



# Material Safety Data Sheet

Version: 1.3  
09/10/2007

## GE5070 12C-Crtrg (0.730 Lbs-0.331 Kg) Silicone Rubber Sealant

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

**Revised:** 09/10/2007

**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

**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. May cause adverse reproductive effects. Adverse reproductive effects reported in animals.

Form: Solid      Color: White      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



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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

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION	CAS REG NO.	WGT. %
<b>A. HAZARDOUS</b>		
DISTILLATES, PETROLEUM, HYDROTREATED	64742-47-8	1 - 5 %
Hexamethyldisilazane	998-97-3	1 - 5 %
Methyl trimethoxysilane	1185-55-3	1 - 5 %
<b>B. NON-HAZARDOUS</b>		
Methoxypolydimethylsiloxane	68037-58-1	60 - 90 %
Polydimethylsiloxane	63148-62-9	1 - 5 %

## 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.



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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  
Avoid contact with skin and eyes. Keep away from children. Keep container tightly closed. 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 mechanical ventilation to stay below TLV of 25 ppm ammonia. Store away from heat, sources of ignition, and incompatibles. Product releases methanol during application and curing.

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

##### 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

Cloth 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
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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

BOILING POINT - C & F:	Not applicable
VAPOR PRESSURE (20 C) (MM HG):	Not applicable
FREEZING POINT:	Unknown
MELTING POINT:	Unknown
PHYSICAL STATE:	Solid
ODOR:	Ammonia
COLOR:	White
EVAPORATION RATE (BUTYL ACETATE=1):	< 1
SPECIFIC GRAVITY (WATER=1):	1.03
DENSITY:	ca. 1.05 g/cm <sup>3</sup>
ACID / ALKALINITY (MEQ/G):	Not applicable
pH:	Not applicable
VOLATILE ORGANIC CONTENT (VOL):	2.2 %(m)
SOLUBILITY IN WATER (20 C):	Insoluble
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT):	PARTIAL IN TOLUENE



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VOC EXCL. H2O & EXEMPTS (G/L): 27

#### 10. STABILITY AND REACTIVITY

**STABILITY**  
Stable

**HAZARDOUS POLYMERIZATION**  
Will not occur.

**HAZARDOUS THERMAL DECOMPOSITION / COMBUSTION PRODUCTS**  
Methanol; Carbon dioxide (CO<sub>2</sub>); Formaldehyde; Amines; Carbon monoxide; Silicon dioxide.; Oxides of nitrogen.

**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**  
Contains dibutyltin compound(s) - May impair fertility. May cause harm to unborn child.

**SENSITIZATION**  
No data available

**SKIN IRRITATION**  
No data available

**EYE IRRITATION**  
No data available

**MUTAGENICITY**  
Unknown

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**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., Methanol released during curing.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY**

No data 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**

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	y (Positive listing)



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### Substances (PICCS)

EU list of existing chemical substances y (Positive listing)

Canada NDSL Inventory n (Negative listing)

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

TSCA list y (Positive listing) Listed on TSCA

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

58-36-6, 10, 10'-oxybisphenoxarsine

### Canadian Regulatory Information

#### WHMIS HAZARD CLASS

D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS

### Other

SCHDLE B/HTSUS: 3214.10 Mastic Based on Rubber

ECCN: EAR99

#### CALIFORNIA PROPOSITION 65

WARNING! This product contains a chemical known in the State of California to cause cancer.  
108-88-3, Toluene.

## 16. OTHER INFORMATION

### OTHER

C = ceiling limit applicable UNKN = unknown NE = none established NF = none found NA = not applicable  
determined V = recommended by vendor SKN = skin REC = recommended ND = none  
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.



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