

MATERIAL SAFETY DATA SHEET (MSDS)

PRODUCT: AS157 High Temperature, High Strength Silicone Adhesive Sealant

1. Chemical Product and Company Identification

Manufactured By: Silicone Solutions (SS-67A REF.)
 1670-C Enterprise Parkway
 Twinsburg, Ohio 44087

Emergency Phone: 330-405-4595

Revised: 10-12-97
Preparer: David M. Brassard
Chemical Family: Silicone Rubber
Formula: Mixture

2. Composition / Information on Ingredients

Product Composition CAS Reg. No.	Approx. % Wt.	ACGIH TWA	TLV STEL	OSHA TWA	PEL STEL	Units
A. HAZARDOUS	NONE FOUND					
B. NON HAZARDOUS						
Polydimethylsiloxane 70131-67-8	45-60	--	NE	--	NE	NA
Dimethylpolysiloxane 63148-62-9	15-50	NE	NE	NE	NE	NA
Silica 68611-44-9	10-19	10	10	10	15	mg/m3
Methyltriacetoxysilane 4253-34-3	3.0-12.0	10	NE	10	NE	ppm
Trade Secret Component	2-8	NE	NE	NE	NE	NA
Trade Secret Component	1-5	NE	NE	NE	NE	NA
Dibutyltindilaurate	0.1-3.0	NE	NE	NE	NE	NA

3. HAZARDS IDENTIFICATION

Potential Health Effects:

Ingestion: ----- NONE KNOWN

Skin Contact: ----- UNCURED PRODUCT WILL IRRITATE LIPS, GUMS AND TONGUE.
 ----- UNCURED PRODUCT MAY IRRITATE THE SKIN.

Inhalation: ----- CAUSES IRRITATION TO THE MOUTH, NOSE AND THROAT.
 ----- THIS APPLIES IN THE UNCURED STATE ONLY.

Eye Contact: ----- UNCURED PRODUCT CONTACT IRRITATES EYES.

Medical Conditions Aggravated: ----- NONE KNOWN

Subchronic (TARGET ORGAN) Effects: ----- NONE KNOWN

Chronic Effects/Carcinogenity: ----- THIS PRODUCT OR ONE OF IT'S INGREDIENTS PRESENT 0.1% or MORE IS NOT LISTED OR SUSPECTED AS A CARCINOGEN BY NTP, IARC OR OSHA

Principle Routes of Exposure: ----- NONE KNOWN

Other: ----- ACETIC ACID RELEASED DURING CURE.
 ----- This product contains methylpolysiloxanes which can generate formaldehyde upon exposure above 300 degrees Centigrade in atmospheres which contain oxygen.
 ----- Formaldehyde is a skin, eye, and throat irritant.

4. FIRST AID MEASURES

Ingestion: -----	RINSE MOUTH WITH WATER SEVERAL TIMES
Skin: -----	REMOVE COMPLETELY WITH A DRY CLOTH OR PAPER TOWEL.
	WASH WITH SOAP AND WATER.
Inhalation: -----	MOVE PERSON TO FRESH AIR.
In case of eye contact: -----	FLUSH WITH WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION IF IRRITATION PERSISTS.
Note to physician: -----	NONE KNOWN

5. FIREFIGHTING MEASURES

Flash point: -----	>300°C or 600°F
Ignition temp. -----	Unknown
Flammable limits in air - upper % -----	NA
Sensitivity to mechanical impact: -----	NO
Sensitivity to static discharge: -----	NO
Extinguishing media: -----	ALL STANDARD FIREFIGHTING MEDIA
Special firefighting procedures: -----	NONE KNOWN

6. ACCIDENTAL RELEASE MEASURES

Action to be taken if material is released or spilled: -----	SCRAPE-UP and PLACE IN AN INERT MATERIAL FOR DISPOSAL
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7. HANDLING and STORAGE

Precautions to be taken during handling and storage: -----	CURE ONLY WHERE APPROPRIATE VENTILATION SYSTEMS EXIST.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: -----	NONE KNOWN
Respiratory protection: -----	NONE REQUIRED
Protective gloves: -----	CLOTH GLOVES
Eye and face protection: -----	SAFETY GLASSES
Other protective equipment: -----	NONE REQUIRED
Ventilation: -----	CURE IN WELL VENTILATED AREAS

9. PHYSICAL and CHEMICAL PROPERTIES

Boiling point: -----	NA
Vapor pressure: -----	NA
Vapor density: -----	NA
Freezing point: -----	NA
Melting point: -----	NA
Physical state: -----	PASTE
Odor: -----	VINEGAR
% Volatile by volume: -----	<3
Evaporation rate: -----	<1
Specific gravity: -----	1.12
Density: (Kg/M3) -----	1120
Acid/alkalinity -----	SLIGHTLY ACIDIC
PH: -----	NA
VOC: -----	NT
Solubility in water: -----	INSOLUBLE
Solubility in organic solvents: -----	PARTIALLY SOLUBLE IN TOLUENE

10. STABILITY and REACTIVITY

Stability: ----- **STABLE**
 Hazardous polymerization: ----- **WILL NOT OCCUR**
 Hazardous thermal decomposition/combustion products: ----- **CARBON DIOXIDE, CARBON MONOXIDE
 SILICON DIOXIDE, FORMALDEHYDE, ACETIC ACID**
 Conditions to avoid: ----- **NONE KNOWN**

11. TOXICOLOGICAL INFORMATION

Product Information:
 Acute Oral LD50: ----- **UNKNOWN**
 Acute Dermal LD50: ----- **UNKNOWN**
 Acute Inhalation LC50: ----- **UNKNOWN**
 Ames Test: ----- **UNKNOWN**

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: ----- **UNKNOWN**
 Chemical Fate Information: ----- **UNKNOWN**

13. DISPOSAL CONSIDERATIONS

Disposal Method: ----- **DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH
 FEDERAL, STATE, AND LOCAL CONSIDERATIONS**

14. TRANSPORT INFORMATION

DOT Shipping Name: ----- **NA**
 DOT Hazard Class: ----- **NOT DOT REGULATED**
 DOT Label: ----- **NA**
 UN/NA Label: ----- **NA**
 Placards: ----- **None**
 IATA: ----- **NA**
 IMO IMDG-code: ----- **NA**
 European Class:
 RID (OCTI): ----- **NA**
 ADR (ECE): ----- **NA**
 RAR (IATA): ----- **NA**

15. REGULATORY INFORMATION

SARA Section 302: ----- **NONE FOUND**
 SARA (311, 312) Hazard Class: ----- **NONE**
 SARA (313) Chemicals: ----- **NONE**
 CPSC Classification: ----- **NA**
 WHMIS Hazard Class: ----- **NONE**
 Export Schdle B/HTSUS ----- **3910.00 Silicones in primary form.**
 ECCN: ----- **EAR99**
 Hazard Rating Systems
 HMIS: ----- **HEALTH 1, FLAMMABILITY 0, REACTIVITY 0**
 NFPA: ----- **HEALTH 1, FLAMMABILITY 0, REACTIVITY 0**
 California Proposition 65: ----- **NONE**

16. OTHER

This product or its components are on the European inventory (EINECS) of existing commercial chemicals. This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.