

REC'D AUG 04 1998

MATERIAL SAFETY DATA SHEET

5950
SLT00005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: High Temp RTV Silicone Gasket Maker
 Item No.: 81409
 Part No.: 26C
 Product Type: Silicone

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Poly(dimethylsiloxane), dimethyl	63148-62-9	80-85
SILICA, AMORPHOUS	7631-86-9	10-15
Methyltriacetoxysilane	4253-34-3	1-5
IRON OXIDE	1309-37-1	1-5
ACETIC ACID	64-19-7	***

***When this product is exposed to moisture, 1-5% acetic acid is formed.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
SILICA, AMORPHOUS	10mg/m3 TWA	6mg/m3 TWA	None
IRON OXIDE	5 mg/M3 (Fe)	10 mg/M3 (Fe) particulate	None
ACETIC ACID	10 ppm TWA 25 mg/m3	10 ppm TWA 25 mg/m3	None
Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)	
ACETIC ACID	15 ppm 37 mg/m3	None	

3. HAZARDS IDENTIFICATION

Toxicity: Eye and skin irritant. Oral LD50 = 2060 mg/kg. When heated to temperatures above 300 F (150 F) in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate eyes, nose and throat. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde.

Primary Routes of Entry: None known

Signs and Symptoms of Exposure: Acetic acid produced during cure irritates eyes, nose, and throat.

Existing Conditions Aggravated by Exposure: Methyltriacetoxysilane: Eye, skin, and pulmonary disorders.

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen		
		NTP	IARC	OSHA
Poly(dimethylsiloxane), dimethyl	IRR	NO	NO	NO
SILICA, AMORPHOUS	NUI	NO	N/A	NO
Methyltriacetoxysilane	No Data	NO	NO	NO
IRON OXIDE	AC4 ALG LUN	NO	N/A	NO
ACETIC ACID	COR EYE GAS IMM IRR	NO	NO	NO

Abbreviations

N/A Not Applicable
 ALG Allergen
 EYE Eyes
 IMM Immune system
 LUN Lung
 AC4 ACGIH-Unclassifiable as human carc.
 COR Corrosive
 GAS Gastrointestinal
 IRR Irritant
 NUI Nuisance dust

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4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.
 Inhalation: Remove to fresh air. Treat symptomatically.
 Skin Contact: Wipe off paste with paper towel or cloth. Wash exposed area with soap and water.
 Eye Contact: Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: More than 200°F Method: Tag Closed Cup
 Recommended Extinguishing Agents: Carbon dioxide, foam, dry chemical
 Special Firefighting Procedures: Not available
 Hazardous Products formed by Fire or Thermal Decomposition: Acetic acid, formaldehyde, silica fume.
 Unusual Fire or Explosion Hazards: None
 Explosive Limits:
 (% by volume in air) Lower Acetic acid: 4%
 (% by volume in air) Upper Acetic acid: 19.9% at 200°F

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Wipe or scrape up spilled material. Maintain good ventilation for large spills. Place scrap material in a well ventilated place and allow to cure to rubber.

7. HANDLING AND STORAGE

Safe Storage: Store in a dry area below 90°F. Keep container closed when not in use.
 (Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
 Handling: Avoid breathing vapor. Avoid eye or skin contact. Acetic acid vapor released during application and cure. do not wear contact lenses while applying material. Vapor may be trapped under lens.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
 Skin: Rubber or plastic gloves.
 Ventilation: Provide local ventilation for prolonged use in confined area.
 Respiratory: Not available
 See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red paste
 Odor: Sharp, Irritating
 Boiling Point: Not Applicable, Polymeric material
 pH: Does not apply
 Solubility in Water: Not available
 Specific Gravity: 1.05
 Volatile Organic Compound (EPA Method 24): 4.8%
 Vapor Pressure: 10mm at 80°F
 Vapor Density: Not available
 Evaporation Rate (Ether = 1): Not available

10. STABILITY AND REACTIVITY

Stability: Stable
 Hazardous Polymerization: Will not occur
 Incompatibility: Polymerized by contact with moisture. Acetic acid liberated.
 Conditions to Avoid: Not available
 Hazardous Decomposition Products (non-thermal): None

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11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
 EPA Hazardous Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)
 Domestic Ground Transport
 Proper Shipping Name: Unrestricted
 Hazard Class or Division: Unrestricted
 Identification Number: None
 Marine Pollutant: None
 IATA
 Proper Shipping Name: Unrestricted
 Class or Division: Unrestricted
 UN or ID Number: None

15. REGULATORY INFORMATION

CA Proposition 65: No Prop65 chemicals are known to be present.

16. OTHER INFORMATION

Estimated NFPA(R) Code:
 Health Hazard: 1
 Fire Hazard: 1
 Reactivity Hazard: 0
 Specific Hazard: Does not apply

Estimated HMIS(R) Code:
 Health Hazard: 1*
 Flammability Hazard: 1
 Reactivity Hazards: 0
 Personal Protection: See Section 8.

NFPA is a registered trademark of the National Fire Protection Assn.
 HMIS is a registered trademark of the National Paint and Coatings Assn.

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