



**ASI 502 White**

**Section 1: Product and Company Identification**

American Sealants, Inc. 9190 Yeager Ln Fort Wayne, Indiana 46809 Phone: 260-489-0728 Fax: 260-489-0519	<b>Emergency Phone Number</b> Infotrac: +1-800-535-5053 (Within US) Infotrac: +1-352-323-3500 (Outside US)
<b>Product Identifier:</b> ASI 502 White <b>Recommended Use:</b> Adhesive <b>Restrictions on Use:</b> None known	

**Section 2: Hazard(s) Identification**

**GHS Classification:** Not a hazardous substance or mixture.

**GHS Label Elements**

Symbol(s):	None.
Signal Word:	None.
Hazard Statement(s):	None known.

**Precautionary Statement(s)**

Prevention:	Use only outdoors or in a well-ventilated area. Avoid release to the environment.
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**Other hazards:** None known

**Section 3: Composition/Information on Ingredients**

Substance/Mixture: Mixture  
 Chemical Nature: Silicone elastomer

**Hazardous ingredients**

CAS	Component	Percent
7631-86-9	Silicon dioxide	5 - <10
13463-67-7	Titanium dioxide	1 - <5
7429-90-5	Aluminum	1 - <5
1333-86-4	Carbon black	0.1 - <1

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## Section 4: First-Aid Measures

Inhalation:	IF INHALED: Remove to fresh air. Get medical attention if symptoms occur.
Skin Contact:	IF ON SKIN: Wash with soap and water as a precaution. Get medical advice/attention if symptoms occur.
Eye Contact:	If eye irritation develops and persists: Get medical advice/attention.
Ingestion:	If swallowed, DO NOT induce vomiting. Get immediate medical attention if symptoms occur. Rinse mouth thoroughly with water.
Most important symptoms and effects, both acute and delayed:	None known.
Protection of first-aiders:	No special precautions are necessary for first aid responders.
Notes to physician:	Treat symptomatically and supportively.

## Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:	Use carbon dioxide, regular dry chemical, alcohol-resistant foam or water.
Unsuitable Extinguishing Media:	None known.
<b>Specific Hazards Arising from the Chemical</b>	
Hazardous Decomposition Products:	Upon decomposition, this product emits carbon oxides, silicon oxides, formaldehyde, and metal oxides.
Special Protective Equipment and Precautions for Firefighters:	Exposure to combustion products may be a hazard to health.  Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.
Specific extinguishing methods:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

## Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Follow safe handling advice and personal protective equipment recommendations.
Environment Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminate wash

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<p>Methods and Materials for Containment and Cleaning Up:</p>	<p>water. Local authorities should be advised if significant spillages cannot be contained.</p> <p>Absorb with inert absorbent material.                  For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent.                  Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases.</p>
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Section 7: Handling and Storage	
<p>Technical measures:</p>	<p>See Engineering measures under Exposure Controls/Personal Protection section.</p>
<p>Local/Total ventilation:</p>	<p>Use only with adequate ventilation.</p>
<p>Advice on safe handling:</p>	<p>Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment. Take care to prevent spills, waste and minimize release to the environment.</p>
<p>Conditions for safe storage:</p>	<p>Keep in properly labeled containers.                  Store in accordance with the particular national regulations.</p>
<p>Materials to avoid:</p>	<p>Do not store with the following product types:                  Strong oxidizing agents.</p>

Section 8: Exposure Controls/Personal Protection		
Component Exposure Limits		
CAS	Component	Exposure Limits
7631-86-9	Silicon dioxide	<p><b>OSHA Z-3:</b> 20 million particles/ft<sup>3</sup> (Silica) TWA (dust); 80 mg/m<sup>3</sup> / %SiO<sub>2</sub> (Silica) TWA (dust)</p> <p><b>NIOSH REL:</b> 6 mg/m<sup>3</sup> (Silica) TWA</p>
13463-67-7	Titanium dioxide	<p><b>ACGIH:</b> 10 mg/m<sup>3</sup> TWA</p> <p><b>OSHA Z-1:</b> 15 mg/m<sup>3</sup> TWA (total dust)</p>
7429-90-5	Aluminum	<p><b>ACGIH:</b> 1 mg/m<sup>3</sup> TWA (respirable fraction)</p> <p><b>OSHA Z-1:</b> 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)</p> <p><b>NIOSH REL:</b> 5 mg/m<sup>3</sup> TWA (respirable fraction); 10 mg/m<sup>3</sup> TWA (total); 5 mg/m<sup>3</sup> TWA (pyro powders)</p>
1333-86-4	Carbon black	<p><b>ACGIH:</b> 3 mg/m<sup>3</sup> TWA (inhalable fraction)</p> <p><b>OSHA Z-1:</b> 3.5 mg/m<sup>3</sup> TWA</p> <p><b>NIOSH REL:</b> 3.5 mg/m<sup>3</sup> TWA</p>
<p><b>These substance(s) are inextricably bound in the product and therefore do not contribute to a dust inhalation hazard.</b></p> <p style="margin-left: 20px;">Silicon dioxide                  Titanium dioxide                  Carbon black</p>		

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<b>Engineering measures:</b>	<p>Processing may form hazardous compounds (see section 10).                  Ensure adequate ventilation, especially in confined areas. Ensure compliance with applicable exposure limits.                  Dust formation may be relevant in the processing of this product. In addition to substance-specific OELs, general limitations of concentrations of particulates in the air at work-places have to be considered in workplace risk assessment.                  Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m<sup>3</sup> - total dust, 5 mg/m<sup>3</sup> - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m<sup>3</sup> - respirable particles, 10 mg/m<sup>3</sup> - inhalable particles.</p>
<b>Individual Protection Measures</b>	
Eye/Face Protection:	Wear safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Skin Protection:	Skin should be washed after contact.
Hand Protection:	Wash hands before breaks and at the end of workday.
Respiratory Protection:	General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.
Hygiene measures:	<p>Ensure that eye flushing systems and safety showers are located close to the working place.                  When using do not eat, drink or smoke.                  Wash contaminated clothing before re-use.                  These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.</p>

<b>Section 9: Physical and Chemical Properties</b>	
<p><b>Physical State:</b> Liquid  <b>Color:</b> In accordance with product description  <b>Odor:</b> Acetic Acid  <b>pH:</b> Not applicable  <b>Boiling Point:</b> Not applicable  <b>Flash Point:</b> &gt;100 °C (closed cup)  <b>OSHA Flammability Class:</b> Not classified as a flammability hazard  <b>Vapor Density (air = 1):</b> Not available  <b>Specific Gravity (water = 1):</b> Not available  <b>Log KOW:</b> Not available  <b>KOC:</b> Not available  <b>Viscosity:</b> Not applicable  <b>Volatility:</b> Not available</p>	<p><b>Appearance:</b> Paste  <b>Physical Form:</b> : Paste  <b>Odor Threshold:</b> Not available  <b>Melting Point:</b> Not available  <b>Decomposition:</b> Not available  <b>Evaporation Rate:</b> Not applicable  <b>Vapor Pressure:</b> Not applicable  <b>Density:</b> 1.007  <b>Water Solubility:</b> Not available  <b>Coeff. Water/Oil Dist:</b> Not available  <b>Auto Ignition:</b> Not available  <b>VOC:</b> Not available  <b>Molecular Formula:</b> Not available</p>

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<b>Section 10: Stability and Reactivity</b>	
Reactivity:	Not classified as a reactivity hazard.
Chemical Stability:	Stable at normal temperatures and pressure.
Possibility of Hazardous Reactions:	Use at elevated temperatures may form highly hazardous compounds. Can react with strong oxidizing agents. Acetic acid is formed upon contact with water or humid air. When heated to temperatures above 150 °C (300 °F) in the presence of air, trace quantities of formaldehyde may be released. See OSHA formaldehyde standard, 29 CFR 1910.1048 Hazardous decomposition products will be formed at elevated temperatures.
Conditions to Avoid:	None known.
Incompatible Materials:	Oxidizing agents.
Hazardous Decomposition Products:	Formaldehyde

<b>Section 11: Toxicological Information</b>					
<b><u>Acute Toxicity</u></b>					
Not classified based on available information.					
CAS	Component	Result	Species	Dose	Exposure
7631-86-9	Silicon dioxide	LD50 Oral	Rat	>3300 mg/kg	N/A
		LC50 Inhalation	Rat	>2.08 mg/L	4 hr
		LD50 Dermal	Rabbit	>5000 mg/kg	N/A
13463-67-7	Titanium dioxide	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	>6.82 mg/L	4 hr
7429-90-5	Aluminum	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	>0.888 mg/L	4 hr
1333-86-4	Carbon black	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	>0.0046 mg/L	4 hr
		LD50 Dermal	Rabbit	>3000 mg/kg	N/A
<b>Information on Likely Routes of Exposure</b>					
Inhalation:	Not classified based on available information.				
Ingestion:	Not classified based on available information.				
Skin Contact:	Not classified based on available information.				
Eye Contact:	Not classified based on available information.				
Immediate Effects:	Not classified based on available information.				
Delayed Effects:	No information is available.				
Medical Conditions Aggravated by Exposure:	No information is available.				

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Irritation/Corrosivity Data:	Not classified based on available information.	
Respiratory Sensitization:	Not classified based on available information.	
Dermal Sensitization:	Not classified based on available information.	
Germ Cell Mutagenicity:	Not classified based on available information.	
Carcinogenicity:	Not classified based on available information.	
<b>Component Carcinogenicity</b>		
<b>CAS</b>	<b>Component</b>	
13463-67-7	Titanium dioxide	<b>Result</b>
		<b>IARC:</b> Group 2B (possibly carcinogenic to humans)
		<b>OSHA:</b> Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
		<b>NTP:</b> Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
1333-86-4	Carbon Black	<b>IARC:</b> Group 2B (possibly carcinogenic to humans)
		<b>OSHA:</b> Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
		<b>NTP:</b> Not present at levels greater than or equal to 0.1% to be identified as a carcinogen or potential carcinogen
Reproductive Toxicity:	Not classified based on available information.	
Specific Target Organ Toxicity – Single Exposure:	No target organs identified.	
Specific Target Organ Toxicity – Repeated Exposure:	No target organs identified.	
Aspiration Hazard:	Not classified based on available information.	

<b>Section 12: Ecological Information</b>						
<b>Ecotoxicity</b>						
No information available for the product.						
<b>Component Analysis – Aquatic Toxicity</b>						
CAS	Component	Aquatic	Result	Species	Dose	Exposure
13463-67-7	Titanium dioxide	Fish	LC50	Rainbow trout ( <i>Oncorhynchus mykiss</i> )	>100 mg/L	96 hr
		Invertebrates	EC50	Water flea ( <i>Daphnia magna</i> )	>100 mg/L	48 hr
		Algae	EC50	Marine diatom ( <i>Skeletonema costatum</i> )	>10,000 mg/L	72 hr
		Bacteria	EC50	N/A	>1000 mg/L	3 hr
7429-90-5	Aluminum	Fish	LC50	Rainbow trout ( <i>Oncorhynchus mykiss</i> )	80 µg/L	96 hr
		Invertebrates	EC50	Water flea ( <i>Daphnia magna</i> )	>0.135 mg/L	48 hr

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		Fish (Chronic toxicity)	No toxicity at the limit of solubility.			
1333-86-4	Carbon Black	Fish	LC50	Zebrafish ( <i>Danio rerio</i> )	1000 mg/L	96 hr
		Invertebrates	EC50	Water flea ( <i>Daphnia magna</i> )	>5600 mg/L	24 hr
		Algae	NOEC	Green algae ( <i>Desmodesmus subspicatus</i> )	10,000 mg/L	72 hr
<b>Persistence and Degradability:</b>		No data available.				
<b>Bioaccumulative Potential:</b>		No data available.				
<b>Mobility in Soil:</b>		No data available.				
<b>Other adverse effects:</b>		No data available.				

<b>Section 13: Disposal Considerations</b>	
<b>Disposal Methods</b>	
Resource Conservation and Recovery Act (RCRA):	This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Waste from residues:	Dispose of in accordance with local regulations.
Contaminated packaging:	Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

<b>Section 14: Transport Information</b>	
<b>International Regulation</b>	
UNRTDG:	Not regulated as a dangerous good.
IATA-DGR:	Not regulated as a dangerous good.
IMDG-Code:	Not regulated as a dangerous good.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	Not applicable for product as supplied.
<b>Domestic Regulation</b>	
49 CFR:	Not regulated as a dangerous good.

<b>Section 15: Regulatory Information</b>	
<b>US Federal Regulations</b>	
<b>SARA 302 Extremely Hazardous Substances:</b>	This material does not contain any components with a section 302 EHS RQ.

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<b>SARA 304 Extremely Hazardous Substances Threshold Planning Quantity:</b>	This material does not contain any components with a section 304 EHS TPQ.		
<b>SARA 311/312 Hazards:</b>	No SARA Hazards		
<b>SARA 313:</b>	The following components are subject to reporting levels established by SARA Title III, Section 313. Aluminium (7429-90-5) 1.6%		
<b>EPCRA-Emergency Planning and Community Right-to-Know</b>			
<b>CERCLA Reportable Quantity</b>			
<b>CAS</b>	<b>Component</b>	<b>Component RQ (lbs)</b>	<b>Calculated Product RQ (lbs)</b>
108-24-7	Acetic anhydride	5000	Exceeds reasonably attainable upper limit.
64-19-7	Acetic acid	5000	Exceeds reasonably attainable upper limit.
<b>US State Regulations</b>			
<b>Pennsylvania Right To Know</b>			
<b>CAS</b>	<b>Component</b>		
70131-67-8	Dimethyl siloxane, hydroxy-terminated		
7631-86-9	Silicon dioxide		
63148-62-9	Dimethyl siloxane, trimethylsiloxy-terminated		
1332-37-2	Iron oxide		
13463-67-7	Titanium oxide		
7429-90-5	Aluminum		
64-19-7	Acetic acid		
108-24-7	Acetic anhydride		
147-14-8	Pigment Blue 15		
<b>California Proposition 65:</b>	This product does not contain any chemicals known by the State of California to cause cancer or reproductive harm.		
<b>California List of Hazardous Substances</b>			
Aluminum	7429-90-5		
<b>California Permissible Exposure Limits for Chemical Contaminants</b>			
Silicon dioxide	7631-86-9		
Titanium dioxide	13463-67-7		
Aluminum	7429-90-5		
<b>The ingredients of this product are reported in the following inventories:</b>			
TSCA:	All chemical substances in this product are either listed in the TSCA Inventory or are in compliance with a TSCA Inventory exemption.		
AICS:	All ingredients listed or exempt.		
IECSC:	All ingredients listed or exempt.		
PICCS:	All ingredients listed or exempt.		
DSL:	All chemical substances in this product comply with the CEPA 1999 and NSNR and are on or exempt from listing on the Canadian Domestic Substances List (DSL).		
REACH:	All ingredients are currently pre/registered or exempt under REACH. Please refer to section 1 for recommended uses.		

<b>Section 16: Other Information</b>



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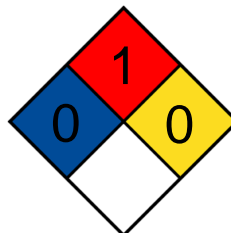
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**Issue Date:** 6/18/2015  
**Revision:** 2  
**Revision Date:** 8/30/2018  
**NFPA Ratings:**

Health: 0  
Fire: 1  
Reactivity: 0



Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## HMIS III:

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = Not Significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, \* = Chronic

## Key/Legend:

AICS (Australia); DSL (Canada); IECSC (China); REACH (European Union); ENCS (Japan); ISHL (Japan); KECI (Korea); NZIoC (New Zealand); PICCS (Philippines); TCSI (Taiwan); TSCA (USA); ACGIH – USA. ACGIH Threshold Limit Values (TLV); NIOSH REL – USA. NIOSH Recommended Exposure Limits; OSHA P0 – USA. OSHA – TABLE Z-1 Limits for Air Contaminants – 1910.1000; OSHA Z-1 – USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminates; OSHA Z-3 – USA. Occupational Exposure Limits (OSHA) – Table Z-3 Mineral Dusts; ACGIH / TWA – 8-hour, time-weighted average; NIOSH REL / TWA – Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek; NIOSH REL / ST – STEL – 15-minute TWA exposure that should not be exceeded at any time during a workday; OSHA P0 / TWA - 8-hour, time-weighted average; OSHA Z-1 / TWA - 8-hour, time-weighted average; OSHA Z-3 / TWA - 8-hour, time-weighted average

## Disclaimer:

The information contained herein is based on data considered accurate which has been obtained from other companies and organizations.

**End of Document**