



**ASI 502 Colors (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 Colors
Recommended Use:	Adhesive, binding agents
Restrictions on Use:	None known

<b>Section 2: Hazard(s) Identification</b>	
<b>Hazard Classification</b>	
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).	
<b>Label Elements</b>	
<b>Precautionary Statements</b>	
<b>Prevention</b>	Use only outdoors or in a well-ventilated area.
<b>Other hazards</b>	
No data available	

<b>Section 3: Composition/Information on Ingredients</b>		
<b>Chemical Nature:</b>	Silicone elastomer	
This product is a mixture.		
<b>Chemical Name</b>	<b>CASRN</b>	<b>CONCENTRATION (w/w)</b>
Diodomethyl-p-tolylsulfone	20018-09-1	>=0.004 - <=0.014%

<b>Section 4: First-Aid Measures</b>

## SAFTEY DATA SHEET

Product Identifier: ASI 502 Colors (CANADIAN ENGLISH)

Revision: 1

### Description of first aid measures

#### General advice:

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

**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:** Rinse mouth with water. 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. Skin contact may aggravate preexisting dermatitis.

### 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:** 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

## SAFETY DATA SHEET

Product Identifier: ASI 502 Colors (CANADIAN ENGLISH)

Revision: 1

<b>Environment Precautions:</b>	<p>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.</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>		
<p><b>Control parameters</b></p> <p>If exposure limits exists, they are listed below. If no exposure limits are displayed, then no values are applicable. Consult local authorities for recommended exposure limits.</p>		
Component	Listing	Value
Diiodomethyl-p-tolylsulfone	TWA (inhalable fraction) STEL (inhalable fraction)	0.1 mg/m <sup>3</sup> 1 mg/m <sup>3</sup>
<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></p> <p><b>Hand protection:</b> Use gloves chemically resistant to this material. Examples of preferred glove barrier materials include: Butyl rubber. Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl alcohol ("PVA"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. Examples of acceptable glove barrier materials include: Natural rubber ("latex"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements</p>		

## SAFTEY DATA SHEET

Product Identifier: ASI 502 Colors (CANADIAN ENGLISH)

Revision: 1

<b>Respiratory protection:</b>	<p>(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> Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.</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.</p> <p>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>	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>	212 °F (100 °C) Closed cup
<b>Evaporation Rate:</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.			

<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. 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.

## SAFTEY DATA SHEET

Product Identifier: ASI 502 Colors (CANADIAN ENGLISH)

Revision: 1

<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:** **Diiodomethyl-p-tolylsulfone**

**Acute dermal toxicity** LD50, Rat, >5,000 mg/kg Estimated  
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:** **Diiodomethyl-p-tolylsulfone**

**Acute inhalation toxicity** LD50, Rabbit, >20,000 mg/kg  
Brief exposure (minutes) is not likely to cause adverse effects. Vapor from heated material may cause respiratory irritation.

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.  
May cause drying and flaking of the skin.

**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

## SAFTEY DATA SHEET

Product Identifier: ASI 502 Colors (CANADIAN ENGLISH)

Revision: 1

<b>Information for components:</b>	May cause mild eye discomfort. <b>Diiodomethyl-p-tolylsulfone</b>
<b>Sensitization</b>	May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur. For skin sensitization: Contains component(s) which did not cause allergic skin sensitization in guinea pigs.  For respiratory sensitization: No relevant information found.
<b>Information for components:</b>	<b>Diiodomethyl-p-tolylsulfone</b>  Has demonstrated the potential for contact allergy in mice.  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>Information for components:</b>	<b>Diiodomethyl-p-tolylsulfone</b>  Evaluation of available data suggests that this material is not an STOT-SE toxicant.
<b>Aspiration Hazard</b>	Based on physical properties, not likely to be an aspiration hazard.
<b>Information for components:</b>	<b>Diiodomethyl-p-tolylsulfone</b>  Based on physical properties, not likely to be an aspiration hazard.
<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>	Based on available data for the component(s), repeated exposures are not anticipated to cause significant adverse effects.
<b>Information for components:</b>	<b>Diiodomethyl-p-tolylsulfone</b>  In animals, effects have been reported on the following organs after ingestion: Gastrointestinal tract. Salivary glands. Thyroid. Liver.
<b>Carcinogenicity</b>	No relevant data found
<b>Information for components:</b>	<b>Diiodomethyl-p-tolylsulfone</b>  Animal testing and human experience demonstrate no significant risk of human cancer from exposure to relatively pure amorphous silica.
<b>Teratogenicity</b>	Contains component(s) which did not cause birth defects or any other fetal effects in lab animals.
<b>Information for components:</b>	<b>Diiodomethyl-p-tolylsulfone</b>

## SAFETY DATA SHEET

Product Identifier: ASI 502 Colors (CANADIAN ENGLISH)

Revision: 1

<b>Reproductive toxicity</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 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>	<b>Diiodomethyl-p-tolylsulfone</b>
<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>	In vitro genetic toxicity studies were negative for component(s) tested. Genetic toxicity studies in animals were negative for component(s) tested.
<b>Information for components:</b>	<b>Diiodomethyl-p-tolylsulfone</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**

**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

## SAFTEY DATA SHEET

Product Identifier: ASI 502 Colors (CANADIAN ENGLISH)

Revision: 1

**Persistence and Degradability:**

**Diiodomethyl-p-tolylsulfone**

**Biodegradability**

Biodegradation (%)	Exposure 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 n-octanol/water (log Pow)** 2.66 Measured

**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.



## SAFTEY DATA SHEET

Product Identifier: ASI 502 Colors (CANADIAN ENGLISH)

Revision: 1

### 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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Revision: 1

#### **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.

**End of Document**