

# SAFETY DATA SHEET

Version: 2  
Issue Date: 6-19-2015  
Revision Date: 8-4-2022

## ASI 504 Almond

### Section 1: Product and Company Identification

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 504 Almond
Recommended Use:	Adhesive
Restrictions on Use:	None known

### Section 2: Hazard(s) Identification

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.

#### Label Elements

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

#### Precautionary Statement(s):

##### Prevention

Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.

##### 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.

### Section 3: Composition/Information on Ingredients

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Component	CASRN	Concentration
Distillates (petroleum), hydrotreated middle	64742-46-7	20 - 30
Silicon dioxide	7631-86-9	5 - 10
Titanium dioxide	13463-67-7	0.1 – 1
Carbon black	1333-86-4	0.1 – 1

## Section 4: First-Aid Measures

### Description of first aid measures

#### General advice:

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

<b>Inhalation:</b>	Move person to fresh air. Get medical attention if symptoms occur.
<b>Skin contact:</b>	Wash with soap and water as a precaution. Get medical advice/attention if symptoms occur.
<b>Eye contact:</b>	Flush eyes with water as a precaution. If eye irritation develops and persists: Get medical advice/attention.
<b>Ingestion:</b>	If swallowed, DO NOT induce vomiting. Get immediate medical attention if symptoms occur. Rinse mouth thoroughly with water.

## Section 5: Fire-Fighting Measures

### Extinguishing media

**Suitable Extinguishing Media:** Water spray. Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>) Dry chemical.

**Unsuitable Extinguishing Media:** None known.

### Special Hazards Arising from the substance or mixture

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

### Advice for firefighters

**Fire Fighting 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 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.

## Section 6: Accidental Release Measures

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<p><b>Personal Precautions, Protective Equipment and Emergency Procedures: Methods and Materials for Containment and Cleaning Up:</b></p>	<p>Follow safe handling advice and personal protective equipment recommendations.</p> <p>Absorb with inert absorbent material.</p> <p>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.</p> <p>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>
<p><b>Environment Precautions:</b></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>

<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.</p>
<p>Advice on General Occupational Hygiene:</p>	<p>Do not eat, drink, or smoke when using this product.</p> <p>Wash thoroughly after handling.</p> <p>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.</p> <p>Keep separated from incompatible substances.</p>
<p>Incompatibilities:</p>	<p>Strong oxidizing materials</p>

<b>Section 8: Exposure Controls/Personal Protection</b>			
<p><b>Control parameters</b></p> <p>If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.</p>			
Component	Regulation	Type of listing	Value
Distillates (petroleum), hydrotreated middle (64742-46-7)	OSHA Z-1	TWA Mist	5 mg/m3
	OSHA PO	TWA Mist	5 mg/m3
	NIOSH REL	TWA Mist ST Mist	5 mg/m3 10 mg/m3
Silicon dioxide (7631-86-9)	OSHA Z-3	TWA Dust	20 million particles/ft3 (Silica)
		TWA Dust	80 mg/m3/%SiO2 (Silica)
	NIOSH REL	TWA	6 mg/m3 (Silica)
Titanium dioxide (13463-67-7)	ACGIH	TWA	10 mg/m3
	OSHA Z-1	TWA Total Dust	15 mg/m3
Carbon black (1333-86-4)	ACGIH	TWA Inhalable Fraction	3 mg/m3

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	OSHA Z-1	TWA	3.5 mg/m3
	NIOSH REL	TWA	3.5 mg/m3
<p><b>Exposure controls</b></p> <p><b>Engineering controls:</b> Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Ensure compliance with applicable exposure limits.</p> <p><b>Individual protection measures</b></p> <p><b>Eye/face protection:</b> Wear safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.</p> <p><b>Skin protection</b> Skin should be washed after contact.</p> <p><b>Hand protection</b> Wear impervious gloves. Wash hands before breaks and at the end of workday.</p> <p><b>Respiratory protection:</b> 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>			

Section 9: Physical and Chemical Properties			
<b>Appearance</b>	Paste	<b>Color:</b>	In accordance with product description
<b>Odor:</b>	Acetic acid	<b>Odor Threshold:</b>	No data available
<b>pH:</b>	Not applicable	<b>Melting Point/freezing point:</b>	No data available
<b>Initial boiling point and boiling range:</b>	Not applicable	<b>Flash point:</b>	>100 °C (closed cup)
<b>Evaporation Rate (Butyl Acetate=1)</b>	Not applicable	<b>Decomposition:</b>	Not available
<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>	0.96
<b>Water Solubility</b>	No data available	<b>Vapor Density (air=1)</b>	Not available
<b>Auto Ignition:</b>	Not available	<b>Specific gravity (water=1):</b>	Not available
<b>Coefficient Water/Oil Dist:</b>	Not available	<b>KOC:</b>	Not available
<b>Viscosity:</b>	200,000 mPa.s	<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

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<b>Reactivity:</b>	Not classified as a reactivity hazard
<b>Chemical Stability:</b>	Stable under normal conditions
<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
<b>Hazardous Decomposition Products:</b>	Upon decomposition, this product emits carbon oxides, silicon oxides, and formaldehyde.

Section 11: Toxicological Information					
<i>Toxicological information appears in this section when such data is available.</i>					
<b>Acute Toxicity</b>					
<b>Component Analysis – LD50/LC50</b>					
CAS	Component	Result	Species	Dose	Exposure
64742-46-7	Distillates (petroleum), hydrotreated middle	LD50 Oral	Rat	> 5,000 mg/kg	N/A
		LC50 Inhalation	Rat	1.78 mg/L	4 hr
		LD50 Dermal	Rat	> 2,000 mg/kg	N/A
7631-86-9	Silicon dioxide	LD50 Oral	Rat	> 3,300 mg/kg	N/A
		LC50 Inhalation	Rat	> 2.08 mg/L	4 hr
		LD50 Dermal	Rabbit	> 5,000 mg/kg	N/A
13463-67-7	Titanium dioxide	LD50 Oral	Rat	> 10,000 mg/kg	N/A
		LC50 Inhalation	Rat	> 5,000 mg/kg	4 hr
1333-86-4	Carbon black	LD50 Oral	Rat	> 5,000 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.				
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.				

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<b>Component Carcinogenicity</b>										
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								
<table style="width: 100%; border: none;"> <tr> <td style="width: 30%; padding: 5px;">Reproductive Toxicity:</td> <td style="padding: 5px;">Not classified based on available information.</td> </tr> <tr> <td style="padding: 5px;">Specific Target Organ Toxicity – Single Exposure:</td> <td style="padding: 5px;">No target organs identified.</td> </tr> <tr> <td style="padding: 5px;">Specific Target Organ Toxicity – Repeated Exposure:</td> <td style="padding: 5px;">No target organs identified.</td> </tr> <tr> <td style="padding: 5px;">Aspiration Hazard:</td> <td style="padding: 5px;">Not classified based on available information.</td> </tr> </table>			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.
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Aspiration Hazard:	Not classified based on available information.									

<b>Section 12: Ecological Information</b>																																																				
<p><b>Ecotoxicity</b></p> <p style="text-align: center;">No information available for the product.</p>																																																				
<p><b>Component Analysis – Aquatic Toxicity</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">CAS</th> <th style="width: 15%;">Component</th> <th style="width: 10%;">Aquatic</th> <th style="width: 10%;">Result</th> <th style="width: 20%;">Species</th> <th style="width: 10%;">Dose</th> <th style="width: 10%;">Exposure</th> </tr> </thead> <tbody> <tr> <td rowspan="4" style="text-align: center; vertical-align: top;">13463-67-7</td> <td rowspan="4" style="text-align: center; vertical-align: top;">Titanium dioxide</td> <td style="text-align: center;">Fish</td> <td style="text-align: center;">LC50</td> <td>Rainbow trout (<i>Oncorhynchus mykiss</i>)</td> <td style="text-align: center;">&gt; 100 mg/L</td> <td style="text-align: center;">96 hr</td> </tr> <tr> <td style="text-align: center;">Invertebrates</td> <td style="text-align: center;">EC50</td> <td>Water flea (<i>Daphnia magna</i>)</td> <td style="text-align: center;">&gt; 100 mg/L</td> <td style="text-align: center;">48 hr</td> </tr> <tr> <td style="text-align: center;">Algae</td> <td style="text-align: center;">EC50</td> <td>Marine diatom (<i>Skeletonema costatum</i>)</td> <td style="text-align: center;">&gt; 10,000 mg/L</td> <td style="text-align: center;">72 hr</td> </tr> <tr> <td style="text-align: center;">Bacteria</td> <td style="text-align: center;">EC50</td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">&gt; 1,000 mg/L</td> <td style="text-align: center;">3 hr</td> </tr> <tr> <td rowspan="3" style="text-align: center; vertical-align: top;">1333-86-4</td> <td rowspan="3" style="text-align: center; vertical-align: top;">Carbon black</td> <td style="text-align: center;">Fish</td> <td style="text-align: center;">LC50</td> <td>Zebrafish (<i>Danio rerio</i>)</td> <td style="text-align: center;">1,000 mg/L</td> <td style="text-align: center;">96 hr</td> </tr> <tr> <td style="text-align: center;">Invertebrates</td> <td style="text-align: center;">EC50</td> <td>Water flea (<i>Daphnia magna</i>)</td> <td style="text-align: center;">&gt; 5,600 mg/L</td> <td style="text-align: center;">24 hr</td> </tr> <tr> <td style="text-align: center;">Algae</td> <td style="text-align: center;">NOEC</td> <td>Green algae (<i>Desmodesmus subspicatus</i>)</td> <td style="text-align: center;">10,000 mg/L</td> <td style="text-align: center;">72 hr</td> </tr> </tbody> </table>							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	> 1,000 mg/L	3 hr	1333-86-4	Carbon black	Fish	LC50	Zebrafish ( <i>Danio rerio</i> )	1,000 mg/L	96 hr	Invertebrates	EC50	Water flea ( <i>Daphnia magna</i> )	> 5,600 mg/L	24 hr	Algae	NOEC	Green algae ( <i>Desmodesmus subspicatus</i> )	10,000 mg/L	72 hr
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13463-67-7	Titanium dioxide	Fish	LC50	Rainbow trout ( <i>Oncorhynchus mykiss</i> )	> 100 mg/L	96 hr																																														
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1333-86-4	Carbon black	Fish	LC50	Zebrafish ( <i>Danio rerio</i> )	1,000 mg/L	96 hr																																														
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Section 13: Disposal Considerations	
<b>Disposal methods:</b>	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.
<b>Disposal of Contaminated Packaging:</b>	Dispose of unused product properly. Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Component Waste Numbers:</b>	The U.S. EPA has not published waste numbers for this product's components.

Section 14: Transport Information	
<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 regulated as a dangerous good.
<b>Domestic Regulation</b>	
49 CFR:	Not regulated as a dangerous good.

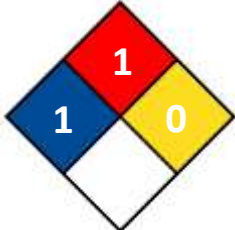
Section 15: Regulatory Information			
<b>US Federal Regulations</b>			
SARA 304 Extremely Hazardous Substances:			
<b>CAS</b>	<b>Component</b>	<b>Component RQ (lbs)</b>	<b>Calculated Product RQ (lbs)</b>
58-36-6	10, 10-Oxydiphenoxarsine	500	Exceeds reasonably attainable upper limit.
SARA 302:		No chemicals 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.

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<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	50 – 70%								
64742-46-7	Distillates (petroleum), hydrotreated middle	20 – 30%								
4631-86-9	Silicon dioxide	5 – 10%								
7429-90-5	Aluminum	0.1 – 1%								
64-19-7	Acetic acid	0.1 – 1%								
108-24-7	Acetic anhydride	0.1 – 1%								
New Jersey Right To Know										
<b>CAS</b>	<b>Component</b>	<b>Percent</b>								
70131-67-8	Dimethyl siloxane, hydroxy-terminated	50 – 70%								
64742-46-7	Distillates (petroleum), hydrotreated middle	20 – 30%								
7631-86-9	Silicon dioxide	5 – 10%								
1333-86-4	Carbon black	0.1 – 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)										
CAS	Component	US	CA	EU	AU	PH	JP	KR	CN	NZ
64742-46-7	Distillates (petroleum), hydrotreated middle	X	DSL	REACH	X	X	X	X	X	X
7631-86-9	Silicon dioxide	X	DSL	REACH	X	X	X	X	X	X
13463-67-7	Titanium dioxide	X	DSL	REACH	X	X	X	X	X	X
1333-86-4	Carbon black	X	DSL	REACH	X	X	X	X	X	X
DSL:		This product contains one or more substances which are not on the Canadian Domestic Substances List (DSL). Import of this product into Canada has volume limitations. For volume limits please consult Dow Corning Regulatory Compliance.								
REACH:		Consult your local Dow Corning office.								

<b>Section 16: Other Information</b>	
Issue Date:	6-19-2015
Revision Date:	8-4-2022
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NFPA Ratings:	
Health:	1
Fire:	1
Reactivity:	0
	



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

HMIS III:

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

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**