1. Identification

Product identifier: GE5000 12C-Crtrg (0.730 Lbs-0.331 Kg)

Other means of identification

Recommended use and restriction on use

Recommended use: Silicone Elastomer
Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information:

Momentive Performance Materials - Daytona
703 South Street
New Smyrna Beach FL 32168

Contact person:
commercial.services@momentive.com

Telephone:
General information
+1-800-295-2392

Emergency telephone number:
Supplier:
CHEMTREC
1-800-424-9300

2. Hazard(s) Identification

Hazard Classification

Health Hazards

- Skin sensitizer: Category 1
- Toxic to reproduction: Category 1B

Unknown toxicity - Health

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity, oral</td>
<td>0 %</td>
</tr>
<tr>
<td>Acute toxicity, dermal</td>
<td>0 %</td>
</tr>
<tr>
<td>Acute toxicity, inhalation, vapor</td>
<td>0 %</td>
</tr>
<tr>
<td>Acute toxicity, inhalation, dust or mist</td>
<td>0 %</td>
</tr>
</tbody>
</table>

Label Elements

Hazard Symbol:
GE5000 12C-Crtrg (0.730 Lbs-0.331 Kg)

Signal Word: Danger

Hazard Statement:
H315; Causes skin irritation.
H319; Causes serious eye irritation.

Precautionary Statements

Prevention: Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response: IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. Specific treatment (see this label). Wash contaminated clothing before reuse.

Storage: Store locked up.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification: None.

Substance(s) formed under the conditions of use: Generates methanol during cure.

3. Composition/information on ingredients
Mixtures

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>CAS number</th>
<th>Content in percent (%)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, hydrotreated middle</td>
<td>64742-46-7</td>
<td>1 - &lt;5%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<tr>
<td>Hexamethyldisilazane</td>
<td>999-97-3</td>
<td>1 - &lt;5%</td>
<td>No data available.</td>
</tr>
<tr>
<td>DIBUTYL TIN BIS ACETYLANONATE</td>
<td>22673-19-4</td>
<td>0.1 - &lt;0.3%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
</tbody>
</table>

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

General information: No action shall be taken involving any personal risk or without suitable training.

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of 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.

Skin Contact: To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water. If skin irritation occurs: Get medical advice/attention.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Most important symptoms/effects, acute and delayed

Symptoms: No data available.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: This product reacts with moisture in the acid contents of the stomach to form methanol.

5. Fire-fighting measures

General Fire Hazards: Use standard firefighting procedures and consider the hazards of other involved materials. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:**
All standard extinguishing agents are suitable.

**Unsuitable extinguishing media:**
water jet

**Specific hazards arising from the chemical:**
Reacts with water liberating small amounts of methanol. In case of fire, carbon monoxide and carbon dioxide may be formed.

Special protective equipment and precautions for firefighters

**Special fire fighting procedures:**
Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters:**
Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:**
Avoid contact with skin and eyes. Keep container tightly closed. Eye irritation is possible after contact with the uncured product. Skin irritation is possible after contact with the uncured product. Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the finger and hands. Adequate ventilation should be provided so that exposure limits are not exceeded. Product releases methanol during application and curing.

**Methods and material for containment and cleaning up:**
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.

**Environmental Precautions:**
Prevent runoff from entering drains, sewers, or streams.

7. Handling and storage

**Precautions for safe handling:**
Sensitivity to static discharge is not expected. Methanol is formed during processing. Wear appropriate personal protective equipment. Use only in well-ventilated areas. Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Keep containers tightly closed. See Section 8 of the SDS for Personal Protective Equipment.

**Conditions for safe storage, including any incompatibilities:**
Keep container tightly closed in a cool, well-ventilated place.
# 8. Exposure controls/personal protection

## Control Parameters

### Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Type</th>
<th>Exposure Limit Values</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, petroleum, hydrotreated middle - Inhalable fraction</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (03 2015)</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated middle - Mist.</td>
<td>REL</td>
<td>5 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td></td>
<td>STEL</td>
<td>10 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated middle</td>
<td>REL</td>
<td>100 ppm 400 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>100 ppm 400 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (03 2016)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>100 ppm 400 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
<tr>
<td>DIBUTYL TIN BIS ACETYLACETONATE - as Sn</td>
<td>STEL</td>
<td>0.2 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (03 2015)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>US. ACGIH Threshold Limit Values (03 2015)</td>
</tr>
<tr>
<td></td>
<td>REL</td>
<td>0.1 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards (2010)</td>
</tr>
<tr>
<td></td>
<td>PEL</td>
<td>0.1 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)</td>
</tr>
</tbody>
</table>

### Appropriate Engineering Controls

Eye wash facilities and emergency shower must be available when handling this product.

### Individual protection measures, such as personal protective equipment

#### General information:
Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

#### Eye/face protection:
Safety glasses with side shields

#### Skin Protection
- **Hand Protection:** Chemical resistant gloves
- **Other:** Wear suitable protective clothing and eye/face protection.
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).

Hygiene measures: Observe good industrial hygiene practices.

9. Physical and chemical properties

Appearance
- Physical state: solid
- Form: solid
- Color: Colorless
- Odor: Ammonia.
- Odor threshold: No data available.
- pH: not applicable
- Melting point/freezing point: No data available.
- Initial boiling point and boiling range: not applicable
- Flash Point: > 93.3 °C (estimated)
- Evaporation rate: No data available.
- Flammability (solid, gas): No data available.

Upper/lower limit on flammability or explosive limits
- Flammability limit - upper (%): No data available.
- Flammability limit - lower (%): No data available.
- Explosive limit - upper (%): No data available.
- Explosive limit - lower (%): No data available.
- Heat of combustion: No data available.

Vapor pressure: not applicable
- Vapor density: No data available.
- Density: No data available.
- Relative density: 1.006

Solubility(ies)
- Solubility in water: Insoluble
- Solubility (other): PARTIAL IN TOLUENE

Partition coefficient (n-octanol/water) Log Pow: No data available.
- Auto-ignition temperature: No data available.
- Decomposition temperature: No data available.
- SADT: No data available.
- Viscosity, dynamic: No data available.
Viscosity, kinematic: No data available.
VOC: 27 g/l

10. Stability and reactivity

Reactivity: No dangerous reaction if used as recommended.
Chemical Stability: Material is stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerisation does not occur.

Conditions to avoid: None known.
Incompatible Materials: None known.

Hazardous Decomposition Products: Carbon dioxide Formaldehyde. Ammonia. Silicon dioxide. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

11. Toxicological information

Information on likely routes of exposure

Ingestion: No data available.
Inhalation: No data available.
Skin Contact: No data available.
Eye contact: No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Ingestion: No data available.
Inhalation: No data available.
Skin Contact: No data available.
Eye contact: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product: Not classified for acute toxicity based on available data.

Specified substance(s):
Hexamethyldisilazane LD 50 (Rat): 870 mg/kg
GE5000 12C-Crtgr (0.730 Lbs-0.331 Kg)

Dermal
Product: Not classified for acute toxicity based on available data.

Inhalation
Product: Not classified for acute toxicity based on available data.

Repeated dose toxicity
Product: No data available.

Skin Corrosion/Irritation
Product: No data available.

Serious Eye Damage/Eye Irritation
Product: No data available.

Respiratory or Skin Sensitization
Product: No data available.

Carcinogenicity
Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:
No carcinogenic components identified

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro
Product: No data available.

In vivo
Product: No data available.

Reproductive toxicity
Product: No data available.

Specific Target Organ Toxicity - Single Exposure
Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

Aspiration Hazard
Product: No data available.

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

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:
- Fish
  Product: No data available.

Aquatic Invertebrates
Product: No data available.

Chronic hazards to the aquatic environment:
- Fish
  Product: No data available.

Aquatic Invertebrates
Product: No data available.

Toxicity to Aquatic Plants
Product: No data available.

Persistence and Degradability

Biodegradation
Product: No data available.

BOD/COD Ratio
Product: No data available.

Bioaccumulative potential
Bioconcentration Factor (BCF)
Product: No data available.
Partition Coefficient n-octanol / water (log Kow)
Product: No data available.

Mobility in soil: No data available.

Known or predicted distribution to environmental compartments
Distillates, petroleum, No data available.
hydrotreated middle
Hexamethyldisilazane No data available.
DIBUTYL TIN BIS No data available.
ACETYLACETONATE

Other adverse effects: No data available.

13. Disposal considerations

General information: The generation of waste should be avoided or minimized wherever possible. Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

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

Contaminated Packaging: Dispose of as unused product.

14. Transport information

DOT
Not regulated.

IMDG
Not regulated.

IATA
Not regulated.

Special precautions for user: This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

15. Regulatory information

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
None present or none present in regulated quantities.
CERCLA Hazardous Substance List (40 CFR 302.4):
None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate (Acute) Health Hazards
Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance
None present or none present in regulated quantities.

SARA 304 Emergency Release Notification
None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical

<table>
<thead>
<tr>
<th>Chemical Identity</th>
<th>Threshold Planning Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA, Silane, dichlorodimethyl-, reaction products with silica</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated middle</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>Hexamethyldisilazane</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>DIBUTYL TIN BIS</td>
<td>10000 lbs</td>
</tr>
<tr>
<td>ACETYLACETONATE</td>
<td>10000 lbs</td>
</tr>
</tbody>
</table>

SARA 313 (TRI Reporting)
None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)
None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):
None present or none present in regulated quantities.

US State Regulations

US, California Proposition 65
This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

10,10'-OXYBISPHENOXARSINE Methanol
Maximum Allowable Dose Level (MADL): 47000 µg/day. Developmental toxin.
US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity
METHYLPOLYSILOXANE
SILANE, DICHLORODIMETHYL-, REAKTION PRODUCTS WITH SILICA, Silane, dichlorodimethyl-, reaction products with silica
Distillates, petroleum, hydrotreated middle
SILOXANES AND SILICONES, DI-ME
Hexamethyldisilazane
DIBUTYL TIN BIS ACETYLACETONATE
DIBUTYLAMINE

US. Massachusetts RTK - Substance List

Chemical Identity
Distillates, petroleum, hydrotreated middle
10,10'-OXYBISPHENOXARSINE

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity
Distillates, petroleum, hydrotreated middle

US. Rhode Island RTK

Chemical Identity
Distillates, petroleum, hydrotreated middle
Inventory Status:

<table>
<thead>
<tr>
<th>Inventory Status</th>
<th>Status</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>China Inventory of Existing Chemical Substances:</td>
<td>y (positive listing)</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>US TSCA Inventory:</td>
<td>y (positive listing)</td>
<td>Remarks: All components are listed or exempted on TSCA</td>
</tr>
<tr>
<td>Taiwan Chemical Substance Inventory:</td>
<td>On or in compliance with the inventory</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>Australia AICS:</td>
<td>Not in compliance with the inventory</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>Canada DSL Inventory List:</td>
<td>On or in compliance with the inventory</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>EINECS, ELINCS or NLP:</td>
<td>On or in compliance with the inventory</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>Japan (ENCS) List:</td>
<td>Not in compliance with the inventory</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>China Inv. Existing Chemical Substances:</td>
<td>On or in compliance with the inventory</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>Korea Existing Chemicals Inv. (KECI):</td>
<td>Not in compliance with the inventory</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>Canada NDSL Inventory:</td>
<td>Not in compliance with the inventory</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>Philippines PICCS:</td>
<td>Not in compliance with the inventory</td>
<td>Remarks: None.</td>
</tr>
<tr>
<td>New Zealand Inventory of Chemicals:</td>
<td>On or in compliance with the inventory</td>
<td>Remarks: None.</td>
</tr>
</tbody>
</table>

16. Other information, including date of preparation or last revision

HMIS Hazard ID

<table>
<thead>
<tr>
<th>Health</th>
<th>2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>1</td>
</tr>
<tr>
<td>Physical Hazards</td>
<td>1</td>
</tr>
<tr>
<td>PERSONAL PROTECTION</td>
<td></td>
</tr>
</tbody>
</table>

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

Issue Date: 10/16/2017
Revision Date: No data available.
Version #: 2.0
Further Information: No data available.
Disclaimer:

Notice to reader

Unless otherwise specified in section 1, Momentive products are intended for use in the manufacture and/or formulation of products and are not intended for direct consumer use. These products are not intended for long-lasting (>30 days) implantation, injection or direct ingestion into the human body, nor for use in the manufacture of multiple use contraceptives.
Keep out of the reach of children.

Further Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.