

# MATERIAL SAFETY DATA SHEET

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## Section 1. Product Identification

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**Product Code: ASI #505**  
**Military Specification : MIL-46106 Type 2**

**Released: 01/23/04**

**Manufacturer:** American Sealants, Inc.  
3806 Option Pass  
Fort Wayne, IN 46818

**Chemical Family:** Polysiloxane

**CAS #:** 70131-67-8

**Chemical Name & Synonyms:** Hydroxy-terminated  
Polydimethylsiloxane

**Emergency Number:** (800) 535-5053

**Formula:** Polysiloxane mixture with triacetoxo Silane

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## Section 2. Hazardous Components

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Ingredients	CAS #	OSHA PEL	ACGIH TLV
Not Applicable			

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## Section 3. Physical Properties

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**Boiling Point (F):** N/A  
**Vapor Pressure, 68°F mm. Hg:** N/A  
**Vapor Density (air=1):** N/A  
**Solubility in Water:** Insoluble  
**Appearance and Odor:** Clear Vinegar odor  
**Specific Gravity (Water = 1):** 1.04  
**Percent volatile (By weight):** <2  
**Evaporation Rate (Ether = 1):** N/A  
**Flash Point (F) (Method Used):** N/A  
**Flammable Limits in Air, % LEL:** N/A  
**UEL:** N/A

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## Section 4. Fire Hazards

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This material is a liquid which burns with difficulty, but will support combustion.

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## Section 5. Fire Fighting Techniques

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As in any fire, prevent human exposure to fire, smoke, fumes, or products combustion. Evacuate non-essential personnel from the fire area. Fire fighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Use standard fire fighting techniques to extinguish fires involving this material: Use water spray, dry chemicals or carbon dioxide.

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## Section 6. Toxicology

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Toxicological testing has not been conducted with this material

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## Section 7. Human Health Hazards

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**Eye Contact:** No toxic effects expected  
**Skin Contact:** No toxic effects expected  
**Inhalation:** No Toxic effect expected  
**Ingestion:** Not expected in industrial use  
**Acute effects of exposure:** None known  
**Chronic effects of exposure:** None Known

There are no data available which address medical conditions which are generally recognized as being aggravated by exposure to this product.

This material does not contain any ingredients listed by IARC, NTP or OSHA as carcinogens.

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## Section 8. First Aid

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**Eye Contact:** In case of contact, flush eyes well with water for 15 minutes obtain medical attention if irritation occurs.  
**Skin Contact:** Remove excess material from the skin with a waterless skin cleaner. Flush skin with plenty of water and wash well with water and soap. Remove contaminated clothing and shoes. Wash clothing before reuse. Obtain medical attention if irritation occurs.  
**Ingestion:** If swallowed, give several glasses of water but do not induce vomiting. If vomiting does occur, give fluids again. Have medical personnel determine if vomiting or evacuation or stomach is necessary. Do not give anything by mouth to an unconscious or convulsing person.  
**Inhalation:** If inhaled, remove to fresh air. Seek medical attention if respiratory irritation occurs or breathing becomes difficult.

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## Section 9. Industrial Hygiene

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**Engineering Controls:** In those cases where engineering controls are indicated by the use conditions, the following traditional exposure control techniques may be used to effectively minimize employee exposure: local exhaust ventilation, enclosed system design, process isolation and remote control in combination with appropriate use of personal protective equipment. Eye wash stations and safety showers should be easily assessable.  
**Ingestion:** All food should be kept in a separate area away from the storage/use location. Eating, drinking, and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Before eating, hands and face should be thoroughly washed.  
**Skin Contact:** Skin contact should be minimized through the use of gloves and suitable long-sleeved clothing selected with regard for use conditions exposure potential.  
**Eye Contact:** Eye contact should be avoided through the use of chemical safety glasses, goggles or a face shield selected with regard for use condition exposure potential.  
**Inhalation:** If use conditions generate airborne contamination, the material should be handled in an open (e.g., outdoor) or well ventilated area.  
**Exposure Limits:** No exposure limit has been established for this material. Exposure limits for its hazardous components, if any, are listed in section 1A on page1.

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## Section 10. Chemical Reactivity

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Relatively non-reactive.

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## Section 11. Stability

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Stable at ambient temperatures and atmospheric pressure.

HAZARDOUS DECOMPOSITION PRODUCTS: SiO<sub>2</sub>, CO, CO<sub>2</sub> and various hydrocarbon fragments.

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## **Section 12. Spill Handling**

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Make sure all personnel involved in the spill cleanup, follow food industries hygiene practices (refer to Section VII: Industrial Hygiene).

(See Section for Disposal of Unused Material)

Absorb spill with sand or Fuller's Earth. Sweep up and place in an appropriate chemical waste container. Flush spill area with water. Observe all local, state, and federal laws and regulations regarding disposal, spill cleanup and removal or discharge.

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## **Section 13. Storage Requirements**

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Store in a cool, dry, well ventilated area. Exercise due caution to prevent damage to the container.

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## **Section 14. Disposal of Unused Material**

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Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable regulations under the Resource Conservation and Recover Act. NOTE: State and local regulations may be more stringent than Federal.

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## **Section 15. Disposal of Container**

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Empty containers may contain residual material . Do not reuse container unless properly reconditioned.