



Revision Number: 002.0

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## 1. IDENTIFICATION

|                                      |   |                             |   |
|--------------------------------------|---|-----------------------------|---|
| <b>Product name:</b>                 | <b>GE Advanced Silicone Window and Door Projects</b>                  | <b>IDH number:</b>          | 2811093   |
| <b>Product type/Recommended use:</b> | Joint sealant, silicone   |                             |   |
| <b>Restriction of Use:</b>           | None identified   | <b>Region:</b>              | United States   |
| <b>Company address:</b>              | Henkel Corporation<br>One Henkel Way<br>Rocky Hill, Connecticut 06067 | <b>Contact information:</b> | Telephone: +1 (860) 571-5100<br>MEDICAL EMERGENCY Phone: Poison Control Center<br>1-877-671-4608 (toll free) or 1-303-592-1711<br>TRANSPORT EMERGENCY Phone: CHEMTREC<br>1-800-424-9300 (toll free) or 1-703-527-3887<br>Internet: www.henkelna.com |

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**WARNING:** H317 - MAY CAUSE AN ALLERGIC SKIN REACTION.  
H361 - SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.

| HAZARD CLASS          | HAZARD CATEGORY |
|-----------------------|-----------------|
| SKIN SENSITIZATION    | 1               |
| REPRODUCTIVE TOXICITY | 2               |

### PICTOGRAM(S)



### Precautionary Statements

|                    |   |
|--------------------|---|
| <b>Prevention:</b> | P201 - Obtain special instructions before use.<br>P202 - Do not handle until all safety precautions have been read and understood.<br>P261 - Avoid breathing dust or fumes.<br>P272 - Contaminated work clothing should not be allowed out of the workplace.  |
| <b>Response:</b>   | P280 - Wear protective gloves, clothing, eye and face protection.<br>P302+P352 - IF ON SKIN: Wash with plenty of water.<br>P308+P313 - IF exposed or concerned: Get medical attention.<br>P333+P313 - If skin irritation or rash occurs: Get medical attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse. |
| <b>Storage:</b>    | P405 - Store locked up.   |
| <b>Disposal:</b>   | P501 - Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.  |

**Other hazards** Not available.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

**See Section 11 for additional toxicological information.**

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

| Hazardous Component(s)                 | CAS Number  | Weight %* |
|--|-------------|-----------|
| Silica, amorphous, fumed, crystal-free | 112945-52-5 | 5 - 10    |
| Titanium dioxide                       | 13463-67-7  | 1 - 5     |
| 1,1,1,3,3,3-Hexamethyldisilazane       | 999-97-3    | 1 - 5     |
| Trimethoxy(methyl)silane               | 1185-55-3   | 1 - 5     |
| octamethylcyclotetrasiloxane           | 556-67-2    | 0.1 - 1   |

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 4. FIRST AID MEASURES

#### First Aid Measures by likely routes of exposure

|  |  |
|--|--|
| <b>Inhalation:</b>   | If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Move to fresh air. If symptoms persist, seek medical advice.                                     |
| <b>Skin contact:</b>   | Wipe off with paper towel or cloth. Rinse with running water and soap. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention immediately. |
| <b>Eye contact:</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention immediately.   |
| <b>Ingestion:</b>  | DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek medical attention immediately.   |
| <b>Most important symptoms and effects (acute and delayed):</b>                  | The most important known symptoms and effects, both acute and delayed, are described in Section 11: Toxicological Information.   |
| <b>Indication of any immediate medical attention / special treatment needed:</b> | Not available.   |

### 5. FIRE FIGHTING MEASURES

|   |   |
|---|---|
| <b>Extinguishing media:</b>               | Foam, dry chemical or carbon dioxide.   |
| <b>Improper extinguishing agents:</b>     | Not available.  |
| <b>Special firefighting procedures:</b>   | Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.  |
| <b>Unusual fire or explosion hazards:</b> | Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. In case of fire, keep containers cool with water spray. |
| <b>Hazardous combustion products:</b>     | Oxides of carbon. Oxides of silicon. Formaldehyde. Toxic and irritating vapors.   |

### 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

|                                   |   |
|-----------------------------------|---|
| <b>Environmental precautions:</b> | Do not allow product to enter sewer or waterways. |
|-----------------------------------|---|

**Clean-up methods:**

Ensure adequate ventilation. Wear appropriate personal protective equipment. Refer to Section 8 "Exposure Controls / Personal Protection" prior to clean up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up spilled material and place in a closed container for disposal.

## 7. HANDLING AND STORAGE

**Handling:**

Use only with adequate ventilation. Vapours should be extracted to avoid inhalation. Avoid contact with eyes, skin and clothing. Do not wear contact lenses. Do not handle contact lenses until all sealant has been removed from hands. Residual sealant may transfer to lenses and cause eye irritation. Wash thoroughly after handling. See Section 8 of the SDS for Personal Protective Equipment. Keep container closed.

**Storage:**

Not available.

For information on product shelf life, please review labels on container or check the Technical Data Sheet.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

| Hazardous Component(s)                 | ACGIH TLV  | OSHA PEL   | AIHA WEEL                 | OTHER |
|--|--|--|---------------------------|-------|
| Silica, amorphous, fumed, crystal-free | 10 mg/m3 TWA<br>Inhalable dust.<br>3 mg/m3 TWA<br>Respirable fraction.<br>3 mg/m3 TWA<br>Respirable particles.<br>10 mg/m3 TWA<br>Inhalable particles. | 20 MPPCF TWA<br>0.8 mg/m3 TWA<br>50 MPPCF TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction.<br>15 mg/m3 TWA<br>Total dust.<br>15 MPPCF TWA<br>Respirable fraction. | None                      | None  |
| Titanium dioxide                       | 0.2 mg/m3 TWA<br>Respirable nanoscale particles<br>2.5 mg/m3 TWA<br>Respirable finescale particles   | 15 mg/m3 PEL<br>Total dust.<br>15 MPPCF TWA<br>Respirable fraction.<br>15 mg/m3 TWA<br>Total dust.<br>50 MPPCF TWA<br>Total dust.<br>5 mg/m3 TWA<br>Respirable fraction.   | None                      | None  |
| 1,1,1,3,3,3-Hexamethyldisilazane       | None   | None   | 10 ppm TWA<br>50 ppm STEL | None  |
| Trimethoxy(methyl)silane               | None   | None   | 10 ppm (55 mg/m3) TWA     | None  |
| octamethylcyclotetrasiloxane           | None   | None   | 10 ppm TWA                | None  |

**Engineering controls:**

Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

**Respiratory protection:**

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye/face protection:**

Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists. Safety showers and eye wash stations should be available.

**Skin protection:**

Use chemical resistant, impermeable clothing including gloves and either an apron or body suit to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:**

Solid

**Color:**

White

**Odor:**

alcohol-like

**Odor threshold:**

Not available.

**pH:**

Not applicable

IDH number: 2811093

Product name: GE Advanced Silicone Window and Door Projects

|   |  |
|---|--|
| <b>Vapor pressure:</b>  | Not applicable   |
| <b>Boiling point/range:</b>                                       | Not available.   |
| <b>Melting point/ range:</b>                                      | Not available.   |
| <b>Density/Relative density:</b>                                  | 1.01 at 20 °C (68°F)   |
| <b>Relative vapor density:</b>                                    | Not available.   |
| <b>Flash point:</b>   | Not available.   |
| <b>Flammable/Explosive limits - lower:</b>                        | Not available.   |
| <b>Flammable/Explosive limits - upper:</b>                        | Not available.   |
| <b>Autoignition temperature:</b>                                  | Not available.   |
| <b>Flammability:</b>  | Not applicable   |
| <b>Evaporation rate:</b>  | Not available.   |
| <b>Solubility:</b>  | Not applicable   |
| <b>Partition coefficient n-octanol/water (logarithmic value):</b> | Not available.   |
| <b>VOC content:</b>   | 3 %; 31 g/l (by weight, calculated using CARB method; g/L less water, less exempts calculated using SCAQMD method) |
| <b>Dynamic viscosity:</b>   | Not available.   |
| <b>Kinematic viscosity:</b>                                       | Not available.   |
| <b>Particle characteristics:</b>                                  | Not applicable   |
| <b>Decomposition temperature:</b>                                 | Not available.   |

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>Stability:</b>                        | Stable under normal conditions of storage and use.  |
| <b>Hazardous reactions:</b>              | None under normal processing.   |
| <b>Hazardous decomposition products:</b> | Oxides of carbon. Oxides of silicon. Formaldehyde. Ammonia. Methanol.   |
| <b>Incompatible materials:</b>           | Acids and bases. Oxidizing agents. Amines.  |
| <b>Reactivity:</b>                       | Not available.  |
| <b>Conditions to avoid:</b>              | Keep away from heat, ignition sources and incompatible materials. Protect from direct sunlight. Exposure to moisture. |

## 11. TOXICOLOGICAL INFORMATION

|                                   |                                   |
|-----------------------------------|-----------------------------------|
| <b>Likely routes of exposure:</b> | Skin, Inhalation, Eyes, Ingestion |
|-----------------------------------|-----------------------------------|

**Potential Health Effects/Symptoms**

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | May cause respiratory tract irritation. When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limit. |
| <b>Skin contact:</b> | Prolonged or repeated skin contact may cause skin irritation or allergic skin sensitization reaction.   |
| <b>Eye contact:</b>  | May cause eye irritation.   |
| <b>Ingestion:</b>    | Not expected under normal conditions of use. May cause gastrointestinal tract irritation if swallowed.  |

| Hazardous Component(s)                 | LD50s and LC50s  |
|--|--|
| Silica, amorphous, fumed, crystal-free | None   |
| Titanium dioxide                       | Inhalation LC50 (Rat, 4 h) = > 6.82 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 2.28 mg/l<br>Inhalation LC50 (Rat, 4 h) = > 3.56 mg/l   |
| 1,1,1,3,3,3-Hexamethyldisilazane       | Oral LD50 (Rat) = 847 mg/kg<br>Oral LD50 (Rabbit) = 1,100 mg/kg<br>Oral LD50 (Mouse) = 850 mg/kg<br>Inhalation LC50 (Rat, 4 h) = 8,700 mg/m3<br>Inhalation LC50 (Rat, 4 h) = 10.3 mg/l |
| Trimethoxy(methyl)silane               | Inhalation LC50 (Rat, 4 h) = > 26000 ppm   |
| octamethylcyclotetrasiloxane           | Oral LD50 (Rat) = > 4,800 mg/kg<br>Dermal LD50 (Rat) = > 2,000 mg/kg<br>Dermal LD50 (Rabbit) = > 4,640 mg/kg<br>Inhalation LC50 (Rat, 4 h) = 36 mg/l                                   |

| Hazardous Component(s)                 | Immediate Health Effects | Delayed Health Effects | Chronic Health Effects                          |
|--|--------------------------|------------------------|---|
| Silica, amorphous, fumed, crystal-free | Nuisance dust            |                        |   |
| Titanium dioxide                       | Irritant                 |                        | Respiratory<br>Some evidence of carcinogenicity |
| 1,1,1,3,3,3-Hexamethyldisilazane       | Irritant                 |                        |   |
| Trimethoxy(methyl)silane               | Irritant                 | Allergen               |   |
| octamethylcyclotetrasiloxane           | Irritant                 |                        |   |

| Hazardous Component(s)                 | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen<br>(Specifically Regulated) |
|--|----------------|-----------------|---|
| Silica, amorphous, fumed, crystal-free | No             | No              | No  |
| Titanium dioxide                       | No             | Group 2B        | No  |
| 1,1,1,3,3,3-Hexamethyldisilazane       | No             | No              | No  |
| Trimethoxy(methyl)silane               | No             | No              | No  |
| octamethylcyclotetrasiloxane           | No             | No              | No  |

**12. ECOLOGICAL INFORMATION**

**Ecological information:** Not available.

**13. DISPOSAL CONSIDERATIONS**

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

**14. TRANSPORT INFORMATION**

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any packaging.

**U.S. Department of Transportation Ground (49 CFR)**

|                                  |               |
|----------------------------------|---------------|
| <b>Proper shipping name:</b>     | Not regulated |
| <b>Hazard class or division:</b> | None          |
| <b>Identification number:</b>    | None          |
| <b>Packing group:</b>            | None          |

**International Air Transportation (ICAO/IATA)**

**Proper shipping name:** Environmentally hazardous substance, solid, n.o.s. (octamethylcyclotetrasiloxane)  
**Hazard class or division:** 9  
**Identification number:** UN 3077  
**Packing group:** III

**Water Transportation (IMO/IMDG)**

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(octamethylcyclotetrasiloxane)  
**Hazard class or division:** 9  
**Identification number:** UN 3077  
**Packing group:** III  
**Marine pollutant:** octamethylcyclotetrasiloxane

## 15. REGULATORY INFORMATION

**United States Regulatory Information**

**TSCA 8 (b) Inventory Status:** All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.

**TSCA 12 (b) Export Notification:** None above reporting de minimis

**CERCLA/SARA Section 302 EHS:** None above reporting de minimis.

**CERCLA/SARA Section 311/312:** Please refer to the GHS classification in Section 2

**CERCLA/SARA Section 313:** None above reporting de minimis.

**California Proposition 65:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**Canada Regulatory Information**

**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

## 16. OTHER INFORMATION

**This safety data sheet contains changes from the previous version in sections:** This Safety Data Sheet contains changes from the previous version in Section(s): 11

**Prepared by:** Product Safety and Regulatory Affairs

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