

REC'D AUG 04 1998

MATERIAL SAFETY DATA SHEET

**5956**  
 SLT00006

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Silicon Rubber Adh Slt White  
 Item No.: 81912  
 Product Type: Silicone

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
Poly(dimethylsiloxane), dimethyl	63148-62-9	85-90
SILICA, AMORPHOUS, FUMED, CRYSTALLINE-FREE	112945-52-5	5-10
Ethyltriacetoxysilane	17689-77-9	1-5
Methyltriacetoxysilane	4253-34-3	1-5
TITANIUM DIOXIDE	13463-67-7	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, FUMED, CRYSTALLINE-FREE	10 mg/m3 TWA	6 mg/m3 TWA	3 mg/m3 TWA resp. dust
TITANIUM DIOXIDE	10 mg/m3 dust	15 mg/m3 dust	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, FUMED, CRYSTALLINE-FREE	NUI	NO	N/A	NO
Ethyltriacetoxysilane	No Data	NO	NO	NO
Methyltriacetoxysilane	No Data	NO	NO	NO
TITANIUM DIOXIDE	AC4 IRR NUI	NO	NO	NO
ACETIC ACID	COR EYE GAS IMM IRR	NO	NO	NO

Abbreviations

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

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

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4. FIRST AID MEASURES

medical attention.

5. FIRE FIGHTING MEASURESFlash 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 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 MEASURESSteps 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 eye or skin contact. Avoid breathing vapor.

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:

White paste

Odor:

Acetic Acid

Boiling Point:

Not Applicable, polymeric material

pH:

Does not apply

Solubility in Water:

Polymerized

Specific Gravity

1.01

Volatile Organic Compound

(EPA Method 24)

4.3%; 43.43 g/l

Vapor Pressure:

10mm at 70 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 CONSIDERATIONSRecommended methods of  
disposal:Cured rubber can be incinerated. Follow EPA local  
regulations.

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13. DISPOSAL CONSIDERATIONS

(continued)

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: 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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 HMIS is a registered trademark of the National Paint and Coatings Assn.

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