**HI-TEMP RED**

**RTV Silicone Sealant**

HI-TEMP RED is a 100 % RTV Silicone Industrial Strength Sealant. Its pressurized dispenser makes any size or shape gasket instantly. HI-TEMP RED remains permanently flexible at temperatures from -85°F to +500°F. HI-TEMP RED reduces inventory and eliminates the need to stock conventional gaskets and seals. HI-TEMP RED reduces down time and gets equipment back in operation fast. Each can of HI-TEMP RED contains 100% of gaskets and seals.

<table>
<thead>
<tr>
<th>FOR USE BY</th>
<th>FOR USE ON</th>
<th>FEATURE-BENEFIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airports</td>
<td>Pumps</td>
<td>Meets OEM Warranty</td>
</tr>
<tr>
<td>Garages</td>
<td>Hi Pressure Joints</td>
<td>Low Odor</td>
</tr>
<tr>
<td>Machine Shops</td>
<td>Oil &amp; Water Pumps</td>
<td>15 Minute Set Up</td>
</tr>
<tr>
<td>Golf Courses</td>
<td>Valve Covers</td>
<td>Remains Permanently</td>
</tr>
<tr>
<td>Restaurants</td>
<td>Timing Chain Covers</td>
<td>Flexible at -85°F to 500°F</td>
</tr>
<tr>
<td>Municipalities</td>
<td>Electric Motors</td>
<td>Non Corrosive</td>
</tr>
<tr>
<td>Electric Companies</td>
<td>Electrical Boxes</td>
<td>Any Size or Shape Gasket</td>
</tr>
<tr>
<td>Utility Companies</td>
<td>Gear Boxes</td>
<td>Controlled Bead Uniformed</td>
</tr>
<tr>
<td>Manufacturing</td>
<td>Compressors</td>
<td>Bead Will Not Shrink or Sag</td>
</tr>
<tr>
<td>Plants</td>
<td>Machine Covers</td>
<td>High Chemical Resistance</td>
</tr>
<tr>
<td>Schools</td>
<td>Flange Assemblies</td>
<td>Low Volatile</td>
</tr>
<tr>
<td>Nursing Homes</td>
<td>Equip. Housings</td>
<td></td>
</tr>
<tr>
<td>Hospitals</td>
<td>Metal</td>
<td></td>
</tr>
<tr>
<td>Hotels/Motels</td>
<td>Ceramics</td>
<td></td>
</tr>
<tr>
<td>Resorts</td>
<td>Wood</td>
<td></td>
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<tr>
<td></td>
<td>Glass</td>
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<tr>
<td></td>
<td>Rubber</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Plastics</td>
<td></td>
</tr>
</tbody>
</table>

**DIRECTIONS**

Clean and dry surface for best adhesion. Hold can at 45° angle and apply a continuous bead of 1/16” to 1/8” to the mating surface, encircling all bolt holes. For adhesion to both parts, assemble immediately. One part adhesion, allow 15 minutes for bead to skin. Assemble parts, but do not squeeze gasket out by over tightening bolts. Starts to cure immediately, fully cures in 24 hours and reaches optimum strength in 7 days. After sealant is completely cured, for food applications, wash part before using. Trim excess with a sharp blade if necessary avoiding undercutting seal. After each use, leave a small bead of material to form a plug. To use again gently pull plug. If plug breaks use a paper clip to unclog tip.

**TECHNICAL DATA**

- **Appearance:** Opaque Red
- **Odor:** Disappears after 10 minutes
- **Composition:** Silicone
- **Type:** Room Temperature Vulcanizing Sealant
- **Tensile Strength:** 350 PSI
- **This product meets the requirement**
  - Specification TT-S-001543A
  - Class A (Com-NBS), TT-S-00230
  - Class A (Com-NBS) for silicone build

This product meets the requirement of FDA Regulation 21 CFR, Federal Class A (Com-NBS), TT-S-00230 for silicone build sealants and MIL-A-46106A.

**CONTACT INFORMATION**

OFFICE: 1-888-6PURITY (678-7489)
FAX 1-877-9PURITY (978-7489)
ADDRESS: 114 SOUTHFIELD PKWY
SUITE 120
FOREST PARK GA. 30297

SEE REVERSE SIDE FOR MSDS
MATERIAL SAFETY DATA SHEET

100% RTV Silicone - Standard Acetoxy

Purity Chemicals
114 Southfield Pkwy Suite 120
Forest Park, Ga. 30297
EMERGENCY PHONE: 931-296-2291

1. PRODUCT IDENTIFICATION

Product Identification: 100% RTV Silicone: clear, white, black, blue, bronze, aluminum, red, Trans white, alond, grey, biscuit, light grey, snowy white

Chemical Name: Silicone Sealant
Chemical Family: Silicone Sealant
Formula: Mixture

2. PRODUCT COMPONENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS#</th>
<th>WT%</th>
<th>EXPOSURE LIMITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyltriethoxyxilane</td>
<td>004253343</td>
<td>2</td>
<td>See acetic acid comments.</td>
</tr>
<tr>
<td>Silica, Amorphous</td>
<td>007631869</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Ethyltriethoxyxilane</td>
<td>017689779</td>
<td>2</td>
<td>OSHA PEL: 1000ppm, TWA: 1000ppm</td>
</tr>
<tr>
<td>Liquefied Petroleum Gas</td>
<td>68476857</td>
<td>1.5</td>
<td></td>
</tr>
</tbody>
</table>

3. PHYSICAL AND CHEMICAL PROPERTIES

Physical form: Paste
Color: depends on specific color ordered
Odor: Acetic acid odor
Specific Gravity @ 25c: 1.04
Viscosity: Not applicable
Freezing/Melting Point: Not determined

4. FIRE AND EXPLOSION DATA

Flash Point (Closed Cup): Not determined
Auto ignition: Not determined
Flammability Limits in Air: Not determined
Extinguishing Media: Carbon Dioxide(CO2), Water, Water fog (or spray), Dry Chemical, Foam.
Unsuitable Extinguishing Media: None
Fire Fighting Procedures: Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

Unusual Fire Hazards: None.
Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Sulfur Oxides.
Carbon oxides and traces of incompletely burned carbon compounds.
Silicon dioxide, Iodine compounds: Formaldehyde.
If container is an aerosol product: Treat as compressed gas: extinguishing media- CO2, Dry Chemical, and Water Fog.

5. REACTIVITY DATA

Stability: Stable
Incompatibility: Oxidizing material can cause a reaction. Air or moisture causes curing and acetic acid vapors to form.
Conditions to avoid: Exposure to air or moisture until ready to use.

6. HEALTH HAZARD DATA

Acute signs/effects of overexposure:
Ingestion: May cause gastric distress.
Skin contact: Uncured product contact will irritate lips, gums, tongue and skin.
Inhalation: Causes mild respiratory irritation.
Eye contact: Uncured product contact irritates eyes.
Medical conditions aggravated: None known.
Other: Acetic acid released during curing. Chronic effects of overexposure: None known.

Emergency first aid procedures:
Ingestion: No first aid should be needed.
Skin: To clean from skin, remove completely with a dry cloth or paper towel before washing with detergent and water. Get medical attention if irritation develops.
Inhalation: Remove to fresh air.
Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention.
Note to physician: None known.
Toxicity: **Product Information
Acute Oral LD50: 10,000 MG/KG
Acute dermal LD50 None found MG/KG
Acute Inhalation LC50 None found.

7. SPECIAL PROTECTIVE EQUIPMENT

Respiratory Protection: Use in a well ventilated area.
Protective Gloves: Cloth gloves.
Eye and Face Protection: Safety glasses.
Other Protective Equipment: None known.
Ventilation: Use only in well ventilated area.

8. SPILL, LEAK, AND DISPOSAL PROCEDURES

Action to be taken if material is released or spilled: Wipe 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.
Disposal Method: Disposal should be made in accordance with Federal, State, and Local Regulations.

9. SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage: Avoid contact with skin and eyes. CAUTION! Wearers of contact lenses must not handle lenses until all sealant has been cleaned from fingertips; residual silicone will transfer to lenses and cause severe eye irritation.
Products releases acetic acid during application and curing.
Use mechanical ventilation to stay below TLV of 10 PPM acetic acid.
Uncured product contact irritates eyes.
Uncured product contact irritates skin.
Use in a well ventilated area to prevent irritation by vapors.
Engineering Controls: Eyewash stations.

10. SHIPPING AND REGULATORY CLASSIFICATION DATA

DOT Shipping Name: Consumer Commodity, DOT Hazard Class: ORM-D, DOT Label (s): None, EPA Hazard Class: Eye irritant. CPSC Classification: Eye irritant., Transportation Class: IMO None, RID (OCTI) None, ADR (ECE) None, RAR (IATA) None, NEPA/HMIS Classification: Flammability 1, Reactivity 0, Health 1

Additional information: These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

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