1 Identification

- **Product Identifier**
  - **Trade name:** TekTop 100% Solvent-Free Silicone RTV
  - **Product Description:** 100% Solvent-Free Silicone RTV Roof Coating

- **Details of the Supplier of the Safety Data Sheet:**
  - **Manufacturer/Supplier:** SIMIRON
    - 32700 Industrial Drive
    - Madison Heights, MI 48071
    - Phone: (248) 686-3600
    - Fax: (248) 677-9325
    - www.simiron.com
  - **Emergency telephone number:** 800-535-5053

2 Hazard(s) Identification

- **Classification of the substance or mixture:**
  - GHS08 Health hazard
  - Carc. 2 H351 Suspected of causing cancer.
  - STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

- **Label elements:**
  - **GHS label elements**
    - The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Signal word:** Warning
  - **Hazard-pictograms:**
    - GHS07
    - GHS08

- **Hazard-determining components of labeling:**
  - Hydroxy terminated polydimethylsiloxane
  - Titanium Dioxide
  - butan-2-one O,O',O''-(methylsilylidyne)trioxime

- **Hazard statements:**
  - H315 Causes skin irritation.
  - H319 Causes serious eye irritation.

(Contd. on page 2)
Trade name: TekTop 100% Solvent-Free Silicone RTV

- H317 May cause an allergic skin reaction.
- H351 Suspected of causing cancer.
- H335 May cause respiratory irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements:**

- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves.
- P280 Wear eye protection / face protection.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P363 Wash contaminated clothing before reuse.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P332+P331 If skin irritation occurs: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of water.

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Unknown acute toxicity:**

49 % of the mixture consists of component(s) of unknown toxicity.

**Classification system:**

- **NFPA ratings (scale 0 - 4)**

  ![NFPA ratings]

  - Health = 1
  - Fire = 1
  - Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

  ![HMIS-ratings]

  - Health = 1
  - Fire = 1
  - Reactivity = 0

- **Hazard(s) not otherwise classified (HNOC):** None known

### 3 Composition/Information on Ingredients

- **Non-hazardous components:**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>68909-20-6</td>
<td>Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica</td>
<td>1-5%</td>
</tr>
</tbody>
</table>

(Contd. on page 3)
Trade name: TekTop 100% Solvent-Free Silicone RTV

- Chemical characterization: Mixtures
- Description: Mixture of substances listed below with non-hazardous additions.

### Dangerous Components:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>70131-67-8</td>
<td>Hydroxy terminated polydimethylsiloxane</td>
<td>30-50%</td>
</tr>
<tr>
<td>1317-65-3</td>
<td>Calcium Carbonate</td>
<td>30-50%</td>
</tr>
<tr>
<td>13463-67-7</td>
<td>Titanium Dioxide</td>
<td>5-10%</td>
</tr>
<tr>
<td>22984-54-9</td>
<td>butan-2-one O,O',O''-(methylsilylidyne)trioxime</td>
<td>1-5%</td>
</tr>
</tbody>
</table>

- Additional information:
The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

### 4 First-Aid Measures

- **Description of first aid measures:**
  - General information:
    Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.
  - After inhalation:
    In case of unconsciousness place patient stably in side position for transportation. Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.
  - After skin contact:
    Immediately wash with water and soap and rinse thoroughly. If skin irritation occurs, consult a doctor.
  - After eye contact:
    Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.
  - After swallowing:
    If swallowed and symptoms occur, consult a doctor.
  - Information for doctor:
    - Most important symptoms and effects, both acute and delayed: No further relevant information available.
    - Indication of any immediate medical attention and special treatment needed: No further relevant information available.

### 5 Fire-Fighting Measures

- Extinguishing media:
  - Suitable extinguishing agents: Use fire fighting measures that suit the environment.
  - Special hazards arising from the substance or mixture: No further relevant information available.
- Advice for firefighters:
- Protective equipment:
  As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

### 6 Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures:
  Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
  Dilute with plenty of water. Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up:
  Ensure adequate ventilation.
Trade name: TekTop 100% Solvent-Free Silicone RTV

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.

Reference to other sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

Handling
Precautions for safe handling:
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about protection against explosions and fires: No special measures required.

Conditions for safe storage, including any incompatibilities:

Storage
Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.
Specific end use(s): No further relevant information available.

8 Exposure Controls/Personal Protection

Additional information about design of technical systems: No further data; see section 7.

Control parameters:
Components with occupational exposure limits:
The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

1317-65-3 Calcium Carbonate

<table>
<thead>
<tr>
<th></th>
<th>Short-term value: 5 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Long-term value: 10 mg/m³</td>
</tr>
<tr>
<td>NIOSH TWA</td>
<td>Short-term value: 5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td>espirable dust</td>
</tr>
<tr>
<td>OSHA</td>
<td>Short-term value: 5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 15 mg/m³</td>
</tr>
<tr>
<td>OSHA TWA</td>
<td>Short-term value: 5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Long-term value: 15 mg/m³</td>
</tr>
<tr>
<td></td>
<td>espirable fraction</td>
</tr>
</tbody>
</table>

Additional information: The lists that were valid during the creation of this SDS were used as basis.

Exposure controls:
Personal protective equipment:
General protective and hygienic measures:
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Breathing equipment: Not required.

(Contd. on page 5)
Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Select glove material based on penetration times, rates of diffusion and degradation.

Material of gloves:
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:
The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

Eye protection:

Tightly sealed goggles

9 Physical and Chemical Properties

Information on basic physical and chemical properties

General Information

Appearance:

Form: Liquid
Color: White
Odor: Not determined
Odor threshold: Not determined.

pH-value: Not applicable.

Change in condition

Melting point/Melting range: Not determined.
Boiling point/Boiling range: 205 °C (401 °F)

Flash point: 205 °C (401 °F)

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Auto igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined.
Upper: Not determined.

Vapor pressure: Not determined.
Trade name: TekTop 100% Solvent-Free Silicone RTV

- **Density @ 20 °C (68 °F):** 1.34 g/cm³ (11.182 lbs/gal)
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
  - **Water:** Fully miscible.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - **Dynamic:** Not determined.
  - **Kinematic:** Not determined.
- **Solvent content:**
  - **Organic solvents:** 0.0 %
- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects:**
- **Acute toxicity:**
  - **LD/LC50 values that are relevant for classification:**
    - **1317-65-3 Calcium Carbonate**
      - Oral LD50 6450 mg/kg (rat)
    - **13463-67-7 Titanium Dioxide**
      - Oral LD50 >10000 mg/kg (rat)
      - Dermal LD50 >10000 mg/kg (rabbit)
      - Inhalative LC50/4 h >6.82 mg/l (rat)
  - **Primary irritant effect:**
    - **On the skin:** Irritant to skin and mucous membranes. May cause an allergic skin reaction.
    - **On the eye:** Irritating effect.
    - **Sensitization:** Sensitization possible through skin contact.
    - **Additional toxicological information:** The product shows the following dangers according to internally approved calculation methods for preparations:
      - Harmful
      - Irritant

(Contd. on page 7)
Trade name: TekTop 100% Solvent-Free Silicone RTV

- **Carcinogenic categories:**
  - **IARC (International Agency for Research on Cancer):**
    - (a) Although IARC has classified titanium dioxide as possible carcinogenic to human (2B), their summary concludes: “No significant exposure to titanium dioxide is thought to occur during the use of products which titanium dioxide is bound to other materials, such as in cosmetics or in paints.”
    - (b) OSHA does not regulate Titanium Dioxide as a carcinogen. However, under 29 CFR 1910.1200 the SDS must convey the fact that Titanium Dioxide is a potential carcinogen to rats.
      - Group 1 - Carcinogenic to humans
      - Group 2A - Probably carcinogenic to humans
      - Group 2B - Possibly carcinogenic to humans
      - Group 3 - Not classifiable as to its carcinogenicity to humans
      - Group 4 - Probably not carcinogenic to humans

- **NTP (National Toxicology Program):**
  - None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration):**
  - None of the ingredients are listed.

### 12 Ecological Information

- **Toxicity:**
  - **Aquatic toxicity:**
    - 13463-67-7 Titanium Dioxide
      - EC50 >1000 mg/l (Water flea)

  - **Persistence and degradability:** No further relevant information available.
  - **Behavior in environmental systems:**
  - **Bioaccumulative potential:** No further relevant information available.
  - **Mobility in soil:** No further relevant information available.
  - **Additional ecological information:**
  - **General notes:**
    - Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
  - **Results of PBT and vPvB assessment:**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.
  - **Other adverse effects:** No further relevant information available.

### 13 Disposal Considerations

- **Waste treatment methods:**
  - **Recommendation:**
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.

- **Uncleaned packagings**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport Information

- **UN-Number:**
  - Non-Regulated Material
Trade name: TekTop 100% Solvent-Free Silicone RTV

- **UN proper shipping name:**
  - DOT, ADR, IMDG, IATA: Non-Regulated Material

- **DOT, ADR, IMDG, IATA**
  - **Class:** Non-Regulated Material

- **Packing group:**
  - DOT, ADR, IMDG, IATA: Non-Regulated Material

- **Environmental hazards:** Not applicable.

- **Special precautions for user:** Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.

- **UN “Model Regulation”:** Non-Regulated Material

### 15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

  - **SARA (Superfund Amendments and Reauthorization):**
    - **Section 355 (extremely hazardous substances):** None of the ingredients are listed.

  - **Section 313 (Specific toxic chemical listings):** None of the ingredients are listed.

  - **TSCA (Toxic Substances Control Act):** All ingredients are listed or exempt from listing.

  - **California Proposition 65:**
    - **Chemicals known to cause cancer:** 13463-67-7 Titanium Dioxide
    - **Chemicals known to cause reproductive toxicity for females:** None of the ingredients are listed.
    - **Chemicals known to cause reproductive toxicity for males:** None of the ingredients are listed.
    - **Chemicals known to cause developmental toxicity:** None of the ingredients are listed.

  - **New Jersey Right-to-Know List:**
    - 1317-65-3 Calcium Carbonate
    - 13463-67-7 Titanium Dioxide

  - **New Jersey Special Hazardous Substance List:** None of the ingredients are listed.

  - **Pennsylvania Right-to-Know List:**
    - 1317-65-3 Calcium Carbonate
    - 13463-67-7 Titanium Dioxide

  - **Pennsylvania Special Hazardous Substance List:** None of the ingredients are listed.

(Contd. on page 9)
Trade name: TekTop 100% Solvent-Free Silicone RTV

- **Carcinogenic categories:**
- **EPA (Environmental Protection Agency):**
  None of the ingredients are listed.
- **TLV (Threshold Limit Value established by ACGIH):**
  13463-67-7 Titanium Dioxide
- **NIOSH-Ca (National Institute for Occupational Safety and Health):**
  13463-67-7 Titanium Dioxide
- **GHS label elements**
  The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**
  GHS07  GHS08
- **Signal word:** Warning
- **Hazard-determining components of labeling:**
  Hydroxy terminated polydimethylsiloxane
  Titanium Dioxide
  butan-2-one O,O',O"-(methylsilylidyn)trioxime
- **Hazard statements:**
  H315 Causes skin irritation.
  H319 Causes serious eye irritation.
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- **Precautionary statements:**
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  P280  Wear protective gloves.
  P280  Wear eye protection / face protection.
  P264  Wash thoroughly after handling.
  P272  Contaminated work clothing must not be allowed out of the workplace.
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  P321  Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
  P304+P340  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  P312  Call a POISON CENTER/doctor if you feel unwell.
  P363  Wash contaminated clothing before reuse.
  P308+P313  IF exposed or concerned: Get medical advice/attention.
  P332+P313  If skin irritation occurs: Get medical advice/attention.
  P333+P313  If skin irritation or rash occurs: Get medical advice/attention.
  P337+P313  If eye irritation occurs: Get medical advice/attention.
  P314  Get medical advice/attention if you feel unwell.
  P302+P352  IF ON SKIN: Wash with plenty of water.

(Contd. on page 10)
Trade name: TekTop 100% Solvent-Free Silicone RTV

- **P362+P364**: Take off contaminated clothing and wash it before reuse.
- **P405**: Store locked up.
- **P403+P233**: Store in a well-ventilated place. Keep container tightly closed.
- **P501**: Dispose of contents/container in accordance with local/regional/national/international regulations.

**National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other Information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

**Date of preparation / last revision:** 06/22/2016 / -

**Abbreviations and acronyms:**

- **ADR**: The European Agreement concerning the International Carriage of Dangerous Goods by Road
- **ADN**: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- **IMDG**: International Maritime Code for Dangerous Goods
- **DOT**: US Department of Transportation
- **IATA**: International Air Transport Association
- **ACGIH**: American Conference of Governmental Industrial Hygienists
- **EINECS**: European Inventory of Existing Commercial Chemical Substances
- **ELINCS**: European List of Notified Chemical Substances
- **CAS**: Chemical Abstracts Service (division of the American Chemical Society)
- **NFPA**: National Fire Protection Association (USA)
- **HMIS**: Hazardous Materials Identification System (USA)
- **LC50**: Lethal concentration, 50 percent
- **LD50**: Lethal dose, 50 percent
- **PBT**: Persistent, Bioaccumulative and Toxic
- **vPvB**: very Persistent and very Bioaccumulative
- **NIOSH**: National Institute for Occupational Safety
- **OSHA**: Occupational Safety & Health
- **TLV**: Threshold Limit Value
- **PEL**: Permissible Exposure Limit
- **REL**: Recommended Exposure Limit
- **Acute Tox. 3**: Acute toxicity – Category 3
- **Acute Tox. 4**: Acute toxicity – Category 4
- **Skin Irrit. 2**: Skin corrosion/irritation – Category 2
- **Eye Irrit. 2**: Serious eye damage/eye irritation – Category 2
- **Eye Irrit. 2A**: Serious eye damage/eye irritation – Category 2A
- **Skin Sens. 1**: Skin sensitisation – Category 1
- **Carc. 2**: Carcinogenicity – Category 2
- **STOT SE 3**: Specific target organ toxicity (single exposure) – Category 3
- **STOT RE 2**: Specific target organ toxicity (repeated exposure) – Category 2

*Data compared to the previous version altered.*

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