

**MATERIAL SAFETY DATA SHEET**

**PRODUCT # AC-11606-Red High Temp**

**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Supplier name: American Chemical, Inc.  
Address: 2201 North 2nd Street  
Minneapolis, MN 55411  
Phone: (612) 374-1767  
Emergency: (812) 824-8000  
Physical Form: Paste  
Identity: 100% RTV Silicone Rubber Sealant

**SECTION 2 – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

All health hazards which comprise 1% or greater of the composition and all carcinogens if 0.1% of the composition or greater. (Volatile Organic Chemical – V.O.C)  
Hazardous CAS No. OSHA ACGIH Other Limits %  
Components PEL TLV Recommended Optional  
(Specified Chemical Identity & Common Name(s) if any.)  
Methytriacetoxysilane 4253-34-3 See comments below 2%  
Ethytriacetoxysilane 17689-77-9 See comments below 2%  
Silica 007631869 See comments below 10%  
Dimethyl siloxane, hydroxyl-terminated 70131-67-8 See comments below >60.0%  
Comment: TLV for acetoxysilane based on acetic acid formed during curing on exposure to water, moisture, or humid air. Observe limits for acetic acid, formed during curing on exposure to water or humid air. OSHA

PEL. TWA 10 ppm. ACGIH TLV:  
TWA 10 ppm, STEL 15 ppm  
Maximum VOC inclusive of water and exempt compounds: 32 g/L  
Maximum VOC exclusive of water and exempt compounds: 32 g/L

**SECTION 3 – PHYSICAL/CHEMICAL CHARACTERISTICS**

Boiling Point: N/A  
Specific Gravity: 1.04 (H2O=1)  
Melting Point: N/A  
Vapor Pressure (mmHg): Less than 5MM  
Vapor Density (Air=1): N/A  
Evaporation Rate (Butyl Acetate=1) N/A  
Solubility in Water: Less than 0.1%  
% Volatile by Volume: Less than 5% other (if any) N/A  
Appearance and Odor: Paste, Acetic Acid Like

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

Flash Point: N/A  
Flammable Limits in Air: LEL: N.D. UEL: N.D.  
Extinguishing Media: Water, Water fog, CO2, Dry Chemical, Foam, Other  
Special Fire Fighting Procedures: Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.  
Unusual Fire and Explosion Hazard: None

Hazardous Products Formed By Fire or Thermal Decomposition: Silicon Dioxide, Carbon Dioxide, and traces of incompletely burned carbon products,  
2201 North 2nd Street  
Minneapolis, MN 55411

Explosive Limits (% by volume in air): include formaldehyde.  
N/A

**SECTION 5 – OPTIONAL HAZARD RATINGS IDENTIFICATION**

Hazardous Materials Identification System (HMIS)

Health – 1

Reactivity – 1

Flammability – 1

Personal Protection – N/A

National Fire Protection Association (NFPA)

Fire – 1

Reactivity – 0

Health – 1

Special Hazards – 0

**SECTION 6 – REACTIVITY AND STABILITY DATA**

Stability: Material is stable  
Conditions to Avoid: Exposure to air or moisture until ready to use.  
Incompatibility (materials to avoid): Oxidizing material can cause a reaction. Air or moisture causes curing and acetic acid vapor forms.  
Hazardous Decomposition or By Products: Silicone dioxide, carbon dioxide, and traces on incompletely burned carbon products, includes formaldehyde.  
Hazardous Polymerization: Will not occur  
Conditions to avoid: N/A

**SECTION 7 – HEALTH HAZARD DATA**

The Principle Routes of Entry: Inhalation and Eyes. The health hazards that may occur with ingestion may be gastric distress and irritation to the eyes. There is no chronic hazard known.  
Carcinogenicity: None known at this time  
Signs and Symptoms of Exposure:  
Eyes: Slight pain and redness.  
Skin: Slight reddening if exposure is long or repeated it may result in a mild burn.  
Inhalation: Slight oral irritation, none excessive.  
Medical Conditions Generally Aggravated  
By Exposure: As with any chemical, this product may enhance allergic conditions on certain people. We do not know of any medical conditions that might be aggravated by exposure to this product.  
Emergency and First Aid Procedures:  
Eyes: Immediately flush 15 minutes with water  
Skin: Wipe off and flush with water and get medical attention if irritation develops.  
Inhalation: Remove to fresh air and seek medical aid if persists.  
Oral: If a large amount seek medical aid.

**SECTION 8 – PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to be Taken in Case Material is Released  
Or Spilled: Remove product and use absorbent material to take care of any oil-like residues.  
Waste Disposal Method: Local, state, and federal health and pollution regulations for disposal route.  
Precautions to be Taken in handling & Storage: Store in cool dry place below 90 F/32 C use reasonable care and caution.  
Other Precautions: Provide adequate ventilation during use to keep ambient air acetic vapor concentration below TLV or use respiratory protection.  
Comment: When heated to temperatures above 150 degrees C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard; a known skin and respiratory sensitive; and irritant to the eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA permissible exposure limit for formaldehyde.

**SECTION 9 – CONTROL MEASURES**

Respiratory Protection: Use respiratory protection unless local exhaust ventilation is adequate or air

Protective Gloves: sample.  
Cloth are sufficient  
Ventilation: Local exhaust may be needed. General mechanical is recommended.  
Eye Protection: Safety glasses and suitable respirator for acid gas/organic vapor type if recommended for protective equipment.  
The Work and Hygienic Practices: Washing at mealtime and at the end of a shift is adequate.

SECTION 10 – TRANSPORTATION INFORMATION (OPTIONAL)
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DOT Proper Shipping Name: None  
DOT Hazard Class: None  
If a “consumer commodity ORM-D” What is the qualifying chemical? N/A  
DOT I.D. (UN or NA): None  
IATA Proper Shipping Name: None  
IATA Hazard Class: N/A  
IMO No.: N/A

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