SECTION I - IDENTIFICATION

Product Name: Clear RTV Silicone Sealant
Product No.: 88000
Manufacturer: Rainbow Technology Corporation 1-800-637-6047
Contact: Larry Joe Steeley, Jr.
Emergency Phone No. (24 Hrs.): CHEM-TEL 1-800-255-3924

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.
Precautionary Statements: Prevention: P271 Use only outdoors or in a well-ventilated area.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.
SECTION 3: Composition/information on ingredients

3.2 Mixtures

Other names / synonyms  Silicone elastomer

Hazardous components

1. Silicon dioxide
Concentration  >= 5 - < 10 % (Weight)
CAS no. 7631-86-9

2. Distillates (petroleum), hydrotreated middle
Concentration  >= 5 - < 10 % (Weight)
CAS no. 64742-46-7

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice  Notes to physician: Treat symptomatically and supportively.
If inhaled  If inhaled, remove to fresh air.
In case of skin contact  Wash with water and soap as a precaution.
In case of eye contact  Flush eyes with water as a precaution.
Get medical attention if irritation develops and persists.
If swallowed  DO NOT induce vomiting.
Get medical attention if symptoms occur.
Rinse mouth thoroughly with water.

Personal protective equipment for first-aid responders  No special precautions are necessary for first aid responders.

4.2 Most important symptoms/effects, acute and delayed
None known.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Water spray
Alcohol-resistant foam
Dry chemical
Carbon dioxide (CO2)
5.2 **Specific hazards arising from the chemical**
Exposure to combustion products may be a hazard to health.

5.3 **Special protective actions for fire-fighters**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.
Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.

**Further information**
Hazardous combustion products:
- Carbon oxides
- Silicon oxides
- Formaldehyde

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**SECTION 6: Accidental release measures**

6.1 **Personal precautions, protective equipment and emergency procedures**
Follow safe handling advice and personal protective equipment recommendations.

6.2 **Environmental precautions**
Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

6.3 **Methods and materials for containment and cleaning up**
Soak up with inert absorbent material.
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.
Clean up remaining materials from spill with suitable absorbent.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

**Reference to other sections**
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

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**SECTION 7: Handling and storage**

7.1 **Precautions for safe handling**
See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Use only with adequate ventilation.

Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.

7.2 Conditions for safe storage, including any incompatibilities
Keep in properly labeled containers. Store in accordance with the particular national regulations.

Do not store with the following product types:
Strong oxidizing agents

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Silicon dioxide (CAS: 7631-86-9)
   TWA (Inhalation): 20 million particles per cubic foot (Silica) (OSHA)

2. Silicon dioxide (CAS: 7631-86-9)
   TWA (Inhalation): 80 mg/m^3 / %SiO2 (Silica) (OSHA)

3. Silicon dioxide (CAS: 7631-86-9)
   TWA: 6 mg/m^3 (Silica) (NIOSH)

4. Distillates (petroleum), hydrotreated middle (CAS: 64742-46-7)
   TWA (Inhalation): 5 mg/m^3 (OSHA)

5. Distillates (petroleum), hydrotreated middle (CAS: 64742-46-7)
   TWA (Inhalation): 5 mg/m^3 (OSHA)

6. Distillates (petroleum), hydrotreated middle (CAS: 64742-46-7)
   TWA (Inhalation): 5 mg/m^3 (NIOSH)

7. Distillates (petroleum), hydrotreated middle (CAS: 64742-46-7)
   ST (Inhalation): 10 mg/m^3 (NIOSH)

8.2 Appropriate engineering controls
Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

8.3 Individual protection measures, such as personal protective equipment (PPE)

   Eye/face protection
   Wear the following personal protective equipment:
   Safety glasses

   Skin protection
   Skin should be washed after contact. Wash hands before breaks and at the end of workday.

   Body protection
   When using do not eat, drink or smoke. Wash contaminated clothing before re-use.
Respiratory protection
General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Environmental exposure controls
Ensure that eye flushing systems and safety showers are located close to the working place.

These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/form</td>
<td>Paste</td>
</tr>
<tr>
<td>Odor</td>
<td>Acetic acid</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;100 degrees C closed cup</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not classified as a flammability hazard</td>
</tr>
<tr>
<td>Upper/lower flammability limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper/lower explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not applicable</td>
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<tr>
<td>Vapor density</td>
<td>No data available</td>
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<tr>
<td>Relative density</td>
<td>1.007</td>
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<tr>
<td>Solubility(ies)</td>
<td>No data available</td>
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<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>The substance or mixture is not classified as oxidizing.</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1 Reactivity
Not classified as a reactivity hazard.
10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Acetic acid is formed upon contact with water or humid air. When heated to temperatures above 150 °C (300 °F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required. See OSHA formaldehyde standard, 29 CFR 1910.1048 Hazardous decomposition products will be formed at elevated temperatures.

10.4 Conditions to avoid
None known.

10.5 Incompatible materials
Oxidizing agents

10.6 Hazardous decomposition products
Formaldehyde

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Not classified based on available information.

Acute inhalation toxicity: Acute toxicity estimate: > 10 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Calculation method

Ingredients:
Silicon dioxide:
Acute oral toxicity: LD50 (Rat): > 3,300 mg/kg
Assessment: The substance or mixture has no acute oral toxicity
Remarks: Information taken from reference works and the literature.
Acute inhalation toxicity: LC50 (Rat): > 2.08 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: Information taken from reference works and the literature.

Acute dermal toxicity: LD50 (Rabbit): > 5,000 mg/kg
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: Information taken from reference works and the literature.
Distillates (petroleum), hydrotreated middle:
Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity: LC50 (Rat): 1.78 mg/l
Exposure time: 4 h
Safety Data Sheet (SDS)

Test atmosphere: dust/mist
Acute dermal toxicity: LD50 (Rat): > 2,000 mg/kg

Skin corrosion/irritation
Not classified based on available information.

Ingredients:
Silicon dioxide:
Result: No skin irritation
Remarks: Information taken from reference works and the literature.

Serious eye damage/irritation
Not classified based on available information.

Ingredients:
Silicon dioxide:
Result: No eye irritation
Remarks: Information taken from reference works and the literature.

Respiratory or skin sensitization
Skin sensitization: Not classified based on available information.
Respiratory sensitization: Not classified based on available information.

Ingredients:
Silicon dioxide:
Assessment: Does not cause skin sensitization.
Test Type: Skin: test type not specified
Species: Guinea pig
Remarks: No known sensitizing effect.
Information taken from reference works and the literature.

Germ cell mutagenicity
Not classified based on available information.

Ingredients:
Silicon dioxide:
Genotoxicity in vitro: Result: negative
Remarks: Information taken from reference works and the literature.
Genotoxicity in vivo: Application Route: Ingestion
Result: negative
Remarks: Information taken from reference works and the literature.
Germ cell mutagenicity - Assessment
: Animal testing did not show any mutagenic effects.

Carcinogenicity
Not classified based on available information.

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen.
by OSHA.

NTP     No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity
Reproductive toxicity:  Not classified based on available information.

STOT-single exposure
Not classified based on available information.

STOT-repeated exposure
STOT-repeated exposure:  Not classified based on available information.

Aspiration hazard
Aspiration toxicity:  Not classified based on available information.

Ingredients:
Distillates (petroleum), hydrotreated middle:
The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

SECTION 12: Ecological information

Toxicity
No data available

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects
No data available

SECTION 13: Disposal considerations

Disposal of the product
Resource Conservation and Recovery Act (RCRA):
This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.

Waste from residues : Dispose of in accordance with local regulations.

Disposal of contaminated packaging
Dispose of as unused product.
Safety Data Sheet (SDS)

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

EPCRA - Emergency Planning and Community Right-to-Know

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No</th>
<th>Component RQ (lbs)</th>
<th>Calculated Product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic Acid</td>
<td>64-19-7</td>
<td>5000</td>
<td>*</td>
</tr>
<tr>
<td>Acetic anhydride</td>
<td>108-24-7</td>
<td>5000</td>
<td>*</td>
</tr>
</tbody>
</table>

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards
No SARA Hazards

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313

US State Regulations

Pennsylvania Right To Know
Dimethyl siloxane, hydroxy-terminated 70131-67-8 70 - 90 %
Silicon dioxide 7631-86-9 5 - 10 %
Distillates (petroleum), hydrotreated middle 64742-46-7 5 - 10 %
Acetic acid 64-19-7 0 - 0.1 %
Acetic anhydride 108-24-7 0 - 0.1 %

New Jersey Right To Know
Dimethyl siloxane, hydroxy-terminated 70131-67-8 70 - 90 %
Silicon dioxide 7631-86-9 5 - 10 %
Distillates (petroleum), hydrotreated middle 64742-46-7 5 - 10 %
Dimethyl siloxane, trimethylsiloxy-terminated 63148-62-9 1 - 5 %

California Prop 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

15.2 Chemical Safety Assessment

The ingredients of this product are reported in the following inventories:
AICS : All ingredients listed or exempt.
IECSC : All ingredients listed or exempt.
PICCS : All ingredients listed or exempt.
DSL : All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).
REACH : All ingredients (pre-)registered or exempt.
TSCA : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

Inventories
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), NECSI (Taiwan), TSCA (USA)

SECTION 16: Other information

NFPA: Flammability 1, Health 1, Instability 0
HMIS: Health 1, Flammability 1, Physical Hazard 0
0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Full text of other abbreviations
NIOSH REL : USA. NIOSH Recommended Exposure Limits
OSHA P0 : USA. OSHA - TABLE Z-1 Limits for Air Contaminants -1910.1000
OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA P0 / TWA : 8-hour time weighted average
OSHA Z-1 / TWA : 8-hour time weighted average
OSHA Z-3 / TWA : 8-hour time weighted average


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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user’s end product, if applicable.