



**ASI 502 White**

<b>Section 1: Product and Company Identification</b>	
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	

<b>Section 2: Hazard(s) Identification</b>	
<b>GHS Classification:</b>	Not a hazardous substance or mixture.
<b>GHS Label Elements</b>	
<b>Symbol(s):</b>	None.
<b>Signal Word:</b>	None.
<b>Hazard Statement(s):</b>	None known.
<b>Precautionary Statement(s)</b>	
<b>Prevention:</b>	Use only outdoors or in a well-ventilated area. Avoid release to the environment.
<b>Other hazards:</b>	None known

<b>Section 3: Composition/Information on Ingredients</b>		
<b>Substance/Mixture:</b>	Mixture	
<b>Chemical Nature:</b>	Silicone elastomer	
<b>Hazardous ingredients</b>		
<b>CAS</b>	<b>Component</b>	<b>Percent</b>
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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<b>Section 7: Handling and Storage</b>	
<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>

<b>Section 8: Exposure Controls/Personal Protection</b>		
<b>Component Exposure Limits</b>		
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</p> <p><b>Color:</b> In accordance with product description</p> <p><b>Odor:</b> Acetic Acid</p> <p><b>pH:</b> Not applicable</p> <p><b>Boiling Point:</b> Not applicable</p> <p><b>Flash Point:</b> &gt;100 °C (closed cup)</p> <p><b>OSHA Flammability Class:</b> Not classified as a flammability hazard</p> <p><b>Vapor Density (air = 1):</b> Not available</p> <p><b>Specific Gravity (water = 1):</b> Not available</p> <p><b>Log KOW:</b> Not available</p> <p><b>KOC:</b> Not available</p> <p><b>Viscosity:</b> Not applicable</p> <p><b>Volatility:</b> Not available</p>	<p><b>Appearance:</b> Paste</p> <p><b>Physical Form:</b> : Paste</p> <p><b>Odor Threshold:</b> Not available</p> <p><b>Melting Point:</b> Not available</p> <p><b>Decomposition:</b> Not available</p> <p><b>Evaporation Rate:</b> Not applicable</p> <p><b>Vapor Pressure:</b> Not applicable</p> <p><b>Density:</b> 1.007</p> <p><b>Water Solubility:</b> Not available</p> <p><b>Coeff. Water/Oil Dist:</b> Not available</p> <p><b>Auto Ignition:</b> Not available</p> <p><b>VOC:</b> Not available</p> <p><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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**SARA 304 Extremely Hazardous Substances Threshold Planning Quantity:** This material does not contain any components with a section 304 EHS TPQ.

**SARA 311/312 Hazards:** No SARA Hazards

**SARA 313:** The following components are subject to reporting levels established by SARA Title III, Section 313.  
Aluminium (7429-90-5) 1.6%

**EPCRA-Emergency Planning and Community Right-to-Know  
CERCLA Reportable Quantity**

CAS	Component	Component RQ (lbs)	Calculated Product RQ (lbs)
108-24-7	Acetic anhydride	5000	Exceeds reasonably attainable upper limit.
64-19-7	Acetic acid	5000	Exceeds reasonably attainable upper limit.

**US State Regulations**

**Pennsylvania Right To Know**

CAS	Component
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

**California Proposition 65:** This product does not contain any chemicals known by the State of California to cause cancer or reproductive harm.

**California List of Hazardous Substances**

Aluminum	7429-90-5
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**California Permissible Exposure Limits for Chemical Contaminants**

Silicon dioxide	7631-86-9
Titanium dioxide	13463-67-7
Aluminum	7429-90-5

**The ingredients of this product are reported in the following inventories:**

**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.

**Section 16: Other Information**



# SAFTEY DATA SHEET

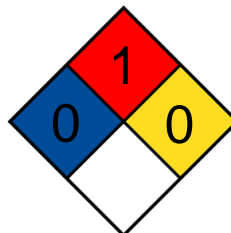
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**Issue Date:** 6/18/2015  
**Revision:** 2  
**Revision Date:** 8/30/2018  
**NFPA Ratings:**

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



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**ASI 502 Color**  
**(Almond, Bronze, School Bus Yellow, Trans Beige, Trans Blue, Trans Charcoal, Trans Earth, Trans Green, Trans Grey, Trans Rose, Trans White, Yellow)**

<b>Section 1: Product and Company Identification</b>	
American Sealants, Inc. 9190 Yeager Ln Fort Wayne, Indiana 46809 Phone: 260-489-0728 Fax: 260-489-0519	Emergency Phone Number Infotrac: +1-800-535-5053 (Within US) Infotrac: +1-352-323-3500 (Outside US)
Product Identifier:	ASI 502 Color (Almond, Bronze, School Bus Yellow, Trans Beige, Trans Blue, Trans Charcoal, Trans Earth, Trans Green, Trans Grey, Trans Rose, Trans White, Yellow)
Recommended Use:	Adhesive
Restrictions on Use:	None known

<b>Section 2: Hazard(s) Identification</b>	
GHS Classification:	Not a hazardous substance or mixture.
Acute Effects:	No information on significant adverse effects.
Delayed Effects:	No information on significant adverse effects.
Indication of Immediate Medical Attention and Special Treatment Needed, If Needed:	Treat symptomatically and supportively.
<b>GHS Label Elements</b>	
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.
Response:	None known.
Storage:	Keep in properly labeled containers. Store in accordance with the particular national regulations.

# SAFTEY DATA SHEET

Product Identifier: ASI 502 Color (Almond, Bronze, School Bus Yellow,  
Trans Beige, Trans Blue, Trans Charcoal, Trans Earth, Trans Green,  
Trans Grey, Trans Rose, Trans White, Yellow)

Document #: SDS 011  
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Disposal:	Dispose of contents/container in accordance with local/regional/national/international regulations.
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## Section 3: Composition/Information on Ingredients

<u>CAS</u>	<u>Component</u>	<u>Percent</u>
7631-86-9	Silicon dioxide	5 - <10
64742-46-7	Distillates (petroleum), hydrotreated middle	5 - <10

## 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 IN EYES: Flush eyes with water as a precaution. 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.

## 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, and formaldehyde.
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.

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Product Identifier: ASI 502 Color (Almond, Bronze, School Bus Yellow,  
Trans Beige, Trans Blue, Trans Charcoal, Trans Earth, Trans Green,  
Trans Grey, Trans Rose, Trans White, Yellow)

Document #: SDS 011  
Revision: 1

<b>Section 6: Accidental Release Measures</b>	
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 water. Local authorities should be advised if significant spillages cannot be contained.
Methods and Materials for Containment and Cleaning Up:	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.

<b>Section 7: Handling and Storage</b>	
<b>Precautions for Safe Handling</b> Protective Measures:	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
Advice on General Occupational Hygiene:	Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Wash contaminate clothing before reuse.
Conditions for Safe Storage, including any Incompatibilities:	Store and handle in accordance with all current regulations and standards. Keep in properly labeled containers. Keep separated from incompatible substances.
Incompatibilities:	Strong oxidizing materials

<b>Section 8: Exposure Controls/Personal Protection</b>		
<b>Component Exposure Limits</b>		
CAS	Component	Exposure Limits
7631-86-9	Silicon dioxide	<b>OSHA Z-3:</b> 20 million particles/ft3 (Silica) TWA (dust); 80 mg/m3 / %SiO2 (Silica) TWA (dust) <b>NIOSH REL:</b> 6 mg/m3 (Silica) TWA
64742-46-7	Distillates (petroleum), hydrotreated middle	<b>OSHA Z-1:</b> 5 mg/m3 TWA (mist) <b>OSHA PD:</b> 5 mg/m3 TWA (mist) <b>NIOSH REL:</b> 5 mg/m3 TWA (mist); 10 mg/m3 ST (mist)

## SAFTEY DATA SHEET

Product Identifier: ASI 502 Color (Almond, Bronze, School Bus Yellow,  
Trans Beige, Trans Blue, Trans Charcoal, Trans Earth, Trans Green,  
Trans Grey, Trans Rose, Trans White, Yellow)

Document #: SDS 011  
Revision: 1

Appropriate Engineering Controls:	Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Ensure compliance with applicable exposure limits.
<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.

### Section 9: Physical and Chemical Properties

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

### Section 10: Stability and Reactivity

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.

## SAFTEY DATA SHEET

Product Identifier: ASI 502 Color (Almond, Bronze, School Bus Yellow,  
Trans Beige, Trans Blue, Trans Charcoal, Trans Earth, Trans Green,  
Trans Grey, Trans Rose, Trans White, Yellow)

Document #: SDS 011  
Revision: 1

	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:	Strong oxidizing materials
Hazardous Decomposition Products:	Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

<b>Section 11: Toxicological Information</b>					
<b>Acute Toxicity</b>					
<b>Component Analysis – LD50/LC50</b>					
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
64742-46-7	Distillates (petroleum), hydrotreated middle	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	1.78 mg/L	4 hr
		LD50 Dermal	Rat	>2000 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.			
Irritation/Corrosivity Data:		Not classified based on available information.			
Respiratory Sensitization:		Not classified based on available information.			

## SAFTEY DATA SHEET

Product Identifier: ASI 502 Color (Almond, Bronze, School Bus Yellow,  
Trans Beige, Trans Blue, Trans Charcoal, Trans Earth, Trans Green,  
Trans Grey, Trans Rose, Trans White, Yellow)

Document #: SDS 011  
Revision: 1

Dermal Sensitization:	Not classified based on available information.
Germ Cell Mutagenicity:	Not classified based on available information.
Carcinogenicity:	Not classified based on available information.

### Component Carcinogenicity

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, OSHA, and NTP.

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.

## Section 12: Ecological Information

### Ecotoxicity

No information available for the product.

### Component Analysis – Aquatic Toxicity

No information available for the product.

Persistence and Degradability:	No information available for the product.
Bioaccumulative Potential:	No information available for the product.
Mobility in Soil:	No information available for the product.
Biodegradation:	No information available for the product.

## Section 13: Disposal Considerations

Disposal Methods:	Dispose in accordance with all applicable federal, state/regional and local laws and regulations. This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Disposal of Contaminated Packaging:	Dispose of unused product properly. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SAFTEY DATA SHEET

Product Identifier: ASI 502 Color (Almond, Bronze, School Bus Yellow,  
Trans Beige, Trans Blue, Trans Charcoal, Trans Earth, Trans Green,  
Trans Grey, Trans Rose, Trans White, Yellow)

Document #: SDS 011  
Revision: 1

Component Waste Numbers: The U.S. EPA has not published waste numbers for this product's components.

### Section 14: Transport Information

#### International Regulation

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.

#### Domestic Regulation

49 CFR: Not regulated as a dangerous good.

### Section 15: Regulatory Information

#### US Federal Regulations

SARA 302 Extremely Hazardous Substances: None contained in product.  
SARA 304: Not applicable.  
SARA 311/312: None known.  
SARA 313: None known.  
  
TSCA: All components of this product are listed on TSCA Inventory.

CERCLA Reportable Quantity:

CAS	Component	Component RQ (lbs)	Calculated Product RQ (lbs)
108-24-7	Acetic anhydride	5000	Exceeds reasonably attainable upper limit.
64-19-7	Acetic acid	5000	Exceeds reasonably attainable upper limit.

#### US State Regulations

Pennsylvania Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	70-90%
7631-86-9	Silicon dioxide	5-10%
64742-46-7	Distillates (petroleum), hydrotreated middle	5-10%
64-19-7	Acetic acid	0-0.1%
108-24-7	Acetic anhydride	0-0.1%

New Jersey Right To Know

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	70-90%
7631-86-9	Silicon dioxide	5-10%
64742-46-7	Distillates (petroleum), hydrotreated middle	5-10%



## SAFTEY DATA SHEET

Product Identifier: ASI 502 Color (Almond, Bronze, School Bus Yellow, Trans Beige, Trans Blue, Trans Charcoal, Trans Earth, Trans Green, Trans Grey, Trans Rose, Trans White, Yellow)

Document #: SDS 011  
Revision: 1

California Proposition 65: This product does not contain any chemicals known by the State of California to cause cancer or reproductive harm.

### Component Analysis – International Inventories

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Silicon dioxide	7631-86-9	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Distillates (petroleum), hydrotreated middle	64742-46-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes

### Section 16: Other Information

Issue Date: 6/18/15  
Revision: 1  
NFPA Ratings:

Health: 1  
Fire: 1  
Reactivity: 0



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

HMIS III:

HEALTH	1
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



**ASI 502 Clear**

<b>Section 1: Product and Company Identification</b>	
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 Clear <b>Recommended Use:</b> Adhesive <b>Restrictions on Use:</b> None known	

<b>Section 2: Hazard(s) Identification</b>	
<b>GHS Classification:</b>	Not a hazardous substance or mixture.
<b>Acute Effects:</b>	No information on significant adverse effects.
<b>Delayed Effects:</b>	No information on significant adverse effects.
<b>Indication of Immediate Medical Attention and Special Treatment Needed, If Needed:</b>	Treat symptomatically and supportively.
<b>GHS Label Elements</b>	
<b>Symbol(s):</b>	None.
<b>Signal Word:</b>	None.
<b>Hazard Statement(s):</b>	None known.
<b>Precautionary Statement(s) Prevention:</b>	Use only outdoors or in a well-ventilated area. Avoid release to the environment.
<b>Response:</b>	None known.
<b>Storage:</b>	Keep in properly labeled containers. Store in accordance with the particular national regulations.
<b>Disposal:</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.

# SAFTEY DATA SHEET

Product Identifier: ASI 502 Clear

Document #: SDS 008

Revision: 2

## Section 3: Composition/Information on Ingredients

**Chemical Nature:** Silicone elastomer

This product is a mixture

Contains no hazardous ingredients according to GHS

## Section 4: First-Aid Measures

### General Advice:

If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**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.

**Eye Contact:** IF IN EYES: Flush eyes with water for several minutes,  
Remove contact lenses after the  
initial 1-2 minutes and continue flushing for several additional minutes. If effects occur,  
consult a  
physician, preferably an ophthalmologist.

**Ingestion:** No emergency medical treatment necessary.

### Most Important symptoms and effects, both acute and delayed:

Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

### Indication of any immediate medical attention and special treatment needed

**Notes to physician:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

## Section 5: Fire-Fighting Measures

**Suitable Extinguishing Media:** Use carbon dioxide, regular dry chemical, alcohol-resistant foam or water.

**Unsuitable Extinguishing Media:** None known.

### Specific Hazards Arising from the Chemical

**Hazardous Combustion Products:** Carbon oxides and silicon oxides

**Unusual Fire and Explosion Hazards:** Exposure to combustion products may be a hazard to health.

### Special Protective Equipment and Precautions for Firefighters:

**Procedures:** 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.

**Special protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

# SAFTEY DATA SHEET

Product Identifier: ASI 502 Clear

Document #: SDS 008

Revision: 2

## Section 6: Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures:

Follow safe handling advice and personal protective equipment recommendations.

### Environment Precautions:

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

### Methods and Materials for Containment and Cleaning Up:

Wipe up or scrape up and contain for salvage or disposal. 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. You will need to determine which regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, Sections 13 and 15 of this SDS provide information regarding certain local or national requirements. See sections: 7, 8, 11, 12 and 13.

## Section 7: Handling and Storage

### Precautions for Safe Handling

Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

### Conditions for safe storage:

Keep in properly labelled containers. Store in accordance with the particular national regulations.

**Incompatible Materials:** Strong oxidizing agents

**Unsuitable materials for containers:** None known

## Section 8: Exposure Controls/Personal Protection

### Control Parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable. Although some of the components of this product may have exposure guidelines, no exposure would be expected under normal handling conditions due to the physical state of the material.

### Exposure controls

**Engineering controls:** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

### Individual protection measures:

**Eye/face Protection:** Use safety glasses (with side shields).

### Skin Protection

**Hand:** Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

**Other:** No precautions other than clean body-covering clothing should be needed.

# SAFTEY DATA SHEET

Product Identifier: ASI 502 Clear

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Revision: 2

**Respiratory Protection:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if handling at elevated temperatures without sufficient ventilation, use an approved air-purifying respirator.  
The following should be effective types of air-purifying respirators: Organic vapor cartridge.

## Section 9: Physical and Chemical Properties

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

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## Section 10: Stability and Reactivity

<b>Reactivity:</b>	Not classified as a reactivity hazard.
<b>Chemical Stability:</b>	Stable at normal temperatures and pressure.
<b>Possibility of Hazardous Reactions:</b>	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.
<b>Conditions to Avoid:</b>	None known.
<b>Incompatible Materials:</b>	Strong oxidizing materials

# SAFTEY DATA SHEET

Product Identifier: ASI 502 Clear

Document #: SDS 008

Revision: 2

**Hazardous Decomposition Products:** formaldehyde.

## Section 11: Toxicological Information

### Acute Toxicity

#### Component Analysis – LD50/LC50

Result	Species	Dose	Exposure	Remarks
LD50 Oral	Rat	>5,000 mg/kg	N/A	Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.
LC50 Inhalation	N/A	Has not been determined	N/A	Brief exposure (minutes) is not likely to cause adverse effects. Vapor from heated material may cause respiratory irritation.
LD50 Dermal	Rabbit	>2,000 mg/kg	N/A	Prolonged skin contact is unlikely to result in absorption of harmful amounts.

<b>Skin Corrosion/Irritation:</b>	Prolonged exposure not likely to cause significant skin irritation.
<b>Serious Eye Damage/Eye Irritation:</b>	May cause slight temporary eye irritation. Corneal injury is unlikely. May cause mild eye discomfort.
<b>Sensitization:</b>	
<b>Skin</b>	Contains component(s) which did not cause allergic skin sensitization in guinea pigs.
<b>Respiratory</b>	No relevant information found.
<b>Specific Target Organ Systematic Toxicity (Single Exposure):</b>	Evaluation of available data suggests that this material is not an STOT-SE toxicant.
<b>Specific Target Organ Systematic Toxicity (Repeated Exposure)</b>	For the major component(s): Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.
<b>Carcinogenicity:</b>	Contains an additional component(s) that is/are encapsulated in the product and are not expected to be released under normal processing conditions or foreseeable emergency. For this family of materials: Did not cause cancer in long-term animal studies which used routes of exposure considered relevant to industrial handling. Positive results have been reported in other studies using routes of exposure not relevant to industrial handling.
<b>Teratogenicity:</b>	Contains component(s) which did not cause birth defects or any other fetal effects in lab animals.
<b>Reproductive Toxicity:</b>	Contains component(s) which did not interfere with reproduction in animal studies.
<b>Mutagenicity:</b>	Contains a component(s) which were negative in in vitro genetic toxicity studies. Contains component(s) which were negative in animal genetic toxicity studies.

# SAFTEY DATA SHEET

Product Identifier: ASI 502 Clear

Document #: SDS 008

Revision: 2

<b>Aspiration Hazard:</b>	Based on physical properties, not likely to be an aspiration hazard.
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## Section 12: Ecological Information

<b>Toxicity</b>	No data available
<b>Persistence and Degradability:</b>	No data available
<b>Bioaccumulative Potential:</b>	No data available
<b>Mobility in Soil:</b>	No data available

## Section 13: Disposal Considerations

### Disposal Methods:

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INFORMATION PRESENTED HERE PERTAINS ONLY TO THE PRODUCT AS SHIPPED IN ITS INTENDED CONDITION AS DESCRIBED IN MSDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Recycler. Reclaimer. Incinerator or other thermal destruction device. For additional information, refer to: Handling & Storage Information, MSDS Section 7 Stability & Reactivity Information, MSDS Section 10 Regulatory Information, MSDS Section 15

### Treatment and disposal methods of used packaging:

Dispose of unused product properly. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## Section 14: Transport Information

<b>DOT</b>	Not regulated for transport
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### Classification for SEA transport (IMO-IMDG):

<b>Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code</b>	Not regulated for transport Consult IMO regulations before transporting ocean bulk
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<b>Classification for AIR transport (IATA/ICAO):</b>	Not regulated for transport
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This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

# SAFTEY DATA SHEET

Product Identifier: ASI 502 Clear

Document #: SDS 008

Revision: 2

## Section 15: Regulatory Information

### Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

No SARA Hazards

### Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103

#### Components:

Name	CASRN	RQ (RCRA Code)
Acetic Acid	64-19-7	5,000 lbs RQ
Acetic Anhydride	108-24-7	5,000 lbs RQ

### Pennsylvania Right To Know

The following chemicals are listed because of the additional requirements of Pennsylvania law:

#### Components:

Name	CASRN
Polydimethylsiloxane hydroxy-terminated	70131-67-8
Silicon dioxide	7631-86-9

### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

## Section 16: Other Information

Issue Date: 6/18/2015

Revision Date: 8/1/2018

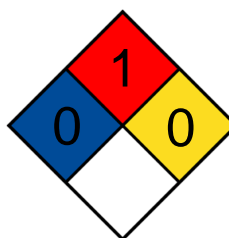
Revision: 2

NFPA Ratings:

Health: 0

Fire: 1

Reactivity: 0



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

HMIS III:



## SAFTEY DATA SHEET

Product Identifier: ASI 502 Clear

Document #: SDS 008

Revision: 2

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); IECS (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**



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**800.220.1966**

410 Pike Road • Huntingdon Valley, PA 19006



**ASI 502 Black**

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

<b>Section 2: Hazard(s) Identification</b>	
<b>GHS Classification:</b>	Not a hazardous substance or mixture.
<b>GHS Label Elements</b>	
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.

<b>Section 3: Composition/Information on Ingredients</b>		
Substance/Mixture:	Mixture	
Chemical Nature:	Silicone Elastomer	
<b>Hazardous Ingredients</b>		
<u>CAS</u>	<u>Component</u>	<u>Percent</u>
7631-86-9	Silicon dioxide	5 - <10
13463-67-7	Titanium dioxide	1 - <5
7429-90-5	Aluminum	1 - <5

# SAFTEY DATA SHEET

Product Identifier: ASI 502 Black

Document #: SDS 006

Revision: 2

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 IN EYES: Flush eyes with water as a precaution. 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.

### Specific Hazards Arising from the Chemical

Exposure to combustion products may be a hazard to health.

Hazardous Combustion Products:	Carbon oxides, silicon oxides, formaldehyde, and metal oxides
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Special Protective Equipment and Precautions for Firefighters:	Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.
--	--

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.
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# SAFTEY DATA SHEET

Product Identifier: ASI 502 Black

Document #: SDS 006

Revision: 2

## Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Follow safe handling advice and personal protective equipment recommendations.

Environment Precautions:

Discharge into the environment must be avoided.  
Prevent further leakage or spillage if safe to do so.  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

Methods and Materials for Containment and Cleaning Up:

Soak up 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. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

## Section 7: Handling and Storage

Technical Measures:

See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation:

Use only with adequate ventilation.

Advice on safe handling:

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.

Conditions for safe storage:

Keep in properly labeled containers.

Store in accordance with the particular national regulations.

Materials to avoid:

Do not store with the following product types:  
Strong oxidizing agents

## Section 8: Exposure Controls/Personal Protection

### Component Exposure Limits

CAS	Component	Exposure Limits
7631-86-9	Silicon dioxide	OSHA Z-3: 20 million particles/ft <sup>3</sup> (Silica) TWA (dust); 80 mg/m <sup>3</sup> / %SiO <sub>2</sub> (Silica) TWA (dust)

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Product Identifier: ASI 502 Black

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13463-67-7	Titanium dioxide	<p><b>NIOSH REL:</b> 6 mg/m3 (Silica) TWA  <b>ACGIH:</b> 10 mg/m3 TWA  <b>OSHA Z-1:</b> 15 mg/m3 TWA (total dust)  <b>ACGIH:</b> 1 mg/m3 TWA (respirable fraction)</p>
7429-90-5	Aluminum	<p><b>OSHA Z-1:</b> 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)  <b>NIOSH REL:</b> 5 mg/m3 TWA (respirable fraction); 10 mg/m3 TWA (total)  <b>ACGIH:</b> 3 mg/m3 TWA (inhalable fraction)</p>
1333-86-4	Carbon black	<p><b>OSHA Z-1:</b> 3.5 mg/m3 TWA  <b>NIOSH REL:</b> 3.5 mg/m3 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>Silicon dioxide  Titanium dioxide  Carbon black</p>		
<b>Engineering measures:</b>		<p>Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations. 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 workplaces have to be considered in workplace risk assessment. Relevant limits include: OSHA PEL for Particulates Not Otherwise Regulated of 15 mg/m3 - total dust, 5 mg/m3 - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m3 - respirable particles, 10 mg/m3 - inhalable particles.</p>
<b>Personal Protective Equipment</b>		
Respiratory protection		<p>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.</p>
Hand Protection		
Remarks		Wash hands before breaks and at the end of workday.
Eye Protection		Wear the following personal protective equipment: Safety glasses
Skin and body protection		<p>Skin should be washed after contact.  Ensure that eye flushing systems and safety showers are located close to the working place.  When using do not eat, drink or smoke.</p>
Hygiene measures		<p>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>

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

## Section 10: Stability and Reactivity

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. Adequate ventilation is required. 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
<b>Hazardous Decomposition Products</b>	
Thermal decomposition	Formaldehyde

## Section 11: Toxicological Information

### Acute Toxicity

Not classified based on available information.

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<b>Ingredients:</b>											
CAS	Component	Result	Species	Dose	Exposure						
7631-86-9	Silicon dioxide	LD50 Oral	Rat	>3300 mg/kg	N/A						
		LC50 Inhalation (dust/mist)	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 (dust/mist)	Rat	>6.82 mg/L	4 hr						
7429-90-5	Aluminum	LD50 Oral	Rat	>5000 mg/kg	N/A						
		LC50 Inhalation (dust/mist)	Rat	>0.888 mg/L	4 hr						
1333-86-4	Carbon black	LD50 Oral	Rat	>5000 mg/kg	N/A						
		LC50 Inhalation (dust/mist)	Rat	>0.0046 mg/L	4 hr						
		LD50 Dermal	Rabbit	>3000 mg/kg	N/A						
<p><b>Information on Likely Routes of Exposure</b></p> <p><b>Inhalation:</b> Not classified based on available information.</p> <p><b>Ingestion:</b> Not classified based on available information.</p> <p><b>Skin Contact:</b> Not classified based on available information.</p> <p><b>Eye Contact:</b> Not classified based on available information.</p> <p><b>Immediate Effects:</b> Not classified based on available information.</p> <p><b>Delayed Effects:</b> No information is available.</p> <p><b>Medical Conditions Aggravated by Exposure:</b> No information is available.</p> <p><b>Irritation/Corrosivity Data:</b> Not classified based on available information.</p> <p><b>Respiratory Sensitization:</b> Not classified based on available information.</p> <p><b>Dermal Sensitization:</b> Not classified based on available information.</p> <p><b>Germ Cell Mutagenicity:</b> Not classified based on available information.</p> <p><b>Carcinogenicity:</b> Not classified based on available information.</p> <p><b>Component Carcinogenicity</b></p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <thead> <tr> <th style="width: 15%; padding: 5px;">CAS</th> <th style="width: 25%; padding: 5px;">Component</th> <th style="width: 60%; padding: 5px;">Result</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>						CAS	Component	Result			
CAS	Component	Result									

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13463-67-7	Titanium dioxide	<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
<p><b>Reproductive Toxicity:</b> Not classified based on available information.</p> <p><b>Specific Target Organ Toxicity – Single Exposure:</b> Not classified based on available information.</p> <p><b>Specific Target Organ Toxicity – Repeated Exposure:</b> Not classified based on available information.</p> <p><b>Aspiration Hazard:</b> Not classified based on available information.</p>		

Section 12: Ecological Information						
Ecotoxicity						
Component Analysis – Aquatic Toxicity						
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	NOEC	Brown trout ( <i>Salmo trutta</i> )	>80 µg/L	96 hr
		Invertebrates	NOEC	Water flea ( <i>Daphnia magna</i> )	>0.135 mg/L	48 hr
		Algae	EC50	Green algae ( <i>Pseudokirchneriella subcapitata</i> )	>0.004 mg/L	72 hr
		Fish (Chronic toxicity)	NOEC	Fathead minnow ( <i>Pimephales promelas</i> )	7.1 mg/L	28 d
1333-86-4		Fish	LC0	Zebrafish ( <i>Danio rerio</i> )	1000 mg/L	96 hr



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Carbon Black	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

**Persistence and Degradability:** No information available for the product.

**Bioaccumulative Potential:** No information available for the product.

**Mobility in Soil:** No information available for the product.

**Other adverse effects:** No information available for the product.

## Section 13: Disposal Considerations

### Disposal Methods

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.

## Section 14: Transport Information

### International Regulation

**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.

### Domestic Regulation

**49 CFR:** Not regulated as a dangerous good.

## Section 15: Regulatory Information

**EPCRA - Emergency Planning and Community Right-to-Know  
CERCLA Reportable Quantity**

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Ingredients	CAS No.	Component RQ (lbs)	Calculated Product RQ (lbs)
Acetic Acid	64-19-7	5000	*
Acetic anhydride	108-24-7	5000	*

\* Calculated RQ exceeds reasonably attainable upper limit.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards:** No SARA Hazards

**SARA 313:** The following components are subject to reporting levels established by SARA Title III, Section 313:

Aluminum	7429-90-5	<=1.575%
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**US State Regulations**

**Pennsylvania Right To Know**

Dimethyl siloxane, hydroxy-terminated	70131-67-8
Silicon dioxide	7631-86-9
Dimethyl siloxane, trimethylsiloxy-terminated	63148-62-9
Iron oxide	1332-37-2
Titanium dioxide	13463-67-7
Aluminium	7429-90-5
Pigment Blue 15	147-14-8
Acetic acid	64-19-7
Acetic anhydride	108-24-7

**California Prop. 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**California List of Hazardous Substances**

Aluminium	7429-90-5
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**California Permissible Exposure Limits for Chemical Contaminants**

Silicon dioxide	7631-86-9
Titanium dioxide	13463-67-7
Aluminum	7429-90-5

**The ingredients of this product are reported in the following inventories:**

TSCA:	All chemical substances in this product are either listed on 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:	For purchases from American Sealants EU legal entities, all ingredients are currently pre/registered or exempt under REACH. Please refer to section 1 for recommended uses. For

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purchases from non-EU American Sealants legal entities with the intention to export into EEA please contact your DC representative/local office.

## Section 16: Other Information

Issue Date: 6/18/2015

Revision: 2

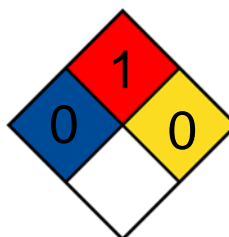
Revision Date: 8/8/2018

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.



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End of Document



**ASI 502 Aluminum**

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

<b>Section 2: Hazard(s) Identification</b>	
GHS Classification:	Not a hazardous substance or mixture.
Acute Effects:	No information on significant adverse effects.
Delayed Effects:	No information on significant adverse effects.
Indication of Immediate Medical Attention and Special Treatment Needed, If Needed:	Treat symptomatically and supportively.
<b>GHS Label Elements</b>	
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.
Response:	None known.
Storage:	Keep in properly labeled containers. Store in accordance with the particular national regulations.
Disposal:	Dispose of contents/container in accordance with local/regional/national/international regulations.

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## Section 3: Composition/Information on Ingredients

<u>CAS</u>	<u>Component</u>	<u>Percent</u>
7631-86-9	Silicon dioxide	5 - <10
64742-46-7	Distillates (petroleum), hydrotreated middle	5 - <10
13463-67-7	Titanium dioxide	1 - <5
7429-90-5	Aluminum	1 - <5
1333-86-4	Carbon black	0.1 - <1

## 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 IN EYES: Flush eyes with water as a precaution. 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.

## 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.

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<b>Section 6: Accidental Release Measures</b>	
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 water. Local authorities should be advised if significant spillages cannot be contained.
Methods and Materials for Containment and Cleaning Up:	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.

<b>Section 7: Handling and Storage</b>	
<b>Precautions for Safe Handling</b> Protective Measures:	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
Advice on General Occupational Hygiene:	Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Wash contaminate clothing before reuse.
Conditions for Safe Storage, including any Incompatibilities:	Store and handle in accordance with all current regulations and standards. Keep in properly labeled containers. Keep separated from incompatible substances.
Incompatibilities:	Strong oxidizing materials

<b>Section 8: Exposure Controls/Personal Protection</b>		
<b>Component Exposure Limits</b>		
CAS	Component	Exposure Limits
7631-86-9	Silicon dioxide	<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) <b>NIOSH REL:</b> 6 mg/m <sup>3</sup> (Silica) TWA

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64742-46-7	Distillates (petroleum), hydrotreated middle	OSHA Z-1: 5 mg/m3 TWA (mist) OSHA P0: 5 mg/m3 TWA (mist)
		NIOSH REL: 5 mg/m3 TWA (mist); 10 mg/m3 ST (mist)
13463-67-7	Titanium dioxide	ACGIH: 10 mg/m3 TWA
		OSHA Z-1: 15 mg/m3 TWA (total dust)
7429-90-5	Aluminum	ACGIH: 1 mg/m3 TWA (respirable fraction)
		OSHA Z-1: 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
		NIOSH REL: 5 mg/m3 TWA (respirable fraction); 10 mg/m3 TWA (total); 5 mg/m3 TWA (pyro powders)
1333-86-4	Carbon black	ACGIH: 3 mg/m3 TWA (inhalable fraction)
		OSHA Z-1: 3.5 mg/m3 TWA
		NIOSH REL: 3.5 mg/m3 TWA

**Appropriate Engineering Controls:** 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/m3 - total dust, 5 mg/m3 - respirable fraction; and ACGIH TWA for Particles (insoluble or poorly soluble) Not Otherwise Specified of 3 mg/m3 - respirable particles, 10 mg/m3 - inhalable particles.

**Individual Protection Measures**

**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.

Section 9: Physical and Chemical Properties	
<b>Physical State:</b> Liquid	<b>Appearance:</b> Paste
<b>Color:</b> In accordance with product description	<b>Physical Form:</b> : Paste
<b>Odor:</b> Acetic Acid	<b>Odor Threshold:</b> Not available
<b>pH:</b> Not applicable	<b>Melting Point:</b> Not available
<b>Boiling Point:</b> Not applicable	<b>Decomposition:</b> Not available

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<p><b>Flash Point:</b> &gt;100 °C (closed cup)</p> <p><b>OSHA Flammability Class:</b> Not classified as a flammability hazard</p> <p><b>Vapor Density (air = 1):</b> Not available</p> <p><b>Specific Gravity (water = 1):</b> Not available</p> <p><b>Log KOW:</b> Not available</p> <p><b>KOC:</b> Not available</p> <p><b>Viscosity:</b> Not applicable</p> <p><b>Volatility:</b> Not available</p>	<p><b>Evaporation Rate:</b> Not applicable</p> <p><b>Vapor Pressure:</b> Not applicable</p> <p><b>Density:</b> 1.007</p> <p><b>Water Solubility:</b> Not available</p> <p><b>Coeff. Water/Oil Dist:</b> Not available</p> <p><b>Auto Ignition:</b> Not available</p> <p><b>VOC:</b> Not available</p> <p><b>Molecular Formula:</b> Not available</p>
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## Section 10: Stability and Reactivity

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:	Strong oxidizing materials
Hazardous Decomposition Products:	Upon decomposition, this product emits carbon oxides, silicon oxides, formaldehyde, and metal oxides.

## Section 11: Toxicological Information

### Acute Toxicity

#### Component Analysis – LD50/LC50

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
64742-46-7	Distillates (petroleum), hydrotreated middle	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	1.78 mg/L	4 hr
		LD50 Dermal	Rat	>2000 mg/kg	N/A
13463-67-7	Titanium dioxide	LD50 Oral	Rat	>10000 mg/kg	N/A
		LC50 Inhalation	Rat	>5000 mg/kg	4 hr
7429-90-5	Aluminum	LD50 Oral	Rat	>5000 mg/kg	N/A



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		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

### Information on Likely Routes of Exposure

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.

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.

### Component Carcinogenicity

CAS	Component	Result
13463-67-7	Titanium dioxide	<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.

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Specific Target Organ Toxicity – Repeated Exposure:	No target organs identified.
Aspiration Hazard:	Not classified based on available information.

### Section 12: Ecological Information

#### Ecotoxicity

No information available for the product.

#### Component Analysis – Aquatic Toxicity

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> )	14.6 mg/L	96 hr
		Invertebrates	EC50	Water flea ( <i>Daphnia magna</i> )	>0.135 mg/L	48 hr
		Algae	EC50	Green algae ( <i>Pseudokirchneriella subcapitata</i> )	>0.004 mg/L	72 hr
		Fish (Chronic toxicity)	NOEC	Fathead minnow ( <i>Pimephales promelas</i> )	7.1 mg/L	28 d
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

Persistence and Degradability: No information available for the product.

Bioaccumulative Potential: No information available for the product.

Mobility in Soil: No information available for the product.

Biodegradation: No information available for the product.

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<b>Section 13: Disposal Considerations</b>	
Disposal Methods:	Dispose in accordance with all applicable federal, state/regional and local laws and regulations. This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Disposal of Contaminated Packaging:	Dispose of unused product properly. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Component Waste Numbers:	The U.S. EPA has not published waste numbers for this product's components.

<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>			
SARA 302 Extremely Hazardous Substances:			
		None contained in product.	
SARA 304:		Not applicable.	
SARA 311/312:		None known.	
SARA 313:		Aluminium (7429-90-5) 1.6%	
TSCA:		All components of this product are listed on TSCA Inventory.	
CERCLA Reportable Quantity:			
CAS	Component	Component RQ (lbs)	Calculated Product RQ (lbs)
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>			
Pennsylvania Right To Know			
	<b>CAS</b>	<b>Component</b>	<b>Percent</b>
	70131-67-8	Dimethyl siloxane, hydroxy-terminated	70-90%
	7631-86-9	Silicon dioxide	5-10%

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64742-46-7	Distillates (petroleum), hydrotreated middle	5-10%
1332-37-2	Iron oxide	1-5%
13463-67-7	Titanium oxide	1-5%
7429-90-5	Aluminum	1-5%
64-19-7	Acetic acid	0-0.1%
108-24-7	Acetic anhydride	0-0.1%

**New Jersey Right To Know**

CAS	Component	Percent
70131-67-8	Dimethyl siloxane, hydroxy-terminated	70-90%
7631-86-9	Silicon dioxide	5-10%
64742-46-7	Distillates (petroleum), hydrotreated middle	5-10%
1332-37-2	Iron oxide	1-5%
13463-67-7	Titanium oxide	1-5%
7429-90-5	Aluminum	1-5%
1333-86-4	Carbon Black	0.1-1%

California Proposition 65: This product does not contain any chemicals known by the State of California to cause cancer or reproductive harm.

**Component Analysis – International Inventories**

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Silicon dioxide	7631-86-9	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Distillates (petroleum), hydrotreated middle	64742-46-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Aluminum	7429-90-5	Yes	DSL	REACH	Yes	Yes	N/A	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes

**Section 16: Other Information**

Issue Date: 6/17/15

Revision: 1

NFPA Ratings:

Health: 1

Fire: 1

Reactivity: 0



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

HMIS III:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

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

## SAFTEY DATA SHEET

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### 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**



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**ASI 502 Almond**

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

<b>Section 2: Hazard(s) Identification</b>	
GHS Classification:	Not a hazardous substance or mixture.
Acute Effects:	No information on significant adverse effects.
Delayed Effects:	No information on significant adverse effects.
Indication of Immediate Medical Attention and Special Treatment Needed, If Needed:	Treat symptomatically and supportively.
<b>GHS Label Elements</b>	
Symbol(s):	None.
Signal Word:	None.
Hazard Statement(s):	None known.
Precautionary Statement(s) Prevention:	Use only outdoors or in a well-ventilated area.
Response:	None known.
Storage:	Keep in properly labeled containers. Store in accordance with the particular national regulations.
Disposal:	Dispose of contents/container in accordance with local/regional/national/international regulations.

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## Section 3: Composition/Information on Ingredients

<u>CAS</u>	<u>Component</u>	<u>Percent</u>
7631-86-9	Silicon dioxide	≥5 - <10
64742-46-7	Distillates (petroleum), hydrotreated middle	≥5 - <10
13463-67-7	Titanium dioxide	≥0.1 - <1
1333-86-4	Carbon black	≥0.1 - <1

## 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 IN EYES: Flush eyes with water as a precaution. 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.

## Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:	Use carbon dioxide, regular dry chemical, alcohol-resistant foam or water spray.
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, and formaldehyde.
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.
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<p>Environment Precautions:</p>	<p>Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminate wash water. Local authorities should be advised if significant spillages cannot be contained.</p>
<p>Methods and Materials for Containment and Cleaning Up:</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. You will need to determine which regulations are applicable.</p>

<b>Section 7: Handling and Storage</b>	
<p><b>Precautions for Safe Handling</b></p> <p>Protective Measures:</p>	<p>Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.                  Use only with adequate ventilation.</p>
<p>Advice on General Occupational Hygiene:</p>	<p>Do not eat, drink, or smoke when using this product.                  Wash thoroughly after handling.                  Wash contaminate clothing before reuse.</p>
<p>Conditions for Safe Storage, including any Incompatibilities:</p>	<p>Store and handle in accordance with all current regulations and standards. Keep in properly labeled containers.                  Keep separated from incompatible substances.</p>
<p>Incompatibilities:</p>	<p>Strong oxidizing agents</p>

<b>Section 8: Exposure Controls/Personal Protection</b>		
<b>Component Exposure Limits</b>		
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>
64742-46-7	Distillates (petroleum), hydrotreated middle	<p><b>OSHA Z-1:</b> 5 mg/m<sup>3</sup> TWA (mist)  <b>OSHA P0:</b> 5 mg/m<sup>3</sup> TWA (mist)</p> <p><b>NIOSH REL:</b> 5 mg/m<sup>3</sup> TWA (mist); 10 mg/m<sup>3</sup> ST (mist)</p>
13463-67-7	Titanium dioxide	<p><b>ACGIH:</b> 10 mg/m<sup>3</sup> TWA  <b>OSHA Z-1:</b> 15 mg/m<sup>3</sup> TWA (total dust)</p>
1333-86-4	Carbon black	<p><b>ACGIH:</b> 3 mg/m<sup>3</sup> TWA (inhalable fraction)  <b>OSHA Z-1:</b> 3.5 mg/m<sup>3</sup> TWA  <b>NIOSH REL:</b> 3.5 mg/m<sup>3</sup> TWA</p>



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<p>Appropriate Engineering Controls:</p>	<p>Processing may form hazardous compounds (see section 10).                  Ensure adequate ventilation, especially in confined areas.                  Minimize workplace exposure concentrations.                  Ensure that eye flushing systems and safety showers are located close to the working place.</p>
<p><b>Individual Protection Measures</b></p>	
<p>Eye/Face Protection:</p>	<p>Wear safety glasses.</p>
<p>Skin Protection:</p>	<p>Skin should be washed after contact.</p>
<p>Hand Protection:</p>	<p>Wash hands before breaks and at the end of workday.</p>
<p>Respiratory Protection:</p>	<p>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.</p>
<p>Advice on General Occupational Hygiene:</p>	<p>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>

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

Section 10: Stability and Reactivity

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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:	Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

<b>Section 11: Toxicological Information</b>					
<b><u>Acute Toxicity</u></b>					
<b>Component Analysis – LD50/LC50</b>					
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
64742-46-7	Distillates (petroleum), hydrotreated middle	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	1.78 mg/L	4 hr
		LD50 Dermal	Rat	>2000 mg/kg	N/A
13463-67-7	Titanium dioxide	LD50 Oral	Rat	>10000 mg/kg	N/A
		LC50 Inhalation	Rat	>5000 mg/kg	4 hr
1333-86-4	Carbon black	LD50 Oral	Rat	>5000 mg/kg	N/A
		LC50 Inhalation	Rat	>0.0046 mg/L	4 hr
<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.			

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Medical Conditions Aggravated by Exposure:	No information is available.
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>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>Distillates (petroleum), hydrotreated middle:</b> The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

<b>Section 12: Ecological Information</b>						
<b>Ecotoxicity</b>						
No information available for the product.						
<b>Component Analysis – Aquatic Toxicity</b>						
<b>CAS</b>	<b>Component</b>	<b>Aquatic</b>	<b>Result</b>	<b>Species</b>	<b>Dose</b>	<b>Exposure</b>

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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
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
Persistence and Degradability:		No information available for the product.				
Bioaccumulative Potential:		No information available for the product.				
Mobility in Soil:		No information available for the product.				
Biodegradation:		No information available for the product.				

### Section 13: Disposal Considerations

Disposal Methods:	Dispose in accordance with all applicable federal, state/regional and local laws and regulations. This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste if discarded in its purchased form.
Disposal of Contaminated Packaging:	Dispose of unused product properly. Empty containers should be taken to an approved waste handling site for recycling or disposal.
Component Waste Numbers:	The U.S. EPA has not published waste numbers for this product's components.

### Section 14: Transport Information

#### International Regulation

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.

#### Domestic Regulation

# SAFTEY DATA SHEET

Product Identifier: ASI 502 Almond

Document #: SDS 053

Revision: 1

49 CFR:	Not regulated as a dangerous good.
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<b>Section 15: Regulatory Information</b>			
<b>US Federal Regulations</b>			
SARA 304 Extremely Hazardous Substances:			
<b>CAS</b>	<b>Component</b>	<b>Component RQ (lbs)</b>	<b>Calculated Product RQ (lbs)</b>
58-36-6	10, 10-Oxydiphenoxarsine	500	Exceeds reasonably attainable upper limit.
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.			
SARA 311/312: No SARA Hazards.			
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.			
TSCA: All components of this product are listed on TSCA Inventory.			
CERCLA Reportable Quantity:			
<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>			
Pennsylvania Right To Know			
<b>CAS</b>	<b>Component</b>	<b>Percent</b>	
70131-67-8	Dimethyl siloxane, hydroxy-terminated	70-90%	
7631-86-9	Silicon dioxide	5-10%	
64742-46-7	Distillates (petroleum), hydrotreated middle	5-10%	
7429-90-5	Aluminum	0-0.1%	
64-19-7	Acetic acid	0-0.1%	
108-24-7	Acetic anhydride	0-0.1%	
New Jersey Right To Know			
<b>CAS</b>	<b>Component</b>	<b>Percent</b>	
70131-67-8	Dimethyl siloxane, hydroxy-terminated	70-90%	
7631-86-9	Silicon dioxide	5-10%	
64742-46-7	Distillates (petroleum), hydrotreated middle	5-10%	
63148-62-9	Dimethyl siloxane, trimethylsiloxy-terminated	1-5%	
1333-86-4	Carbon Black	0.1-1%	

# SAFTEY DATA SHEET

Product Identifier: ASI 502 Almond

Document #: SDS 053

Revision: 1

California Proposition 65: Warning! This product contains a chemical known in the State of California to cause cancer.

Cobalt titanite green spinel (68186-85-6)

### Component Analysis – International Inventories

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Silicon dioxide	7631-86-9	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Distillates (petroleum), hydrotreated middle	64742-46-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	DSL	REACH	Yes	Yes	Yes	Yes	Yes	Yes

REACH: Consult your local Dow Corning office.

### Section 16: Other Information

Issue Date: 11/2/15

Revision: 1

NFPA Ratings:

Health: 1

Fire: 1

Reactivity: 0



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

HMIS III:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0

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

Key/Legend:

AICS (Australia); DSL (Canada); IECS (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:

## SAFETY DATA SHEET

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

**End of Document**



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