

# 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.

### FOR USE BY

Airports  
Garages  
Machine Shops  
Golf Courses  
Restaurants  
Municipalities  
Electric Companies  
Utility Companies  
Manufacturing  
Plants  
Schools  
Nursing Homes  
Hospitals  
Hotels/Motels  
Resorts

### FOR USE ON

Pumps  
Hi Pressure Joints  
Oil & Water Pumps  
Valve Covers  
Timing Chain Covers  
Electric Motors  
Electrical Boxes  
Gear Boxes  
Compressors  
Machine Covers  
Flange Assemblies  
Equip. Housings  
Metal  
Ceramics  
Wood  
Glass  
Rubber  
Plastics

### FEATURE-BENEFIT

Meets OEM Warranty  
Low Odor  
15 Minute Set Up  
Remains Permanently  
Flexible at -85°to500°  
Non Corrosive  
Any Size or Shape Gasket  
Controlled Bead Uniformed  
Bead Will Not Shrink or Sag  
High Chemical Resistance  
Low Volatile

### 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 of FDA Regulation 21 CFR, Federal Specification TT-S-001543A Class A (Com-NBS). TT- S-00230 Class A (Com-NBS) for silicone building sealants and MIL-A-46106A.



## HI-TEMP RED RTV SILICONE SEALANT

### CONTACT INFORMATION

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

# MATERIAL SAFETY DATA SHEET

100% RTV Silicone - Standard Acetoxysilane



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, almond, grey, biscuit, light grey, snowy white**  
Chemical Name: Silicone Sealant Chemical Family: Silicone Sealant Formula: Mixture

2. **PRODUCT COMPONENTS**

COMPONENT	CAS#	WT%
Methyltriacetoxysilane	004253343	2
Silica, Amorphous	007631869	10

**EXPOSURE LIMITS**

See acetic acid comments.  
Observe particulates limits. OSHA PEL: TWA 15 mg/m3  
total dust, 5 mg/m3 respirable fraction. ACGIH TLV:  
TWA 100 mg/m3 total dust.

Ethyltriacetoxysilane	017689779	2
Liquefied Petroleum Gas	68476857	1-5

OSHA PEL: 1000ppm, TWA/TLV: 1000ppm

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  
Flash Point (Closed Cup):  
Auto ignition:  
Flammability Limits in Air:  
Extinguishing Media:  
Unsuitable Extinguishing Media:  
Fire Fighting Procedures:

Not determined  
Not determined  
Not determined  
Carbon Dioxide(CO2). Water. Water fog (or spray) Dry Chemical. Foam.  
None.  
Self contained breathing apparatus and protective clothing should be worn  
in fighting fires involving chemicals.  
If large amount is involved, evacuate area.

Vapor Pressure @ 25c: Not applicable  
Vapor Density: Not applicable  
Solubility in Water: None  
pH: Not applicable  
Volatile Content: Not applicable  
Boiling Point: Not applicable  
Solubility in Water: None  
pH: Not applicable  
Volatile Content: Not applicable

4. **FIRE AND EXPLOSION DATA**

Unusual Fire Hazards:

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Sulfur Ox-

ides.

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 (material to avoid): 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.

Hazardous decomposition products: Silicon dioxide, carbon dioxide, and traces of incompletely burned carbon prod.

Hazardous Polymerization: Will not occur

Conditions to Avoid: Not applicable

Comments: None.

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.

Other: None known.

Ames test: Unknown

Principle routes of exposure: Eyes, Inhalation

Products/Ingredients: None known

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 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.