



**ASI 502 White (CANADIAN ENGLISH)**

<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 White (CANADIAN ENGLISH)
Recommended Use:	Adhesive, binding agents
Restrictions on Use:	None known

<b>Section 2: Hazard(s) Identification</b>
<p><b>Hazard Classification</b></p> <p>This product is not hazardous under the criteria of the Hazardous Products Regulation (HPR) as implemented under the Workplace Hazardous Materials Information System (WHMIS 2015).</p> <p><b>Other hazards</b></p> <p>No data available</p>

<b>Section 3: Composition/Information on Ingredients</b>		
<b>Chemical Nature:</b>	Silicone elastomer	
	<b>Component</b>	<b>CASRN</b>
	Diodomethyl-p-tolysulfone	20018-09-1
		<b>Concentration (w/w)</b>
		<=0.0108%

<b>Section 4: First-Aid Measures</b>
<p><b>Description of first aid measures</b></p> <p><b>General advice:</b></p> <p>First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.</p>

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

**Skin contact:** Wash off with plenty of water. Suitable emergency safety shower facility should be available in work area.

**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:** If burn is present, treat as any thermal burn, after decontamination. 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 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:** 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:** Follow safe handling advice and personal protective equipment recommendations.

**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, store recovered material in appropriate container. See sections: 7, 8, 11, 12 and 13.

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**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.

## 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, including any Incompatibilities:** Keep in properly labelled containers. Store in accordance with the particular national regulations.

Do not store with the following product types: 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.

Consult local authorities for recommended exposure limits.

Component	Type of Listing	Value
Diiodomethyl-p-tolylsulfone	TWA (inhalable fraction)	0.1 mg/m <sup>3</sup>
	STEL (inhalable fraction)	1 mg/m <sup>3</sup>

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

**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

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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>Appearance</b>	Paste	<b>Color:</b>	In accordance with the product description
<b>Odor:</b>	Acetic acid	<b>Odor Threshold:</b>	No data applicable
<b>pH:</b>	Not applicable	<b>Melting Point/freezing point:</b>	No data available
<b>Boiling Point (760 mmHg)</b>	Not applicable	<b>Flash point:</b>	Not applicable
<b>Evaporation Rate: (Butyl Acetate=1)</b>	Not applicable	<b>Flammability (soild, 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>	1.007
<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>	Not applicable
<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	<b>Particle size</b>	No data 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 under normal conditions
<b>Possibility of Hazardous Reactions:</b>	Can react with strong oxidizing agents. When heated to temperatures above 150 °C (300 °F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required.
<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

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*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.

**Information for components:**

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

**Diiodomethyl-p-tolylsulfone**

**Acute dermal toxicity**

LD50, Rat, >5,000 mg/kg  
Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product: The dermal LD50 has not been determined.

**Information for components:**

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

**Diiodomethyl-p-tolylsulfone**

**Acute inhalation toxicity**

LD50, Rabbit, >20,000 mg/kg  
No adverse effects are anticipated from inhalation.

As product: The LC50 has not been determined.

**Information for components:**

**Diiodomethyl-p-tolylsulfone**

**Skin corrosion/irritation**

LC50, Rat, 4 h, dust/mist, 0.96 mg/L  
Based on information for component(s):  
Prolonged exposure not likely to cause significant skin irritation.

**Information for components:**

**Diiodomethyl-p-tolylsulfone**

**Serious eye damage/irritation**

Brief contact is essentially nonirritating to skin.  
Prolonged contact may cause slight skin irritation with local redness.  
Based on information for component(s):  
May cause slight temporary eye irritation.  
Corneal injury is unlikely.

**Information for components:**

**Diiodomethyl-p-tolylsulfone**

**Sensitization**

May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.  
For skin sensitization:  
For the component(s) tested:  
Did not cause allergic skin reactions when tested in humans.  
Did not cause allergic skin reactions when tested in guinea pigs.

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<b>Information for components:</b>	For respiratory sensitization: No relevant information found. <b><u>Diiodomethyl-p-tolylsulfone</u></b>
	Has demonstrated the potential for contact allergy in mice.
<b>Specific target organ toxicity-single exposure</b>	For respiratory sensitization: No relevant data found. Evaluation of available data suggests that this material is not an STOT-SE toxicant.
<b>Information for components:</b>	<b><u>Diiodomethyl-p-tolylsulfone</u></b>
<b>Aspiration Hazard</b>	Evaluation of available data suggests that this material is not an STOT-SE toxicant.
<b>Information for components:</b>	Based on physical properties, not likely to be an aspiration hazard. <b><u>Diiodomethyl-p-tolylsulfone</u></b>
<b>Chronic toxicity (represents longer term exposures with repeated dose resulting in chronic/delayed effects - no immediate effects known unless otherwise noted)</b>	Based on physical properties, not likely to be an aspiration hazard.
<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>Information for components:</b>	<b><u>Diiodomethyl-p-tolylsulfone</u></b>
<b>Carcinogenicity</b>	In animals, effects have been reported on the following organs after ingestion: Gastrointestinal tract Salivary glands Thyroid Liver Based on information for component(s): 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>Information for components:</b>	<b><u>Diiodomethyl-p-tolylsulfone</u></b>
<b>Teratogenicity</b>	Animal testing and human experience demonstrate no significant risk of human cancer from exposure to relatively pure amorphous silica. Contains component(s) which did not cause birth defects or any other fetal effects in lab animals.
<b>Information for components:</b>	<b><u>Diiodomethyl-p-tolylsulfone</u></b>
	Has been toxic to the fetus in laboratory animals at doses toxic to the mother. These effects have been shown to be associated with iodine toxicity; similar effects are unlikely in humans. Iodine levels due to use of this product are expected to be much lower than the maximum tolerable

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<b>Reproductive toxicity</b>	upper intake limits in humans for iodine as recommended by the World Health Organization. Did not cause birth defects in laboratory animals.
<b>Information for components:</b>	<u><b>Diiodomethyl-p-tolylsulfone</b></u>
<b>Mutagenicity</b>	In laboratory animal studies, effects on reproduction have been seen only at doses that produced significant toxicity to the parent animals. These effects have been shown to be associated with iodine toxicity; similar effects are unlikely in humans. Iodine levels due to use of this product are expected to be much lower than the maximum tolerable upper intake limits in humans for iodine as recommended by the World Health Organization.
<b>Information for components:</b>	<u><b>Diiodomethyl-p-tolylsulfone</b></u>
	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

#### **Diiodomethyl-p-tolylsulfone**

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

Material is highly toxic to aquatic organisms on an acute basis (LC50/EC50 between 0.1 and 1 mg/L in the most sensitive species tested).  
LC50, Oncorhynchus mykiss (rainbow trout), flow-through test, 96 Hour, 0.067 mg/l, OECD Test Guideline 203 or Equivalent  
LC50, Lepomis macrochirus (Bluegill sunfish), static test, 96 Hour, 0.35 - 0.75 mg/l, OECD Test Guideline 203 or Equivalent

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

LC50, Daphnia magna (Water flea), static test, 48 Hour, 0.071 - 8 mg/l, OECD Test Guideline 202 or Equivalent  
EC50, Daphnia magna (Water flea), flow-through test, 48 Hour, 0.279 mg/l, OECD Test Guideline 202 or Equivalent

##### **Toxicity to bacteria**

IC50, activated sludge, > 9 mg/l, OECD 209 Test

##### **Toxicity to Above Ground Organisms**

Material is practically non-toxic to birds on an acute basis (LD50 > 2000 mg/kg).  
Material is practically non-toxic to birds on a dietary basis (LC50 > 5000 ppm).  
dietary LC50, Colinus virginianus (Bobwhite quail), > 5,620 ppm  
dietary LC50, Anas platyrhynchos (Mallard duck), > 5,620 ppm  
oral LD50, Colinus virginianus (Bobwhite quail), > 2,510 mg/kg

### **Persistence and Degradability:**

#### **Diiodomethyl-p-tolylsulfone**

##### **Biodegradability**

Inherent biodegradable test(s) with radiolabeled material shows complete primary biodegradation of the parent compound. This was coupled with limited mineralization (<20%) to radiolabeled CO2 in the 28 day test. These

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results indicate that the material is susceptible to complete degradation consistent with inherent, primary biodegradability.

10-day Window: Fail

Biodegradation (%)	Exposur Time	Method
0%	28 Days	OECD Test Guideline 301F or Equivalent 10-day Window: Fail
10.8-13.8%	28 days	OECD Test Guideline 301B or Equivalent

**Theoretical Oxygen Demand** 0.76 mg/mg Calculated

**Stability in Water (1/2 Life)** Hydrolysis, half-life, 2.7 d, pH 7, Half-life Temperature 25 °C

Hydrolysis, half-life, 3.4 d, pH 9, Half-life Temperature 25 °C

**Bioaccumulative Potential:**

**Diiodomethyl-p-tolylsulfone**

**Bioaccumulation** Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

**Partition Coefficient:** 2.66 Measured

**n-octanol/water (log Pow)**

**Mobility in soil**

Diiodomethyl-p-tolylsulfone

Potential for mobility in soil is medium (Koc between 150 and 500).

**Partition Coefficient (Koc)** 200 Estimated

## 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.



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## Section 14: Transport Information

### TDG

Not regulated for transport

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

Not regulated for transport

**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

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

### Canadian Domestic Substances List (DSL)

All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

## Section 16: Other Information

Issue Date: 6/26/2015

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### Key/Legend:

TWA – Time Weighted Average

STEL – Short Term Exposure Limit

### Disclaimer:

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

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