

**GE Silicones**-----
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-----FORMAT: USA
PRODUCT: GE5000MATERIAL SAFETY DATA SHEET
RTV SILICONE RUBBER COMPOUND
-----1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION
-----MANUFACTURED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188SUPPLIED BY:
GE SILICONES
260 HUDSON RIVER ROAD
WATERFORD, NY 12188EMERGENCY PHONE (24 HRS)
(518) 237-3330EMERGENCY PHONE (24 HRS)
(518) 237-3330REVISED: 11/29/01
PREPARER: KE LINTZ
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	OSHA PEL TWA	OSHA PEL STEL	UNITS

1. HAZARDOUS						
HEXAMETHYLDISILAZANE						
999-97-3	1-5	25(R)	NE	35STEL	NE	(R)PPM
METHYLTRIMETHOXYSILANE						
1185-55-3	1-5	NA	NE	NA	NE	NA
2. NON-HAZARDOUS						
ME-DIMETHOXY/STPD POLYDIME-SILOXANE						
68037-58-1	60-80	NE	NE	NE	NE	NA
DIMETHYLPOLYSILOXANE						

1. HAZARDOUS

HEXAMETHYLDISILAZANE

999-97-3 1-5 25(R) NE 35STEL NE (R)PPM

METHYLTRIMETHOXYSILANE

1185-55-3 1-5 NA NE NA NE NA

2. NON-HAZARDOUS

ME-DIMETHOXY/STPD POLYDIME-SILOXANE

68037-58-1 60-80 NE NE NE NE NA

DIMETHYLPOLYSILOXANE

63148-62-9	10-30	NE	NA	NE	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

EMERGENCY OVERVIEW:

WARNING!

Irritating to skin, eyes, and respiratory tract.

May be harmful if swallowed.

Ammonia odor

Solids of various colors.

POTENTIAL HEALTH EFFECTS:

INGESTION:

May be harmful if swallowed.

SKIN CONTACT:

Uncured product contact will irritate lips, gums and tongue.

Uncured product contact may irritate the skin.

INHALATION:

Causes mild respiratory irritation.

Applies only in uncured state.

EYE CONTACT:

Uncured product contact irritates eyes.

MEDICAL CONDITIONS AGGRAVATED:

None known.

SUBCHRONIC (TARGET ORGAN) EFFECTS:

None known

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:

Dermal - skin.

Eyes.

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. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

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.

Increase area ventilation.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

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.

Store away from heat, sources of ignition, and incompatibles.

Product releases methanol during application and curing.

Keep away from children.

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

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	:	<3.6		
EVAP. RATE(BUTYL ACETATE=1):	:	<1		
SPECIFIC GRAVITY (WATER=1)	:	1.05		
1 DENSITY (KG/M3)	:	UNK		
ACID/ALKALINITY (MEQ/G)	:	UNK		
PH	:	NA		
VOC EXCL.H2O & EXEMPTS(G/L):	:	<38		
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

HEXAMETHYLDISILAZANE

ACUTE ORAL LD50 (MG/KG): 1000 RAT
ACUTE DERMAL LD50 (MG/KG): 540 RBT
ACUTE INHALATION LC50 (MG/L): NONE FOUND

OTHER:

Tested for severe skin irritation and mild eye irritation.

AMES TEST:

METHYLTRIMETHOXYSILANE

ACUTE ORAL LD50 (MG/KG): 12,500 (RAT)
ACUTE DERMAL LD50 (MG/KG): >10,000 (RBT)
ACUTE INHALATION LC50 (MG/L): NF

OTHER:

None.

AMES TEST:

ME-DIMETHOXY/STPD POLYDIME-SILOXANE

ACUTE ORAL LD50 (MG/KG): NA
ACUTE DERMAL LD50 (MG/KG): NA
1 ACUTE INHALATION LC50 (MG/L): NA

OTHER:

None.

AMES TEST:

DIMETHYLPOLYSILOXANE

ACUTE ORAL LD50 (MG/KG): >40000 MG/KG
ACUTE DERMAL LD50 (MG/KG): NONE
ACUTE INHALATION LC50 (MG/L): >535 MG/L

OTHER:

None.

AMES TEST:

TETRAMER TREATED FUMED SILICA

ACUTE ORAL LD50 (MG/KG): NA

ACUTE DERMAL LD50 (MG/KG): NA

ACUTE INHALATION LC50 (MG/L): NA

OTHER:

None.

AMES TEST:

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

1 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 FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 1
CALIFORNIA PROPOSITION 65:
NONE

16. OTHER INFORMATION

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

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This product or its components are on the Australian inventory (ACOIN).....
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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-product, TSCA inventory status not required under 40 CFR part 720.30(h-2)	SKN = skin
STEL = short term exposure limit	TS = trade secret
	R = recommended
	MST = mist
	NT = not tested

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

DATE PRINTED: 11/30/01