SAFETY DATA SHEET

1. Identification

Product identifier: GE5000

Other means of identification

Synonyms: SILICONE SEALANT

Recommended use and restriction on use

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

Manufacturer/Importer/Distributor Information

: Momentive Performance Materials LLC
260 HUDSON RIVER RD
Waterford NY 12188-1910

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

<table>
<thead>
<tr>
<th>Skin sensitizer</th>
<th>Toxic to reproduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 1</td>
<td>Category 1B</td>
</tr>
</tbody>
</table>

Unknown toxicity - Health

<table>
<thead>
<tr>
<th>Acute toxicity, oral</th>
<th>0 %</th>
</tr>
</thead>
<tbody>
<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:
Signal Word: Danger

Hazard Statement: H317; May cause an allergic skin reaction. H360; May damage fertility or the unborn child.

Precautionary Statements

Prevention: Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. 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 on 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>Silane, dichlorodimethyl-, reaction products with silica</td>
<td>68611-44-9</td>
<td>10 - &lt;20%</td>
<td># This substance has workplace exposure limit(s).</td>
</tr>
<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 ACETYLACETONATE</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

Ingestion: If swallowed, do NOT induce vomiting. Give a glass of water. Do not give victim anything to drink if he is unconscious. Get medical attention if any discomfort continues.

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.

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: Treatment is symptomatic and supportive.

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: There is no specific antidote. Treat symptomatically

5. Fire-fighting measures

General Fire Hazards: Use standard firefighting procedures and consider the hazards of other involved materials. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Suitable (and unsuitable) extinguishing media

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

**Unsuitable extinguishing media:**
Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:**
No data available.

Special protective equipment and precautions for firefighters

**Special fire fighting procedures:**
No data available.

**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. Use only in well-ventilated areas. Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the finger and hands. Keep out of reach of children. See Section 8 of the SDS for Personal Protective Equipment.

**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.

7. Handling and storage

**Precautions for safe handling:**
Sensitivity to static discharge is not expected.

**Conditions for safe storage, including any incompatibilities:**
Keep container closed.

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>Silane, dichlorodimethyl-, reaction products with silica - Particulate.</td>
<td>ST ESL</td>
<td>27 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)</td>
</tr>
<tr>
<td>Substance/Category</td>
<td>Value</td>
<td>Source</td>
<td></td>
</tr>
<tr>
<td>-------------------</td>
<td>-------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>AN ESL Silane, dichlorodimethyl-, reaction products with silica</td>
<td>2 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)</td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td>0.8 mg/m³</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)</td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td>20 millions of particles per cubic foot of air</td>
<td>US. OSHA Table Z-3 (29 CFR 1910.1000), as amended (03 2016)</td>
<td></td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated middle - Inhalable fraction</td>
<td>TWA</td>
<td>5 mg/m³</td>
<td>US. ACGIH Threshold Limit Values, as amended (03 2015)</td>
</tr>
<tr>
<td>REL</td>
<td>5 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)</td>
<td></td>
</tr>
<tr>
<td>STEL</td>
<td>10 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)</td>
<td></td>
</tr>
<tr>
<td>PEL</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)</td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td>5 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)</td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td>5 mg/m³</td>
<td>US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)</td>
<td></td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated middle</td>
<td>ST ESL</td>
<td>3,500 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)</td>
</tr>
<tr>
<td>AN ESL</td>
<td>350 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)</td>
<td></td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated middle - Mist</td>
<td>TWA PEL</td>
<td>5 mg/m³</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)</td>
</tr>
<tr>
<td>Distillates, petroleum, hydrotreated middle</td>
<td>IDLH</td>
<td>2,500 mg/m³</td>
<td>US. NIOSH: Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)</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, as amended (03 2015)</td>
</tr>
<tr>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>US. ACGIH Threshold Limit Values, as amended (03 2015)</td>
<td></td>
</tr>
<tr>
<td>REL</td>
<td>0.1 mg/m³</td>
<td>US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)</td>
<td></td>
</tr>
<tr>
<td>PEL</td>
<td>0.1 mg/m³</td>
<td>US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)</td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)</td>
<td></td>
</tr>
<tr>
<td>TWA</td>
<td>0.1 mg/m³</td>
<td>US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)</td>
<td></td>
</tr>
<tr>
<td>DIBUTYL TIN BIS ACETYLACETONATE - Particulate</td>
<td>AN ESL</td>
<td>0.1 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)</td>
</tr>
<tr>
<td>ST ESL</td>
<td>1 µg/m³</td>
<td>US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (11 2016)</td>
<td></td>
</tr>
<tr>
<td>DIBUTYL TIN BIS ACETYLACETONATE - as Sn</td>
<td>TWA PEL</td>
<td>0.1 mg/m³</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)</td>
</tr>
<tr>
<td>STEL</td>
<td>0.2 mg/m³</td>
<td>US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)</td>
<td></td>
</tr>
<tr>
<td>DIBUTYL TIN BIS ACETYLACETONATE</td>
<td>IDLH</td>
<td>25 mg/m³</td>
<td>US. NIOSH: Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)</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: Wear suitable gloves and eye/face protection.

Eye/face protection: Safety glasses with side shields

Skin Protection
Hand Protection: Cloth 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: Avoid contact with eyes, skin, and clothing. Wash hands after handling. When using do not eat or drink.

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: 1.02
Solubility(ies)
   Solubility in water: Insoluble
   Solubility (other): Slightly 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: Reacts with water.

Chemical Stability: Material is stable under normal conditions.

Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous polymerization will not occur.

Conditions to avoid: Reacts with water liberating small amounts of methanol. Reacts with water liberating small amounts of ammonia. Moisture.

Incompatible Materials: Moisture.

Hazardous Decomposition Products: Carbon dioxide Silicon dioxide. Ammonia. 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: ATEmix: 32,035.94 mg/kg

Specified substance(s):
Hexamethyldisilazane LD 50 (Rat): 870 mg/kg

Dermal
Product: ATEmix: 11,046.88 mg/kg

Inhalation
Product: ATEmix: 405.05 mg/l

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: Bühler-Patch-Test skin sensitisation on guinea pigs, OECD Test Guideline 406 (Guinea Pig): negative Test results are based on analogy with a similar material.

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.

**Specified substance(s):**
- Hexamethyldisilazane
  - **Log Kow:** Not applicable

Mobility in soil:
- **No data available.**

**Known or predicted distribution to environmental compartments**
- Silane, dichlorodimethyl-, reaction products with silica
  - **No data available.**
- Distillates, petroleum, hydrotreated middle
  - **No data available.**
- Hexamethyldisilazane
  - **No data available.**
- DIBUTYL TIN BIS
  - **No data available.**
- ACETYLACETONATE
  - **No data available.**

**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. Keep away from foodstuffs and animal feed.

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
Respiratory or Skin Sensitization
Reproductive toxicity

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
Chemical Identity  Threshold Planning Quantity

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
WARNING: This product can expose you to chemicals including Methanol, which is [are] known to the State of California to cause birth defects or other reproductive harm.

For more information go to www.P65Warnings.ca.gov.

US. New Jersey Worker and Community Right-to-Know Act
Chemical Identity
METHYLPOLYSIOXANE
SILOXANES AND SILICONES, DI-ME
Silane, dichlorodimethyl-, reaction products with silica
Distillates, petroleum, hydrotreated middle
Hexamethyldisilazane
DIBUTYL TIN BIS ACETYLACETONATE

US. Massachusetts RTK - Substance List
Chemical Identity
Distillates, petroleum, hydrotreated middle
10,10'-OXYBISPHEROXARSINE

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>Country/Inventory Type</th>
<th>Status Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia AiCS:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Canada DSL Inventory List:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>EINECS, ELINCS or NLP:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Japan (ENCS) List:</td>
<td>Not in compliance with the inventory.</td>
<td>None.</td>
</tr>
<tr>
<td>China Inv. Existing Chemical Substances:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Korea Existing Chemicals Inv. (KECI):</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Canada NDSL Inventory:</td>
<td>Not in compliance with the inventory.</td>
<td>None.</td>
</tr>
<tr>
<td>Philippines PICCS:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>US TSCA Inventory:</td>
<td>E (special case)</td>
<td>None.</td>
</tr>
<tr>
<td>New Zealand Inventory of Chemicals:</td>
<td>On or in compliance with the inventory</td>
<td>None.</td>
</tr>
<tr>
<td>Taiwan Chemical Substance Inventory:</td>
<td>On or in compliance with the inventory</td>
<td>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>Flammability</th>
<th>Physical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>1</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:** 01/13/2020  
**Revision Date:** No data available.  
**Version #:** 5.1  
**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.

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