

MATERIAL SAFETY DATA SHEET

1. Chemical Product and Company Identification

PRODUCT: ASI 502

Manufactured by: American Sealants, Inc
3806 Option Pass
Fort Wayne, IN 46818

Revised: 02/06/06
Chemical Family/Use: Silicone Rubber
Formula: Mixture

Generic Description: Silicone Elastomer

NFPA Profile: Health NA

Flammability (NFPA): 0

Reactivity 0

Physical Form: Paste

Color: All Colors

Odor: Some Odor

CAS NO: Mixture

Health (NFPA): 2

Note: NFPA = National Fire Protection Association

2. Composition/Information of Ingredients

<u>Product Composition</u> <u>CAC REG NO.</u>	<u>Approx.</u> <u>Wgt. %</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>		
		<u>TWA</u>	<u>STEL</u>	<u>TWA</u>	<u>STEL</u>	<u>UNITS</u>
1. Hazardous						
Methyltriacetoxysilane 4253-34-3	1 - 5	10(R)	NE	10(R)	NE	PPM
B. Non Hazardous						
Trade Secret Component	5 - 10	NF	NE	NF	NE	NA
Trade Secret Component	5 - 10	10	NE	15	NE	MG/M3
Dimethyl Polsiloxane Silanol/St 70131-67-8	60 - 80	NA	NE	NA	NE	NA
Dimethylpolysiloxane 63148-62-9	5-10	NA	NE	NA	NE	NA

3. Hazards Identification

Emergency Overview:

White Solid
Vinegar Odor
Avoid contact with eyes
May irritate the skin
Uncured product contact irritates eyes
Refer to other MSDS sections for detailed information

Potential Health Effects:

Ingestion:

May be harmful if swallowed

Skin Contact:

Uncured product contact will irritate lips, gums and tongue.
Uncured product contact may irritate skin

Inhalation:

Causes mild respiratory irritation. Applies only in uncured state.

Eye Contact:

Uncured product contact irritates Eyes.

Medical Conditions Aggravated:

Respiratory

Subchronic (Target Organ) Effects:

None Known

Chronic Effects/Carcinogenicity:

This product or one of its ingredients present 0.1 % or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA

Products/Ingredients:

This space reserved for special use.

Principle routes or exposure:

Dermal - skin
Eyes
Inhalation

Other:

Acetic Acid released during curing
This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 EF (150EC) and above, in atmospheres which contain oxygen
Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard.

4. FIRST AID MEASURES

- Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
- Skin:** To clean form skin, remove completely with a dry cloth or paper towel, before washing with detergent and water. Get medical attention if irritation persists.
- Inhalation:** Move person to fresh air.
- Eyes:** In case of contact, immediately flush eyes with plenty of water for a least 15 minutes and get Medical attention if irritation persists.
- Note to Physician:** None Known

5. FIRE FIGHTING MEASURES

- | | | | |
|--|--|--------|-----|
| Flash Point: | NA | (C)NA | (F) |
| Method: | NA | | |
| Ignition Temp: | UNK | (C)UNK | (F) |
| Flammable Limits in air - Lower (%): | UNK | | |
| Flammable Limits in air - Upper (%): | UNK | | |
| Sensitivity to Mechanical Impact (Y/N): | No | | |
| Sensitivity to Static Discharge: | Sensitivity to static discharge is not expected. | | |
| Extinguishing Media: | All standard Fire-fighting media | | |
| Special Fire-fighting Procedures: | None Known. | | |

6. ACCIDENTAL RELEASE MEASURES

Action To Be Taken If Material Is Released Or Spilled:

Wipe, scrape or soak up in any inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.

7. HANDLING AND STORAGE

Precautions to be taken in handling and storage:

Avoid contact with skin and eyes. (Caution) Remove contact lenses before using sealant. Do not handle lense until all sealant has been cleaned from the fingertips, nails, and cuticles. Residual sealant my remain on fingers for several days and transfer to lenses and cause severe eye irritation. Product releases acetic acid during application and curing. Use mechanical ventilation to stay below TLV or 10 ppm acetic acid. Uncured product contact irritates eye. Uncured product contact may irritate skin. Use in a well ventilated area to prevent irritation by vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Eyewash stations
Use in a well ventilated area.
Localized ventilation should be used to control dust levels.

Respiratory Protection:

Use in a well ventilated area.

Protective Gloves:

Cloth gloves

Eye and Face Protection:

Safety Glasses

Other protective Equipment:

None Known

Ventilation:

Use only in well ventilated areas. Mechanical ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES**Product Information:**

Boiling Point	:	NA	(C)NA	(F)
Vapor Pressure (20C) (MM HG)	:	NA		
Vapor Density (Air =1)	:	NA		
Freezing Point	:	NA	(C)NA	(F)
Melting Point	:	NA	(C)NA	(F)
Physical State	:	Solid		
Odor	:	Acetic Acid		
Colors	:	Clear, White, Black, Bronze, Aluminum		
Odor Threshold (ppm)	:	UNK		
% Volatile by Volume	:	<8		
Evap. Rate (Butyl Acetate=1)	:	<1		
Specific Gravity (Water=1)	:	1.01		
Density (KG/M3)	:	1040		
Acid/Alkalinity (MEQ/G)	:	UNK		
PH	:	NA		
VOC (EPA METH.24) (G/L)	:	31		
Solubility in Water (20C)	:	Insoluble		
Solubility in Organic Solvent (State Solvent):		Toluene		

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will Not Occur
Hazardous Thermal Decomposition/Combustion Products:	
	Carbon monoxide
	Carbon Dioxide
	Silicone Dioxide
	Acetic Acid
	Formaldehyde
Incompatibility (Materials to Avoid):	None Known
Conditions to Avoid:	None Known

11. TOXICOLOGICAL INFORMATION

Methyltriacetoxysilane	
Acute Oral LD50 (MG/KG):	2,060 (RAT)
Acute Dermal LD50(MG/KG):	None Found
Acute Inhalation LC50(MG/L):	None Found
Other:	None

AMES Test:**Trade Secret Component**

Acute oral LF50 (MG/KG): >40,000 RAT,ESTM

Acute Dermal LD50(MG/KG): None Found
Acute inhalation LC50(MG/L): >535 MG/L ESTM
Other: None

AMES Test:

Dimethyl Polysiloxane Silanol/ST
Acute Oral LD50 (MG/KG): RAT >40,000
Acute Dermal LD50 (MG/KG): Unknown
Acute Inhalation LC50 (MG/L): RAT .535 MG/L (4 Hr)
Other: Non-irritating to skin (rbt)

AMES Test

Dimethylpolysiloxane
Acute Oral LD50 (MG/KG): 20,000 RAT
Acute Dermal LD50 (MG/KG): None
Acute Inhalation LC50 (MG/L): None
Other: Tested for acute oral L 50

12. ECOLOGICAL INFORMATION

Exotoxicological Information: No data at this time
Chemical fate information: No data at this time

13. DISPOSAL CONSIDERATIONS

Disposal Method: Disposal should be made in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT Shipping Name: None
DOT Hazard Class: None
DOT Label(s): None
UN/NA Number: None
Placards: None
IATA: N/A
IMO IMDG-Code: None
European Class:
RID (OCTI): None
ADR (ECE): None
RAR (IATA): None

15. REGULATORY INFORMATION

SARA Section 302: None Found
SARA (311,312) Hazard Class: Acute Health Hazard
SARA (313) Chemicals: None
CPSC Classification: Eye Irritant
WHMIS Trade Secret: None
EXPORT:
SCHDL B/HTSUS: 3910.00
ECCN: 1C96G
HAZARD RATING SYSTEMS
HMIS: Flammability 0, Reactivity 0, Health 2
NFPA: Flammability 0, Reactivity 0, Health 2

Supplemental State Compliance Information**California**

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

None known.

Massachusetts

CAS Number	Wt %	Component Name	
7631-86-9	7.0	13.0	Silica, amorphous

New Jersey

CAS Number	Wt %	Component Name	
70131-67-8	> 60.0	Dimethyl siloxane, hydroxy-terminated	
7631-86-9	7.0	13.0	Silica, amorphous
17689-77-9	1.0 - 5.0	Ethyltriacetoxysilane	
4253-34-3	1.0 - 5.0	Methyltriacetoxysilane	

Pennsylvania

CAS Number	Wt %	Component Name
70131-67-8	> 60.0	Dimethyl siloxane, hydroxy-terminated
7631-86-9	7.0 - 13.0	Silica, amorphous

16. OTHER INFORMATION

This data are offered in good faith as typical values and not as a product specifications. No warranty, wither 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.

C	= ceiling list	NEGL	= negligible
ESTM	= estimated	NF	= none found
NA	= not applicable	UNKN	= unknown
NE	= not established	REC	= recommended
ND	= not determined	V	= recommended by vendor
SKN	= Skin	TS	= trade secret
R	= recommended	MST	= mist
STEL	= short term exposure limit	NT	= not tested

By-product = reaction by-product, TSCA inventory status not required 40 CFR part 720.30 (h-2)