

# MATERIAL SAFETY DATA SHEET

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## Section 1

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For Chemical Emergency Only:

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## PRODUCT IDENTIFICATION:

## HAZARD RATING

**Red Hi-Temp RTV Silicone Instant Gasket**

1  
2 x 0

## Section 2 - HAZARDOUS INGREDIENTS INFORMATION:

Hazardous Components (Common Names, CAS Number)	OSHA PEL	ACGIH TLV	OTHER LIMITS	% OPTION
Methyltriacetoxysilane (4253-34-3)	*	*		2
Ethyltriacetoxysilane (1768-977-9)	*	*		2
Silica, Amorphous (7631-86-9)	6mg/m <sup>3</sup>	10mg/m <sup>3</sup> (total dust)		10

\*Observe limits for acetic acid, formed during curing on exposure to water or humid air.  
OSHA PEL: TWA 10ppm. ACGIH TLV: TWA 10ppm, STEL 15ppm.

## Section 3 - PHYSICAL/CHEMICAL CHARACTERISTICS:

Boiling Point: NA Specific Gravity (H<sub>2</sub>O=1): 1.04  
Vapor Density (Air=1): >1 Melting Point: NA  
Vapor Pressure (mm Hg): <5mm @ 77 F Evaporation Rate (Butyl acetate = 1): NA  
Solubility in Water: Less than 0.1  
Appearance & Odor: Red colored paste with acetic acid (vinegar-like) odor.

## Section 4 - FIRE AND EXPLOSION HAZARD DATA:

Flash Point (Method): >250 F (COC) Flammable Limits: LEL: NE UEL: NE  
Extinguishing Media: Dry chemical, foam or carbon dioxide.  
Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus.  
Unusual Fire and Explosion Hazards: None known.

## Section 5 - REACTIVITY DATA:

Stability: Stable XX Conditions to Avoid: Exposure to air/moisture prior to use.  
Incompatibility (Materials to Avoid): Oxidizing material; air or moisture cause curing with acetic acid vapors being formed.  
Hazardous Decomposition Products: Silicon dioxide, carbon dioxide, traces of incompletely burned carbon products.  
Hazardous Polymerization: May Not Occur XX

**Section 6 - HEALTH HAZARD DATA:**

Route(s) of Entry: Inhalation: Yes    Skin: Yes    Ingestion: Yes

Health Hazards (Acute and Chronic):

Acute - Direct contact may cause eye/skin irritation. Inhalation may irritate mucous membranes. Ingestion of large amounts may cause digestive discomfort.

Chronic - Repeated or prolonged contact (24-48hr) may cause moderate skin irritation.

Carcinogenicity: NTP: No    IARC Monographs: No    OSHA Regulated: No

**First Aid Procedures:**

Eye contact - Immediately flush eye with copious amounts of water for 15 minutes.

Skin contact - Irritation upon direct contact. Remove contaminated clothing and wash affected areas with soap and water. Prolonged or repeated contact can cause dermatitis in sensitive individuals.

Inhalation - Remove to fresh air. Get medical attention if ill effects persist.

Ingestion - No first aid should be necessary, however, consult with a physician as a precaution.

Medical Conditions Generally Aggravated by Exposure: Pre-existing skin and respiratory conditions.

**Section 7 - PRECAUTIONS FOR SAFE HANDLING AND USE:**

Steps to Be Taken in Case Material is Released or Spilled: Material can be polymerized with water. Scrape up cured residue and place into container for disposal.

Waste Disposal Method: Dispose of in accordance with local, state, and federal EPA regulations.

Precautions to Be Taken in Handling and Storing: Use with adequate ventilation. Store below 90F/32C. Use reasonable care and caution. Recommended use is at ambient temperature (68-72 F).

Other Precautions: Avoid direct contact and avoid breathing vapors. Traces of formaldehyde may form if heated in air above 300 F (149C). Provide ventilation during use to control acetic acid exposure within 10ppm or use respiratory protection.

**Section 8 - CONTROL MEASURES:**

Respiratory Protection (Specify Type): A NIOSH approved vapor canister may be used to maintain vapor concentration below TLV.

Ventilation: Local Exhaust: To maintain vapor concentration below TLV.

Mechanical (General): As needed.

Protective Clothing or Equipment: Safety glasses/goggles with side shields, rubber gloves and apron to protect skin and clothing.

Work/Hygienic Practices: Wash hands with soap and water after use. Launder contaminated clothing before reuse.

NE = Not established

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