

MATERIAL SAFETY DATA SHEET (MSDS)

PRODUCT: AS159 High Temperature, High Strength Silicone Adhesive Sealant

1. Chemical Product and Company Identification

Manufactured By: Silicone Solutions (SS-69 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	45-60		NE		NE	NA
70131-67-8						
Dimethylpolysiloxane	15-50	NE	NE	NE	NE	NA
63148-62-9						
Silica	10-19	10	10	10	15	mg/m3
68611-44-9						
Methyltriacetoxysilane	3.0-12.0	10	NE	10	NE	ppm
4253-34-3						
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
Red Iron Oxide	2.0-5.0	NE	NE	NE	NE	NA
1332-37-2						

3. HAZARDS IDENTIFICATION

Potential	Health	Effects:
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Potential Health Effects:	
Ingestion:	- MAY BE HARMFUL IF SWALLOWED
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
Ç ,	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:	REMOVE COMPLETELY WITH A DRY CLOTH OR PAPERTOWEL.
Inhalation:	WASH WITH SOAP AND WATER MOVE PERSON TO FRESH AIR
	FLUSH WITH WATER FOR 15 MINUTES AND GET
Note to physician:	MEDICAL ATTENTION IF IRRITATION PERSISTS NONE KNOWN
5. FIREFIGHTING MEASURES	
Flash point:	>300°C or 600°F
Method:	
Ignition temp	
Flammable limits in air - lower %	
Flammable limits in air - upper %	
Sensitivity to mechanical impact:	NO
Sensitivity to mechanical impactSensitivity 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
7. HANDLING and STORAGE	
	CUDE ONLY WHERE ADDRODDIATE
Precautions to be taken during handling and storage:	
	VENTILATION SYSTEMS EXIST.
8. EXPOSURE CONTROLS / PERSONAL PROTECTION	
Engineering controls:	NONE KNOWN
Respiratory protection:	
Protective gloves:	
Eye and face protection:	
Other protective equipment:	
Ventilation:	CURE IN WELL VENTILATED AREAS
9. PHYSICAL and CHEMICAL PROPERTIES	
Boiling point:	NA
Vapor pressure:	NA
Vapor density:	NA
Freezing point:	
Melting point:	
Physical state:	PASTE
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Odor: % Volatile by volume:	
% Volatile by volume:	<3
Evaporation rate:	
Specific gravity:	
Density: (Kg/M3)	
Acid/alkalinity	
PH:	NA
VOC:	
Solubility in water:	
Solubility in organic solvents:	PARTIALLY SOLUBLE IN TOLUENE
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#### 10. STABILITY and REACTIVITY

## 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:
 NA

 ADR ( ECE ):
 NA

 RAR ( IATA ):
 NA

## 15. REGULATORY INFORMATION

SARA Section 302:	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.