

REC'D AUG 04 1998

MATERIAL SAFETY DATA SHEET

5955
SLT00007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Silicone Adh/Sealant Aluminum
Item No.: 82236
Product Type: Silicone

2. COMPOSITION, INFORMATION ON INGREDIENTS

| Ingredients | CAS No. | % |
|----------------------------------|------------|-------|
| Poly(dimethylsiloxane), dimethyl | 63148-62-9 | 85-90 |
| SILICA, AMORPHOUS | 7631-86-9 | 5-10 |
| Ethyltriacetoxysilane | 17689-77-9 | 1-5 |
| Methyltriacetoxysilane | 4253-34-3 | 1-5 |
| ACETIC ACID | 64-19-7 | *** |

***When this product is exposed to moisture, 1-3% acetic acid may be formed.

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: Eye and skin irritant. Oral LD50 = 2060 mg/kg.
 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 |
| Ethyltriacetoxysilane | No Data | NO | NO | NO |
| Methyltriacetoxysilane | No Data | NO | NO | NO |
| ACETIC ACID | COR EYE GAS IMM IRR | NO | NO | NO |

Abbreviations

N/A Not Applicable
 EYE Eyes
 IMM Immune system
 NUI Nuisance dust
 COR Corrosive
 GAS Gastrointestinal
 IRR Irritant

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

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Product Name: Silicone Adh/Sealant Aluminum
 Item No.: 82236

5955

(continued)

5. FIRE FIGHTING MEASURES

Hazardous Products formed by Fire or Thermal Decomp: 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.

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: Aluminum paste
 Odor: Sharp, Irritating
 Boiling Point: Not Applicable, Polymeric material
 pH: Does not apply
 Solubility in Water: Polymerized
 Specific Gravity: 1.01
 Volatile Organic Compound (EPA Method 24): 4.2%
 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

11. TOXICOLOGICAL INFORMATION

See Section 3.

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

MATERIAL SAFETY DATA SHEET

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Item No.: 82236

5955

14. TRANSPORTATION INFORMATION

(continued)

| | |
|---------------------------|--------------|
| 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: Not available

16. OTHER INFORMATION

| | |
|-------------------------|----------------|
| Estimated NFPA(R) Code: | |
| Health Hazard: | 2 |
| Fire Hazard: | 1 |
| Reactivity Hazard: | 1 |
| Specific Hazard: | Does not apply |

| | |
|-------------------------|----------------|
| Estimated HMIS(R) Code: | |
| Health Hazard: | 2 |
| Flammability Hazard: | 1 |
| Reactivity Hazards: | 1 |
| Personal Protection: | See Section 8. |

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