### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Manufactured By:</th>
<th>GES Waterford Plant</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>260 Hudson River Rd</td>
</tr>
<tr>
<td></td>
<td>Waterford NY 12188</td>
</tr>
</tbody>
</table>

**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

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

### 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
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
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: not applicable
METHOD: 
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.

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-
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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS RN</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treated fumed silica</td>
<td>68583-49-3</td>
<td>ACGIH, TWA</td>
<td>Respirable dust. 3 mg/m3</td>
</tr>
<tr>
<td>Treated fumed silica</td>
<td>68583-49-3</td>
<td>ACGIH, TWA</td>
<td>Inhalable dust. 10 mg/m3</td>
</tr>
</tbody>
</table>

Absence of values indicates none found

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


### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING POINT - C &amp; F:</td>
<td>not applicable</td>
</tr>
<tr>
<td>VAPOR PRESSURE (20 C) (MM HG):</td>
<td>not applicable</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR=1):</td>
<td>not applicable</td>
</tr>
<tr>
<td>FREEZING POINT:</td>
<td>not applicable</td>
</tr>
<tr>
<td>MELTING POINT:</td>
<td>not applicable</td>
</tr>
<tr>
<td>PHYSICAL STATE:</td>
<td>solid</td>
</tr>
<tr>
<td>ODOR:</td>
<td>ammonia</td>
</tr>
<tr>
<td>COLOR:</td>
<td>translucent</td>
</tr>
<tr>
<td>EVAPORATION RATE (BUTYL ACETATE=1):</td>
<td>&lt; 1</td>
</tr>
</tbody>
</table>
SPECIFIC GRAVITY (WATER=1): ca. 1.05
DENSITY (KG/M3): not applicable
ACID / ALKALINITY (MEQ/G): Unknown
pH: not applicable
VOLATILE ORGANIC CONTENT (VOL): not applicable
SOLUBILITY IN WATER (20 C): negligible
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): Toluene
VOC EXCL. H2O & EXEMPTS (G/L): ca. 27

10. STABILITY AND REACTIVITY

STABILITY
Stable

HAZARDOUS POLYMERIZATION
Will not occur

HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS
Carbon monoxide; carbon dioxide (CO2); 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
GE280 3TG-Tube (0.198LBS-0.090KG)
Silicone Rubber Sealant

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

<table>
<thead>
<tr>
<th>Country</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada DSL Inventory</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>Korea Existing Chemicals</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>Inventory (KECI)</td>
<td></td>
</tr>
<tr>
<td>China Inventory of Existing Chemical Substances</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>Australia Inventory of Chemical Substances (AICS)</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>Philippines Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>TSCA list</td>
<td>y (positive listing)</td>
</tr>
<tr>
<td>EU list of existing chemical substances</td>
<td>y (positive listing)</td>
</tr>
</tbody>
</table>
Canada NDSL Inventory  n (Negative listing)
Japan Inventory of Existing & New Chemical Substances (ENCS)
For inventories that are marked as quantity restricted or special cases, please contact GE.

**US Regulatory Information**

<table>
<thead>
<tr>
<th>CERCLA</th>
<th>PRODUCT COMPOSITION</th>
<th>Chemical</th>
<th>CERCLA Reportable Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEAN AIR ACT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CLEAN WATER ACT</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SARA SECTION 302</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SARA (311,312) HAZARD CLASS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Health Hazard</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SARA (313) CHEMICALS</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Canadian Regulatory Information**

<table>
<thead>
<tr>
<th>WHMIS HAZARD CLASS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>D2A  VERY TOXIC MATERIALS, D2B  TOXIC MATERIALS</td>
<td></td>
</tr>
</tbody>
</table>

**Other**

| SCHEDLE 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 =
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.