

##### PRODUCTS/INGREDIENTS

This space reserved for special use.

##### PRINCIPLE ROUTES OF EXPOSURE:

Oral.

Dermal - skin.

Eyes.

Inhalation.

Absorption through skin.

##### OTHER:

Methanol released during curing.

This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150'C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for formaldehyde is available from GE Silicones.

---

#### 4. FIRST AID MEASURES

---

##### INGESTION:

Do not induce vomiting. If victim is conscious, give 1-3 glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if irritation persists.

##### SKIN:

To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water. Get medical attention if irritation persists.

##### INHALATION:

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

##### EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

##### NOTE TO PHYSICIAN:

None known.

---

#### 5. FIRE FIGHTING MEASURES

---

FLASH POINT: NA (C) NA (F)  
METHOD : NA  
IGNITION TEMP : UNK (C) UNK (F)  
FLAMMABLE LIMITS IN AIR - LOWER (%): NA  
FLAMMABLE LIMITS IN AIR - UPPER (%): NA  
SENSITIVITY TO MECHANICAL IMPACT (Y/N): NO

##### SENSITIVITY TO STATIC DISCHARGE:

Sensitivity to static discharge is not expected.

##### EXTINGUISHING MEDIA:

All standard firefighting media

##### SPECIAL FIREFIGHTING PROCEDURES:

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

---

#### 6. ACCIDENTAL RELEASE MEASURES

---

##### ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wipe, scrape or soak up in an inert material and put in a

container for disposal.

Wash walking surfaces with detergent and water to reduce slipping hazard.

Wear proper protective equipment as specified in the protective equipment section.

---

## 7. HANDLING AND STORAGE

---

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep container closed when not in use.

Avoid contact with skin and eyes.

Use only in a well ventilated area.

Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the fingertips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses and cause severe eye irritation.

Product releases methanol during application and curing.

Product releases ammonia during application and curing.

---

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### ENGINEERING CONTROLS:

Showers and eyewash stations. See "Ventilation" below.

### RESPIRATORY PROTECTION:

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29 CFR 1910.134).

### PROTECTIVE GLOVES:

Cloth gloves.

### EYE AND FACE PROTECTION:

Safety glasses.

### OTHER PROTECTIVE EQUIPMENT:

Wear eye protection and protective clothing.

### VENTILATION:

Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

---

1

## PRODUCT INFORMATION:

BOILING POINT : NA (C) NA (F)  
 VAPOR PRESSURE (20 C) (MM HG) : NA  
 VAPOR DENSITY (AIR=1) : NA  
 FREEZING POINT : NA (C) NA (F)  
 MELTING POINT : NA (C) NA (F)  
 PHYSICAL STATE : SOLID  
 ODOR : AMMONIA  
 COLOR : TRANSLUCENT  
 ODOR THRESHOLD (PPM) : 46.8  
 % VOLATILE BY VOLUME : NA  
 EVAP. RATE (BUTYL ACETATE=1) : <1  
 SPECIFIC GRAVITY (WATER=1) : 1.05  
 DENSITY (KG/M3) : UNK  
 ACID/ALKALINITY (MEQ/G) : UNK  
 PH : NA  
 VOC EXCL.H2O & EXEMPTS (G/L) : 27  
 SOLUBILITY IN WATER (20 C) : INSOLUBLE  
 SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT) : PARTIAL, TOLUENE

 -----  
 10. STABILITY AND REACTIVITY  
 -----

STABILITY: STABLE  
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
 HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:  
 Carbon monoxide.  
 Carbon dioxide.  
 Silicon dioxide.  
 Methanol.  
 Ammonia.  
 INCOMPATIBILITY (MATERIALS TO AVOID):  
 None known.  
 CONDITIONS TO AVOID:  
 Vapor and/or liquid react with water to form ammonia.

 -----  
 11. TOXICOLOGICAL INFORMATION  
 -----

PRODUCT INFORMATION:  
 ACUTE ORAL LD50 (MG/KG) : UNKNOWN  
 ACUTE DERMAL LD50 (MG/KG) : UNKNOWN  
 ACUTE INHALATION LC50 (MG/L) : UNKNOWN  
 OTHER:

None.

AMES TEST: UNKNOWN

---

12. ECOLOGICAL INFORMATION

---

ECOTOXICOLOGICAL INFORMATION: No data at this time  
CHEMICAL FATE INFORMATION: No data at this time

---

13. DISPOSAL CONSIDERATIONS

---

DISPOSAL METHOD:  
Disposal should be made in accordance with federal, state and local regulations.

---

14. TRANSPORT INFORMATION

---

DOT SHIPPING NAME: NONE  
DOT HAZARD CLASS: NOT DOT REGULATED  
DOT LABEL(S): NONE  
UN/NA NUMBER: NONE  
PLACARDS: NONE  
IATA:  
NOT REGULATED BY IATA  
IMO IMDG-code: NOT REGULATED FOR OCEAN TRANSPORTATION  
EMS No: NA  
EUROPEAN CLASS:  
RID (OCTI): NONE  
ADR (ECE): NONE  
RAR (IATA): NONE

---

15. REGULATORY INFORMATION

---

SARA SECTION 302:  
None Found  
SARA (311,312) HAZARD CLASS:

ACUTE HEALTH HAZARD  
 SARA (313) CHEMICALS:  
 NONE  
 CPSC CLASSIFICATION: NA  
 WHMIS HAZARD CLASS:  
 D2A VERY TOXIC MATERIALS  
 D2B TOXIC MATERIALS  
 WHMIS TRADE SECRET:  
 None  
 EXPORT:  
 SCHDLE B/HTSUS: 3214.10 Mastic Based on Rubber  
 ECCN: EAR99  
 HAZARD RATING SYSTEMS  
 HMIS FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 1  
 NFPA HEALTH = 1, FLAMMABILITY = 0 , REACTIVITY = 0  
 CALIFORNIA PROPOSITION 65:  
 NONE

-----  
 16. OTHER INFORMATION  
 -----

This product or its components are on the European inventory of existing commercial chemicals (EINECS).....

.....  
 These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

.....  
 This product or its components are on the Australian inventory (ACQIN).....

.....  
 C = ceiling limit                    NEGL = negligible  
 EST= estimated                    NF = none found  
 NA = not applicable                UNKN = unknown  
 NE = none established              REC = recommended  
 ND = none determined              V = recomm. By vendor  
 By-product = reaction by-        SKN = skin  
 product, TSCA inventory        TS = trade secret  
 status not required under        R = recommended  
 40 CFR part 720.30(h-2)        MST = mist  
 STEL = short term exposure      NT = not tested  
 limit

.....  
 All chemical substances in this material are included on or exempted from listing on the TSCA inventory.

\*

DATE PRINTED: 03/20/03