



ANTI-SEIZE TECHNOLOGY
A.S.T. Industries, Inc.

AST-RTV™ SILICONE HI-TEMP RED SAFETY DATA SHEET

Section 1- Product and Company Identification

Product type: Silicone elastomeric , RTV
Product Code: 27105, 27035

Supplier : Anti-Seize Technology
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Franklin Park, IL 60131

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1-352-323-3500 (International)

Date: July 28, 2021

Section 2-Hazard Identification

GHS Classification (Hazcom 2012):

Label Elements:

Signal word: None

Hazard Phrases: None

Precautionary Phrases:

Prevention:

Use in a well-ventilated area.

Keep away from heat, sparks, open flames or hot surfaces.

Reponses:

IF ON SKIN : Wash with soap and water.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF IN EYES: Remove contact lenses if present and easy to do, continue rinsing.

Storage:

When not in use keep container closed

Keep away from children

Disposal: Dispose of in accordance with Local, State, Federal Regulations.

Other Hazards: During the curing process acetic acid vapors will be generated which can irritate the respiratory tract . Use with adequate ventilation.

Section 3- Composition/ Information on Ingredients

Ingredient	CAS #	%
Methyltriacetoxysilane	4253-34-3	1-5
Ethyltriacetoxysilane	17689-77-9	1-5
Silicon dioxide	7631-86-9	5-10
Non-hazardous polymer	70131-67-8	60-90
Acetic acid	64-19-7	1-5
Red iron oxide	1309-37-1	1-5

ACETIC ACID FUMES ARE FORMED DURING THE CURING PROCESS. THESE FUMES MAY BE IRRITATING TO THE RESPIRATORY TRACT.

The specific identity and/or exact percentage of composition has been withheld as a trade secret

Section 4 – First Aid Measures

Eye: Rinse opened eye for several minutes under running water. If symptoms persist, get medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water.

Inhalation: Supply fresh air; consult doctor in case of complaints.

Ingestion: Rinse mouth with water. Do not induce vomiting.

Most Important symptoms and effects, both acute and delayed: Respiratory tract irritation, eye irritation.

Section 5 – Fire Fighting Measures

Extinguishing Media: Use water spray or fog, foam, carbon dioxide or dry chemical. Dry chemical is preferred.

Special Hazards Arising from the Product: None anticipated.

Special Equipment and Precautions for Fire-Fighters: Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water spray.

Hazardous combustion products: Carbon oxides, Silicon oxides, Formaldehyde.

Section 6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Use appropriate personal protection equipment. If fumes are present, wear a NIOSH approved respirator. Wear protective gloves.

Wipe up or scrape up and contain for disposal. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

Environmental Hazards: Spilled material, even in small quantities, may present a slip hazard. Scrape up as much material as possible. Spilled materials will solidify over time. Dispose of in accordance with appropriate Local, State and Federal guidelines.

Methods and Materials for Containment and Clean up.

Use absorbent materials, scrape up excess material for proper disposal.

Section 7 – Handling and Storage

Precautions for Safe Handling: Use with adequate ventilation. Avoid eye contact. Avoid skin contact. Do not take internally. Do not handle contact lenses until all materials are removed from hands.

Conditions for Safe Storage, Including any Incompatibilities.

Use reasonable care and store away from oxidizing materials. Store away from heat, sparks or open flames. Store at temperatures below 90°F. Keep container closed when not in use.

Section 8 – Exposure Controls / Personal Protection

Hazardous Component	ACGIH TLV	OSHA PEL	OTHER
Methyltriacetoxysilane	Not Established	Not Established	
Ethyltriacetoxysilane	Not Established	Not Established	
Silicon Dioxide	6mg/m3 TWA	20MPPCF TWA, 0.8mg/m3 TWA	
Acetic Acid	15ppm STEL 10 ppm TWA	10ppm 25 mg/m3 PEL	

Engineering controls: Use with adequate ventilation, especially in confined spaces. Use local ventilation if air movement is not adequate to maintain air quality below established exposure limits.

Individual Protection Measures:

Respiratory Protection: Normally not required unless large quantities of this product are being used or if working in confined spaces. Acetic acid vapors (vinegar like odor) can irritate eyes , skin or respiratory tract. If need use a NIOSH approved organic vapor respirator.

Eye/Face Protection: Safety glasses with side splash shields are recommended.

Skin Protection: If prolonged or repeated exposure is expected, wear chemical resistant gloves such as vinyl or neoprene.

Section 9 – Physical and Chemical Properties

Appearance: Red, viscous sealant	Vapor Density (air = 1): Not available
Odor: Mild vinegar like odor	Specific Gravity: 1.04
Odor Threshold: Not established	Water Solubility: Not soluble
pH: No data	Octanol/Water Partition Coefficient: Not available
Melting Point/Freezing Point: Not available	Autoignition Temperature: Not available
Boiling Point: No Data	Decomposition Temperature: Not available
Flash Point: Not flammable	Viscosity: Not available
Evaporation Rate: Not available	Explosion Properties: None
Flammable Limits: LEL: Not established UEL: Not established	Oxidizing Properties: Not oxidizing
Vapor Pressure: Not established	Aerosol Fire Protection Level: Not applicable
VOC Content: <3%	Flammability (solid, gas): Not available

Section 10 – Stability and Reactivity

Reactivity: Not classified as a reactivity hazard.

Chemical stability: Stable under normal storage and handling conditions.

Conditions to avoid: Application to hot surfaces.

Incompatible Materials: Strong Oxidizing agents and acids

Hazardous Decomposition Products: Acetic Silica mist, acrid smoke and fumes in extreme temperatures or fire. The thermal decomposition products are highly dependent upon conditions but could include Carbon Oxides, Silicon Oxides or Formaldehyde.

Section 11 – Toxicological Information

Potential Health Effects:

Eye: May cause serious eye irritation if large quantities are being used. The acetic acid vapors liberated during the curing process can irritate eyes.

Skin: May cause skin irritation if this material is allowed to remain on skin for prolonged periods.

Inhalation: Acetic acid (vinegar like odor) may irritate nose, throat , respiratory tract. When heated to temperatures exceeding 300°F (150°C) in the presence of air, cured silicones may form formaldehyde vapors. Formaldehyde is a potential carcinogen and is a known skin and respiratory tract irritant.

Ingestion: Not expected to be harmful by ingestion.

Carcinogen Status: No

Acute Toxicity Values:

Silicon Dioxide, Oral, Rat, LD50 >3,300 mg/kg
Inhalation, Rat, LC50 >2.08 mg/l

Acetic Acid, Oral, Rat, LD50 3.50 g/kg, Dermal, Rabbit, LD50, 1,060 mg/kg, Inhalation, Rat, LC50 (4 hr) 11.4mg/L

Section 12 – Ecological Information

Not available

Section 13 – Disposal Consideration

Waste disposal: Dispose of in a responsible manner. Follow local, state and federal guidelines. Do not discharge into sewers or waterways. Incineration is the preferred method of disposal, although it may be land filled at an approved facility.

Section 14- Transport Information

DOT

Proper Shipping Name: Not Regulated

DOT Hazard Class: None

UN Number: None

Packing Group: None

IMDG

Shipping Description: Not Regulated

Hazard Class: None

Identification Number: None

Packing Group: none

ICAO/IATA

Shipping Description: Not Regulated

ID Number: Not Regulated

Hazard Class: Not Regulated

Packing Group: None

Section 15 – Regulatory Information
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Safety, health, and environmental regulations specific for the product in question.

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to reporting requirements under CERCLA. However, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA 302: No chemicals are subject to the reporting requirements

SARA Hazard Category (311/312): Not Hazardous

SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

EPA TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

CALIFORNIA PROPOSITION 65: This product is not known to contain listed chemicals.

Section 16 – Other Information:
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The information contained herein is based on data considered accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results obtained from the use of his product. Therefore, because the product may be used under conditions beyond our control, we assume no liability for its use.