

**GE280 3TG-Tube (0.198LBS-0.090KG)  
 Silicone Rubber Sealant**
**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Manufactured By:** GES Waterford Plant  
 260 Hudson River Rd  
 Waterford NY 12188  
**Revised:** 01/09/2006  
**Preparer:** PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
**CHEMTREC** 1-800-424-9300

**Chemical Family/Use:** Silicone Rubber  
**Formula:** Mixture

**HMIS**

Flammability: 0      Reactivity: 0      Health: 1      Prot. Equipm.:

**NFPA**

Flammability: 1      Reactivity: 0      Health: 1      Special Haz.:

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>PRODUCT COMPOSITION</u>	<u>CAS REG NO.</u>	<u>WGT. %</u>
<b><u>A. HAZARDOUS</u></b>		
Distillates, petroleum, hydrotreated light	64742-47-8	5 - 10 %
Hexamethyldisilazane	999-97-3	1 - 5 %
Methyltrimethoxysilane	1185-55-3	1 - 5 %
<b><u>B. NON-HAZARDOUS</u></b>		
Treated fumed silica	68583-49-3	10 - 30 %
Polydimethylsiloxane	63148-62-9	10 - 30 %
Methoxypolydimethylsiloxane	68037-58-1	30 - 60 %

**3. HAZARDS IDENTIFICATION**
**EMERGENCY OVERVIEW**

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

Form: solid

Color: translucent

Odor: ammonia

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**POTENTIAL HEALTH EFFECTS****INGESTION**

May be harmful if swallowed. May cause central nervous system effects. May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

**SKIN**

Uncured product contact will irritate lips, gums and tongue. May cause skin irritation. May be absorbed through skin and produce effects as listed under "Ingestion".

**INHALATION**

Applies in uncured state. May cause respiratory tract irritation. May also cause other effects as listed under "Ingestion".

**EYES**

Eye irritation on contact with the uncured product.

**MEDICAL CONDITIONS AGGRAVATED**

respiratory disorder Central nervous system disorders. Skin disorders.

**SUBCHRONIC (TARGET ORGAN )**

Liver; Central nervous system

**CHRONIC EFFECTS / CARCINOGENICITY**

This product or one of its ingredients present at 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

**ROUTES OF EXPOSURE**

dermal; Eyes

**OTHER**

Methanol released during curing. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 F (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 Advanced Materials - 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.

**INHALATION**

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If



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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**

Treatment is symptomatic and supportive.

**5. FIRE-FIGHTING MEASURES**

**FLASH POINT:**

**METHOD:**

not applicable

**IGNITION TEMPERATURE:**

Unknown

**FLAMMABLE LIMITS IN AIR - LOWER (%):**

not applicable

**FLAMMABLE LIMITS IN AIR - UPPER (%):**

not applicable

**SENSITIVITY TO MECHANICAL IMPACT:**

No

**SENSITIVITY TO STATIC DISCHARGE**

Sensitivity to static discharge is not expected.

**EXTINGUISHING MEDIA**

All standard extinguishing agents are suitable.none

**SPECIAL FIRE FIGHTING 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**

**STORAGE**

Store away from heat, sources of ignition, and incompatibles. Keep out of the reach of children.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Avoid contact with skin and eyes. 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. Use only in well-

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ventilated areas. Keep container closed when not in use. Product releases methanol during application and curing. Product releases ammonia during application and curing.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****ENGINEERING CONTROLS**

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

**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 suitable protective clothing and eye/face protection.

**Exposure Guidelines**

<b><u>Component</u></b>	<b><u>CAS RN</u></b>	<b><u>Source</u></b>	<b><u>Value</u></b>
Treated fumed silica	68583-49-3	ACGIH, TWA	Respirable dust. 3 mg/m <sup>3</sup>
Treated fumed silica	68583-49-3	ACGIH, TWA	Inhalable dust. 10 mg/m <sup>3</sup>

Absence of values indicates none found

PEL - OSHA Permissible Exposure Limit; TLV - ACGIH Threshold Limit Value; TWA - Time Weighted Average

OSHA revoked the Final Rule Limits of January 19, 1989 in response to the 11th Circuit Court of Appeals decision (AFL-CIO v. OSHA) effective June 30, 1993. See 29 CFR 1910.1000 (58 FR 35338).

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING POINT - C &amp; F:</b>	not applicable
<b>VAPOR PRESSURE (20 C) (MM HG):</b>	not applicable
<b>VAPOR DENSITY (AIR=1):</b>	
<b>FREEZING POINT:</b>	not applicable
<b>MELTING POINT:</b>	not applicable
<b>PHYSICAL STATE:</b>	solid
<b>ODOR:</b>	ammonia
<b>COLOR:</b>	translucent
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	< 1



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<b>SPECIFIC GRAVITY (WATER=1):</b>	ca. 1.05
<b>DENSITY (KG/M3):</b>	not applicable
<b>ACID / ALKALINITY (MEQ/G):</b>	Unknown
<b>pH:</b>	not applicable
<b>VOLATILE ORGANIC CONTENT (VOL):</b>	not applicable
<b>SOLUBILITY IN WATER (20 C):</b>	negligible
<b>SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):</b>	Toluene
<b>VOC EXCL. H2O &amp; EXEMPTS (G/L):</b>	ca. 27

**10. STABILITY AND REACTIVITY**

**STABILITY**

Stable

**HAZARDOUS POLYMERIZATION**

Will not occur

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

Carbon monoxide; carbon dioxide (CO<sub>2</sub>); Silicon dioxide.; Methanol; formaldehyde; ammonia

**INCOMPATIBILITY (MATERIALS TO AVOID)**

None known.

**CONDITIONS TO AVOID**

Vapor and/or liquid react with water to form ammonia. Applies in uncured state.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE ORAL**

Unknown

**ACUTE DERMAL**

Unknown

**ACUTE INHALATION**

Unknown

**OTHER**

None.

**SENSITIZATION**

no data available

**SKIN IRRITATION**

no data available

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**EYE IRRITATION**  
no data available

**MUTAGENICITY**  
Unknown

**12. ECOLOGICAL INFORMATION**

**ECOTOXICOLOGY**  
Ecotoxicological data for this product is not available.

**CHEMICAL FATE**  
no data available

**DISTRIBUTION**  
no data available

**13. DISPOSAL CONSIDERATIONS**

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

**14. TRANSPORT INFORMATION**

**Not Regulated if Section is Blank**

**15. REGULATORY INFORMATION**

**Inventories**

Canada DSL Inventory	y (positive listing)
Korea Existing Chemicals Inventory (KECI)	y (positive listing)
China Inventory of Existing Chemical Substances	y (positive listing)
Australia Inventory of Chemical Substances (AICS)	y (positive listing)
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)
TSCA list	y (positive listing)
EU list of existing chemical substances	y (positive listing)



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Canada NDSL Inventory n (Negative listing)  
Japan Inventory of Existing & n (Negative listing)  
New Chemical Substances  
(ENCS)

For inventories that are marked as quantity restricted or special cases, please contact GE.

**US Regulatory Information**

**CERCLA**  
**PRODUCT COMPOSITION**                      **Chemical**                                      **CERCLA Reportable Quantity**

**CLEAN AIR ACT**

**CLEAN WATER ACT**

**SARA SECTION 302**

**SARA (311,312) HAZARD CLASS**  
Acute Health Hazard

**SARA (313) CHEMICALS**

**Canadian Regulatory Information**

**WHMIS HAZARD CLASS**  
D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS

**Other**

**SCHDLE B/HTSUS:**                                      3214.10.00.10 Mastic based on rubber

**ECCN:**    EAR99

**CALIFORNIA PROPOSITION 65**  
This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

**16. OTHER INFORMATION**

**OTHER**

C = ceiling limit                      NEGL = negligible    EST = estimated                      NF = none found    NA = not applicable  
UNKN = unknown    NE = none established                      REC = recommended    ND = none determined  
V = recommended by vendor    SKN = skin                      TS = trade secret    R = recommended  
MST = mist    NT = not tested                      STEL = short term exposure limit ppm =



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parts per million    ppb = parts per billion By-product= reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2)., 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.