

**GE012A 12C-Crtrg (0.730 Lbs-0.331 Kg)  
Silicone Construction Sealant**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Manufactured By:** Waterford Plant  
260 Hudson River Rd  
Waterford NY 12188

**Revised:** 09/04/2007

**Preparer:** PRODUCT STEWARDSHIP COMPLIANCE AND STANDARDS  
**CHEMTREC** 1-800-424-9300

**Chemical Family/Use:** Sealant  
**Formula:** Mixture

**HMIS**

Flammability: 1      Reactivity: 0      Health: 1

**NFPA**

Flammability: 1      Reactivity: 0      Health: 1

**2. 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: Acetic acid

**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. Skin irritation is possible after contact with the uncured product. May be absorbed through skin and produce effects as listed under "Ingestion".

**INHALATION**

Causes mild respiratory tract irritation. Applies in uncured state. May be harmful if inhaled.

**EYES**

Eye irritation on contact with the uncured product.

**MEDICAL CONDITIONS AGGRAVATED**

Pre-existing skin or respiratory diseases.

**SUBCHRONIC (TARGET ORGAN )**

Skin; Central nervous system

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**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; Inhalation

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| <u>PRODUCT COMPOSITION</u>              | <u>CAS REG NO.</u> | <u>WGT. %</u> |
|---|--------------------|---------------|
| <b><u>A. HAZARDOUS</u></b>              |                    |               |
| DISTILLATES,<br>PETROLEUM, HYDROTREATED | 64742-47-8         | 10 - 30 %     |
| METHYLTRIACTOXYSILANE                   | 4253-34-3          | 1 - 5 %       |
| <b><u>B. NON-HAZARDOUS</u></b>          |                    |               |
| dimethylpolysiloxane                    | 70131-67-8         | 60 - 90 %     |
| Treated Filler                          | 68611-44-9         | 5 - 10 %      |

**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**

Treatment is symptomatic and supportive.

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**5. FIRE-FIGHTING MEASURES**

**FLASH POINT:** > 93.3 °C; 200 °F  
**METHOD:** estimated  
**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.

**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 well-ventilated areas. 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 acetic acid during application and curing. Attention: Not for injection into humans.

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

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### ENGINEERING CONTROLS

Eyewash stations; Showers; Use only in well-ventilated areas.

#### 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 29CFR 1910.134).

#### PROTECTIVE GLOVES

Rubber gloves

#### EYE AND FACE PROTECTION

Safety glasses

#### OTHER PROTECTIVE EQUIPMENT

Wear suitable protective clothing and eye/face protection.

#### Exposure Guidelines

| Component | CAS RN | Source | Value |
|-----------|--------|--------|-------|
|-----------|--------|--------|-------|

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>                | Not applicable             |
| <b>FREEZING POINT:</b>                       | Not applicable             |
| <b>MELTING POINT:</b>                        | Not applicable             |
| <b>PHYSICAL STATE:</b>                       | Solid                      |
| <b>ODOR:</b>                                 | Acetic acid                |
| <b>COLOR:</b>                                | Translucent                |
| <b>EVAPORATION RATE (BUTYL ACETATE=1):</b>   | < 1                        |
| <b>SPECIFIC GRAVITY (WATER=1):</b>           | ca. 1.04                   |
| <b>DENSITY:</b>                              | ca. 1.04 g/cm <sup>3</sup> |
| <b>ACID / ALKALINITY (MEQ/G):</b>            | Not applicable             |
| <b>pH:</b>                                   | Not applicable             |
| <b>VOLATILE ORGANIC CONTENT (VOL):</b>       | 2.8 %(m)                   |
| <b>SOLUBILITY IN WATER (20 C):</b>           | Insoluble                  |
| <b>SOLUBILITY IN ORGANIC SOLVENT (STATE)</b> | Toluene                    |

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**SOLVENT):**  
**VOC EXCL. H2O & EXEMPTS (G/L):** 36

**10. STABILITY AND REACTIVITY**

**STABILITY**

Stable

**HAZARDOUS POLYMERIZATION**

Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**

Carbon dioxide (CO<sub>2</sub>); Carbon monoxide; Silicon dioxide.; Formaldehyde; Acetic acid; 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. A MSDS for formaldehyde is available from Momentive.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

None known.

**CONDITIONS TO AVOID**

None known.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE ORAL**

Remarks: Unknown

**ACUTE DERMAL**

Remarks: Unknown

**ACUTE INHALATION**

Remarks: Unknown

**OTHER**

None.

**SENSITIZATION**

No data available

**SKIN IRRITATION**

No data available

**EYE IRRITATION**

No data available

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**MUTAGENICITY**

Unknown

**OTHER EFFECTS OF OVEREXPOSURE**

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. A MSDS for formaldehyde is available from Momentive., Acetic acid released during curing.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY**

Ecotoxicological data for this product is not available.

**DISTRIBUTION**

No data available

**CHEMICAL FATE**

No data available

**13. DISPOSAL CONSIDERATIONS**

**DISPOSAL METHOD**

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

**14. TRANSPORT INFORMATION**

**Further Information:**

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

**15. REGULATORY INFORMATION**

**Inventories**

|  |                      |
|--|----------------------|
| Japan Inventory of Existing & New Chemical Substances (ENCS) | y (Positive listing) |
| Korea Existing Chemicals Inventory (KECI)                    | y (Positive listing) |
| China Inventory of Existing                                  | y (Positive listing) |

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Chemical Substances

|  |                         |                   |
|--|-------------------------|-------------------|
| Australia Inventory of Chemical Substances (AICS)                  | y (Positive listing)    |                   |
| TSCA list  | y (Positive listing)    | On TSCA Inventory |
| EU list of existing chemical substances                            | y (Positive listing)    |                   |
| Canada NDSL Inventory  | n (Negative listing)    |                   |
| Philippines Inventory of Chemicals and Chemical Substances (PICCS) | n (Negative listing)    |                   |
| Canada DSL Inventory   | q (quantity restricted) |                   |

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

**US Regulatory Information**

**SARA (311,312) HAZARD CLASS**

Acute Health Hazard; Chronic Health Hazard

**SARA (313) CHEMICALS**

**Canadian Regulatory Information**

**WHMIS HAZARD CLASS**

D2B TOXIC MATERIALS, D2A VERY TOXIC MATERIALS

**Other**

**SCHDLE B/HTSUS:** 3214.10 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, or any other reproductive defects.

**16. OTHER INFORMATION**

**OTHER**

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., 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 =



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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).