

# SAFETY DATA SHEET

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

## ASI 504 Aluminum

### 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 Aluminum

Recommended Use: Adhesive, binding agents

Restrictions on Use: None known

### Section 2: Hazard(s) Identification

#### Hazard Classification

GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

#### Other hazards

No data available

### Section 3: Composition/Information on Ingredients

**Chemical Nature:** Silicone elastomer

This product is a mixture.

Component	CASRN	Concentration
Distillates (petroleum), hydrotreated middle	64742-46-7	>= 20.0 – 30.0%

### 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.

# SAFETY DATA SHEET

Product Identifier: ASI 504 Aluminum

Version: 2

**Inhalation:** Move person to fresh air and keep comfortable for breathing; consult a physician.

**Skin contact:** Wash off with plenty of water.

**Eye contact:** Flush eyes thoroughly 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: Toxicological 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

### 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 combustion products:** Carbon oxides. Silicon oxides.

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

### Advice for firefighters

**Fire Fighting Procedures:** Use water spray to cool unopened containers. Evacuate area. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Remove undamaged containers from fire area if it is safe to do so.

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

## Section 6: Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures: Methods and Materials for Containment and Cleaning Up:

Follow safe handling advice and personal protective equipment recommendations.

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, store recovered material in appropriate container.

# SAFETY DATA SHEET

Product Identifier: ASI 504 Aluminum

Version: 2

<b>Environment Precautions:</b>	<p>See sections: 7, 8, 11, 12 and 13.</p> <p>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.</p>
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<b>Section 7: Handling and Storage</b>	
<b>Precautions for Safe Handling</b>	<p>Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice.</p> <p>Use only with adequate ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.</p>
<b>Conditions for Safe Storage, including any Incompatibilities:</b>	<p>Keep in properly labelled containers. Store in accordance with the particular national regulations.</p> <p>Do not store with the following product types: Strong oxidizing agents. Unsuitable materials for containers: None known.</p>

<b>Section 8: Exposure Controls/Personal Protection</b>			
<b>Control parameters</b>			
If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.			
Component	Regulation	Type of listing	Value
Distillates (petroleum), hydrotreated middle	OSHA Z-1	TWA	2,000 mg/m <sup>3</sup> 500 ppm
	<i>Further information: (b): The value in mg/m<sup>3</sup> is approximate</i>		
	OSHA Z-1	TWA Mist	5 mg/m <sup>3</sup>
	OSHA P0	TWA Mist	5 mg/m <sup>3</sup>
<p>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.</p> <p><b>Exposure controls</b></p> <p><b>Engineering controls:</b> 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.</p> <p><b>Individual protection measures</b></p> <p><b>Eye/face protection:</b> Use safety glasses (with side shields).</p> <p><b>Skin protection</b>      <b>Hand protection:</b> Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Chlorinated polyethylene. Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Polyethylene. Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl alcohol ("PVA"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. Examples of acceptable glove barrier materials include: Butyl rubber. Natural rubber ("latex"). NOTICE: The selection of a specific glove for a particular application and duration of use in a</p>			

## SAFTEY DATA SHEET

Product Identifier: ASI 504 Aluminum

Version: 2

<b>Respiratory protection:</b>	<p>workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.</p> <p><b>Other protection:</b> Wear clean, body-covering clothing.</p> <p>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.</p>
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<b>Section 9: Physical and Chemical Properties</b>			
<b>Appearance</b>	Paste	<b>Color:</b>	Grey
<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>	Not applicable
<b>Evaporation Rate (Butyl Acetate=1)</b>	Not applicable	<b>Flammability (solid, gas)</b>	Not classified as a flammability hazard
<b>Upper/lower flammability or explosive limits</b>	No data available	<b>Vapor Pressure:</b>	Not applicable
<b>Vapor Density (air = 1):</b>	No data available	<b>Density:</b>	0.96
<b>Water Solubility</b>	No data available	<b>Partition Coefficient (n-octanol/water)</b>	No data available
<b>Auto Ignition:</b>	No data available	<b>Decomposition temperature</b>	No data available
<b>Dynamic viscosity</b>	Not applicable	<b>Kinematic viscosity</b>	No data available
<b>Explosive properties</b>	Not explosive	<b>Oxidizing properties</b>	The substance or mixture is not classified as oxidizing
<b>Molecular weight</b>	No data available		
NOTE: The physical data presented above are typical values and should not be construed as a specification.			

<b>Section 10: Stability and Reactivity</b>	
<b>Reactivity:</b>	Not classified as a reactivity hazard
<b>Chemical Stability:</b>	Stable under normal conditions
<b>Possibility of Hazardous Reactions:</b>	Can react with strong oxidizing agents.

# SAFTEY DATA SHEET

Product Identifier: ASI 504 Aluminum

Version: 2

<b>Conditions to Avoid:</b>	None known.
<b>Incompatible Materials:</b>	Oxidizing agents
<b>Hazardous Decomposition Products:</b>	Decomposition products can include and are not limited to: Formaldehyde

## Section 11: Toxicological Information

*Toxicological information appears in this section when such data is available.*

**Information on likely routes of exposure** Eye contact, skin contact, ingestion

**Acute toxicity (represents short term exposures with immediate effects – no chronic/delayed effects known unless otherwise noted)**

**Acute oral toxicity** Very low if swallowed. Harmful effects not anticipated from swallowing small amounts.

As product: Single dose oral LD50 has not been determined.

Based on information for component(s):  
LD50, >5,000 mg/kg Estimated

**Information for components:**

**Distillates (petroleum), hydrotreated middle**

LD50, Rat, >5,000 mg/kg

**Acute dermal toxicity** Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product: The dermal LD50 has not been determined.

Based on information for component(s):  
LD50, >2,000 mg/kg Estimated

**Information for components:**

**Distillates (petroleum), hydrotreated middle**

LD50, Rabbit, >3,160 mg/kg No deaths occurred at this concentration.

**Acute inhalation toxicity** Brief exposure (minutes) is not likely to cause adverse effects.

As product: The LC50 has not been determined.

**Information for components:**

**Distillates (petroleum), hydrotreated middle**

LC50, Rat, 4 hour, dust/mist, >5.2 mg/l

**Skin corrosion/irritation** Based on information for component(s):  
Prolonged contact may cause skin irritation with local redness.

**Information for components:**

**Distillates (petroleum), hydrotreated middle**

No skin irritation

**Serious eye damage/irritation** Based on information for component(s):  
May cause slight temporary eye irritation.

# SAFTEY DATA SHEET

Product Identifier: ASI 504 Aluminum

Version: 2

	May cause mild eye discomfort. Corneal injury is unlikely.
<b><u>Information for components:</u></b>	
	<b><u>Distillates (petroleum), hydrotreated middle</u></b>
<b>Sensitization</b>	No eye irritation
	For skin sensitization: Contains component(s) which did not cause allergic skin sensitization in guinea pigs.
	For respiratory sensitization: No relevant information found.
<b><u>Information for components:</u></b>	
	<b><u>Distillates (petroleum), hydrotreated middle</u></b>
	For similar material(s): Did not cause allergic skin reactions when tested in guinea pigs.
	For respiratory sensitization: No relevant data found.
<b>Specific target organ toxicity-single exposure</b>	Evaluation of available data suggests that this material is not an STOT-SE toxicant.
<b><u>Information for components:</u></b>	
	<b><u>Distillates (petroleum), hydrotreated middle</u></b>
	Available data are inadequate to determine single exposure specific target organ toxicity.
<b>Aspiration Hazard</b>	Based on physical properties, not likely to be an aspiration hazard.
<b><u>Information for components:</u></b>	
	<b><u>Distillates (petroleum), hydrotreated middle</u></b>
	May be fatal if swallowed and enters airways.
<b>Chronic toxicity (represents longer term exposures with repeated dose resulting in chronic/delayed effects - no immediate effects known unless otherwise noted)</b>	
<b>Specific Target Organ Toxicity – Repeated Exposure:</b>	Contains a component(s) that is/are not expected to be bioavailable due to the physical state of the material under normal handling and processing conditions.
<b><u>Information for components:</u></b>	
	<b><u>Distillates (petroleum), hydrotreated middle</u></b>
	Based on available data, repeated exposures are not anticipated to cause significant adverse effects.
<b>Carcinogenicity</b>	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. Contains an additional component(s) that is not expected to be bioavailable due to the physical state of the material under normal handling and processing conditions.
<b><u>Information for components:</u></b>	
	<b><u>Distillates (petroleum), hydrotreated middle</u></b>
	For similar material(s): Did not cause cancer in laboratory animals.

# SAFETY DATA SHEET

Product Identifier: ASI 504 Aluminum

Version: 2

<b>Teratogenicity</b>	For this family of materials: Did not cause birth defects or any other fetal effects in laboratory animals. <b><u>Information for components:</u></b> <b><u>Distillates (petroleum), hydrotreated middle</u></b>
<b>Reproductive toxicity</b>	For similar material(s): Did not cause birth defects or any other fetal effects in laboratory animals. Contains component(s) which did not interfere with reproduction in animal studies. Contains component(s) which did not interfere with fertility in animal studies. <b><u>Information for components:</u></b> <b><u>Distillates (petroleum), hydrotreated middle</u></b>
<b>Mutagenicity</b>	For similar material(s): In animal studies, did not interfere with reproduction. For this family of materials: In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative. <b><u>Information for components:</u></b> <b><u>Distillates (petroleum), hydrotreated middle</u></b>
	In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

## Section 12: Ecological Information

*Ecotoxicological information appears in this section when such data is available.*

### Toxicity

#### **Distillates (petroleum), hydrotreated middle**

##### **Acute toxicity to fish**

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100 mg/L in the most sensitive species tested).

LL50, Scophthalmus maximus (turbot), 96 Hour, > 1,028 mg/l, Test substance: Water Accommodated Fraction

##### **Acute toxicity to aquatic invertebrates**

LL50, Acartia tonsa, 48 Hour, > 3,193 mg/l, Test substance: Water Accommodated Fraction

##### **Acute toxicity to algae/aquatic plants**

EL50, Skeletonema costatum (marine diatom), 72 Hour, > 10,000 mg/l, Test substance: Water Accommodated Fraction

##### **Toxicity to bacteria Product name: XIAMETER™ SLT-5400 Sealant Acetoxy Extended Aluminum**

Issue Date: 02/12/2020 Page 9 of 12

EC50, 3 Hour, > 100 mg/l, OECD Test Guideline 209

##### **Chronic toxicity to aquatic invertebrates**

NOELR, Ceriodaphnia dubia (water flea), 8 d, > 100 mg/l, Test substance: Water Accommodated Fraction

### **Persistence and Degradability:**

#### **Distillates (petroleum), hydrotreated middle**

# SAFTEY DATA SHEET

Product Identifier: ASI 504 Aluminum

Version: 2

<p><b>Biodegradability:</b> Material is expected to be readily biodegradable. 10-day Window: Not applicable</p> <p><b>Biodegradation:</b> 74 %</p> <p><b>Exposure time:</b> 28 d</p> <p><b>Method:</b> OECD Test Guideline 306</p> <p><b>Bioaccumulative Potential:</b> <b>Distillates (petroleum), hydrotreated middle</b> <b>Bioaccumulation:</b> No relevant data found.</p> <p><b>Mobility in soil</b> <b>Distillates (petroleum), hydrotreated middle</b> No relevant data found.</p>
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## 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: 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:**

Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Do not re-use containers for any purpose.

## Section 14: Transport Information

**DOT**

Not regulated for transport

**Classification for SEA transport (IMO-IMDG):**

Not regulated as dangerous goods

**Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code** Consult IMO regulations before transporting ocean bulk

**Classification for AIR transport (IATA/ICAO):**

Not regulated for transport



# SAFTEY DATA SHEET

Product Identifier: ASI 504 Aluminum

Version: 2

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.

## 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) Sections 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.

### Pennsylvania Right To Know

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

Components	CASRN
Polydimethylsiloxane hydroxy-terminated	701313-67-8
Distillates (petroleum), hydrotreated middle	64742-46-7
Silicon dioxide	7631-86-9
Aluminum	7429-90-5

### California Prop. 65

This product contains a chemical that is at or below California Propositions 65's "safe harbor level" as determined via a risk assessment. Therefore, the chemical is not required to be listed as a Prop 65 chemical on the SDS or label.

### 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

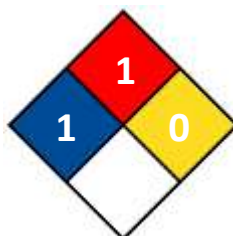
Issue Date: 6-19-2015

Revision Date: 8-4-2022

Revision: 2

NFPA Ratings:

Health: 1  
Fire: 1  
Reactivity: 0



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

# SAFTEY DATA SHEET

Product Identifier: ASI 504 Aluminum

Version: 2

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**