

REC'D APR 29 1999

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Sensor-Safe Blue RTV Silicone Gasket Maker
Item No.: 80628
Part No.: 6C
Product Type: Silicone

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2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Poly(dimethylsiloxane), hydroxy terminated	70131-67-8	60-80
Poly(dimethylsiloxane), dimethyl	63148-62-9	3-30
SILICA, AMORPHOUS	7631-86-9	0-30
Siloxane treated fumed silica	68583-49-3	0-30
Methyltriacetoxysilane	4253-34-3	1-5
Ethyltriacetoxysilane	17689-77-9	0-5
Blue pigment	1345-16-0	0.1-1
ACETIC ACID	64-19-7	***

SLT00002
X35100259-01-0

*** Up to 5% acetic acid may be released upon exposure to moisture.

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
SILICA, AMORPHOUS	10mg/m3 TWA	6mg/m3 TWA	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: Eyes and skin irritant. May also irritate lips, gums, tongue, mouth, nose, and throat. May be harmful if swallowed. When heated to temperatures above 300°F (150°C) 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: Skin, eyes, inhalation.

Signs and Symptoms of Exposure: Acetic acid produced during cure irritates eyes, nose, and throat. Repeated skin contact may cause allergic skin reactions.

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), hydroxy terminated	NTD	NO	NO	NO
Poly(dimethylsiloxane), dimethyl	IRR	NO	NO	NO
SILICA, AMORPHOUS	NUI	NO	N/A	NO
Siloxane treated fumed silica	No Data	NO	NO	NO
Methyltriacetoxysilane	NTD	NO	NO	NO
Ethyltriacetoxysilane	No Data	NO	NO	NO
Blue pigment	No Data	NO	NO	NO
ACETIC ACID	ALG COR EYE GAS IMM IRR KID	NO	NO	NO

Abbreviations

N/A Not Applicable
COR Corrosive
GAS Gastrointestinal
IRR Irritant
ALG Allergen
EYE Eyes
IMM Immune system
KID Kidney

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5954

3. HAZARDS IDENTIFICATION

(continued)

NTD No Target Organs NUI Nuisance dust

4. FIRST AID MEASURES

Ingestion: Rinse mouth with water several times. 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 detergent and water. Obtain medical attention if irritation or other ill effects develop or persist.
 Eye Contact: Immediately flush at least 15 minutes with plenty of water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: More than 200°F Method: Tag Closed Cup
 Recommended Extinguishing Agents: Large fires: Dry chemical, foam, water spray. Small fires: Carbon dioxide, dry chemical, water spray.
 Special Firefighting Procedures: Use water spray to keep fire exposed containers cool.
 Hazardous Products formed by Fire or Thermal Decomp: Acetic acid, formaldehyde, silica fume, oxides of carbon and nitrogen, metal oxides, incompletely burned carbon compounds.
 Unusual Fire or Explosion Hazards: None
 Explosive Limits: (% by volume in air) Lower: Not available (% by volume in air) Upper: Not available

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case of spill or leak: Wear proper protection equipment as specified in Section X. Wipe, scrape, or soak up spilled material with an inert absorbent. Maintain good ventilation for large spills. Place scrap material in a well ventilated place and allow to cure to rubber. Wash walking surface with detergent and water to reduce slipping hazard.

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. Wash at meal times and at end of shift.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
 Skin: Cloth gloves under rubber or plastic gloves. Contaminated clothes and shoes should be removed as soon as practical and thoroughly cleaned before reuse.
 Ventilation: Provide mechanical ventilation sufficient to maintain vapor concentration below TLV.
 Respiratory: Use approved NIOSH respiratory protection if TLV is exceeded or overexposure is likely.
 See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue paste
 Odor: Acetic acid
 Boiling Point: Not Applicable, Polymeric material
 pH: Does not apply
 Solubility in Water: Polymerized
 Specific Gravity: 1.04 at 70 F to 77 F
 Volatile Organic Compound (EPA Method 24) 4.6%, 47.8 grams per liter

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9. PHYSICAL AND CHEMICAL PROPERTIES (continued)

Vapor Pressure: Less than 5 mm at 80° F
 Vapor Density: Not available
 Evaporation Rate (Ether = 1): More than 1

5954

10. STABILITY AND REACTIVITY

Stability: Stable
 Hazardous Polymerization: Will not occur
 Incompatibility: Oxidizing material.
 Polymerized by contact with moisture.
 Conditions to Avoid: Not available
 Hazardous Decomposition Products (non-thermal): Acetic acid

11. TOXICOLOGICAL INFORMATION

Hydroxy terminated silicone:
 Oral LD50 more than 40,000 mg/kg (rat)
 Inhalation LC50 more than 535 mg/liter (rat)
 Methyltriacetoxysilane: Oral LD50 = 2060 mg/kg.
 Siloxane treated fumed silica:
 Estimated oral LD50 more than 40,000 mg/kg (rat)
 Estimated inhalation LC50 more than 535 mg/liter (rat)

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Cured rubber scrap can be incinerated. Follow 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: 2
 Fire Hazard: 1
 Reactivity Hazard: 0
 Specific Hazard: Does not apply

Estimated HMIS(R) Code:
 Health Hazard: 2
 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.

Prepared By: Stephen Repetto
 Title: Research Chemist; Safety, Health & Regulatory Affairs
 Company: Loctite Corp., 1001 Tr Br Cr, Rocky Hill CT 06067
 (24hr.) Phone: (860) 571-5100
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