

REC'D AUG 04 1998

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Ultra Blue(R) Sensor-Safe RTV Silicone Gasket  
 Maker: 81725  
 Item No.: 77C  
 Part No.: RTV Silicone  
 Product Type:

5958  
 SLT00008

2. COMPOSITION, INFORMATION ON INGREDIENTS

| Ingredients                                | CAS No.     | %     |
|--|-------------|-------|
| Poly(dimethylsiloxane), hydroxy terminated | 70131-67-8  | 35-40 |
| Calcium carbonate                          | 471-34-1    | 30-35 |
| Poly(dimethylsiloxane), dimethyl           | 63148-62-9  | 15-20 |
| Modified silicon dioxide                   | 68611-44-9  | 5-10  |
| Vinyl oximosilane                          | 2224-33-1   | 3-5   |
| Substituted silane                         | Proprietary | 0.1-1 |
| Methyl ethyl ketoxime                      | Proprietary | ***   |

\*\*\*When this product is exposed to moisture, 5-10% methyl ethyl ketoxime is formed.

Ingredients which have exposure limits

| Exposure Limits (TWA) Ingredients | ACGIH (TLV)   | OSHA (PEL)                       | OTHER                    |
|-----------------------------------|---------------|----------------------------------|--------------------------|
| Calcium carbonate                 | 10 mg/m3 dust | 15 mg/m3 dust<br>5 mg/m3 respir. | None                     |
| Modified silicon dioxide          | 10 mg/m3      | 6 mg/m3                          | 6 mg/m3                  |
| Methyl ethyl ketoxime             | None          | None                             | 3 ppm TWA<br>10 ppm STEL |

  

| Exposure Limits (STEL) Ingredients | ACGIH (TLV) | OSHA (PEL) |
|------------------------------------|-------------|------------|
|                                    |             |            |

3. HAZARDS IDENTIFICATION

Toxicity: Eye and skin irritant. Moderately toxic by ingestion. 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: Skin absorption, ingestion, inhalation.

Signs and Symptoms of Exposure: Methyl ethyl ketoxime produced during cure is toxic and irritates eyes, nose and throat.

Existing Conditions Aggravated by Exposure: Dermatitis

| Ingredients                                | Literature Referenced Target Organ and Other Health Effects | Carcinogen |      |      |
|--|---|------------|------|------|
|  |   | NTP        | IARC | OSHA |
| Poly(dimethylsiloxane), hydroxy terminated | No Data   | NO         | NO   | NO   |
| Calcium carbonate                          | NUI   | NO         | NO   | NO   |
| Poly(dimethylsiloxane), dimethyl           | IRR   | NO         | NO   | NO   |
| Modified silicon dioxide                   | NUI   | NO         | NO   | NO   |
| Vinyl oximosilane                          | No Data   | NO         | NO   | NO   |
| Substituted silane                         | No Data   | NO         | NO   | NO   |
| Methyl ethyl ketoxime                      | ALG BLO CNS IRR   | NO         | NO   | NO   |

Abbreviations

ALG Allergen  
 CNS Central nervous system  
 NUI Nuisance dust  
 BLO Blood  
 IRR Irritant

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4. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Keep individual calm. Obtain medical attention.  
 Inhalation: Remove to fresh air. If symptoms persist, obtain medical attention.  
 Skin Contact: Wipe off paste with paper towel or cloth. Wash thoroughly 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 Decomp: Formaldehyde, silica fume  
 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: Wipe or scrape up spilled material. Maintain good ventilation for large spills. Place scrap material in a well ventilated area and allow to cure to rubber.

7. HANDLING AND STORAGE

Safe Storage: Store in a dry area below 90°F. Keep containers closed when not in use.  
 (Contact Loctite Customer Service 1-800-243-4874 for shelf life information)  
 Handling: Avoid skin and eye contact. Avoid breathing vapor. 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 a confined area.  
 Respiratory: NIOSH/MSHA approved respirator when ventilation is inadequate.  
 See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue paste  
 Odor: Mild  
 Boiling Point: Not Applicable, Polymeric  
 pH: 7-8  
 Solubility in Water: Polymerized.  
 Specific Gravity: 1.31 at 75 F  
 Volatile Organic Compound (EPA Method 24): 3.9%; 50.7 grams per liter  
 Vapor Pressure: Less than 5mm at 70 F  
 Vapor Density: 3.0  
 Evaporation Rate (Ether = 1): Not available

10. STABILITY AND REACTIVITY

Stability: Stable  
 Hazardous Polymerization: Will not occur  
 Incompatibility: Strong oxidizers. Polymerized by contact with moisture.  
 Conditions to Avoid: Not available  
 Hazardous Decomposition Products (non-thermal): Methyl ethyl ketoxime

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11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Cured rubber can be incinerated 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: No water.  
 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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