



ASI 502 Clear (CANADIAN ENGLISH)

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 502 Clear
Recommended Use:	Adhesive, binding agents
Restrictions on Use:	None known

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

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

Section 4: First-Aid Measures

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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 (CO₂) 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

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Environment Precautions:	<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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Section 7: Handling and Storage	
Precautions for Safe Handling	<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>
Conditions for Safe Storage, including any Incompatibilities:	<p>Keep in properly labelled containers. Store in accordance with the particular national regulations.</p> <p style="text-align: right;">Do not store with the following product types: Strong oxidizing agents. Unsuitable materials for containers: None known.</p>

Section 8: Exposure Controls/Personal Protection		
<p>Control parameters</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 ³ 1 mg/m ³
<p>Exposure controls</p> <p>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.</p> <p>Individual protection measures</p> <p>Eye/face protection: Use safety glasses (with side shields).</p> <p>Skin protection</p> <p>Hand protection: 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>		

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Respiratory protection:	<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>Other protection: 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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Section 9: Physical and Chemical Properties			
Appearance	Paste	Color:	Colorless
Odor:	Acetic acid	Odor Threshold:	No data available
pH:	Not applicable	Melting Point/freezing point:	No data available
Initial boiling point and boiling range:	Not applicable	Flash point:	212 °F (100 °C) Closed cup
Evaporation Rate:	Not applicable	Flammability (soild, gas)	Not classified as a flammability hazard
Upper/lower flammability or explosive limits	No data available	Vapor Pressure:	Not applicable
Vapor Density (air = 1):	No data available	Density:	1.007
Water Solubility	No data available	Partition Coefficient (n-octanol/water)	No data available
Auto Ignition:	No data available	Decomposition temperature	No data available
Dynamic viscosity	Not applicable	Kinematic viscosity	Not applicable
Explosive properties	Not explosive	Oxidizing properties	The substance or mixture is not classified as oxidizing
Molecular weight	No data available	Particle size	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	
Reactivity:	Not classified as a reactivity hazard
Chemical Stability:	Stable under normal conditions
Possibility of Hazardous Reactions:	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.
Conditions to Avoid:	None known.

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Incompatible Materials:	Oxidizing agents
Hazardous Decomposition Products:	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

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Information for components:	May cause mild eye discomfort. <u>Diiodomethyl-p-tolylsulfone</u>
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: Contains component(s) which did not cause allergic skin sensitization in guinea pigs. For respiratory sensitization: No relevant information found.
Information for components:	<u>Diiodomethyl-p-tolylsulfone</u> Has demonstrated the potential for contact allergy in mice. For respiratory sensitization: No relevant data found.
Specific target organ toxicity-single exposure	Evaluation of available data suggests that this material is not an STOT-SE toxicant.
Information for components:	<u>Diiodomethyl-p-tolylsulfone</u> Evaluation of available data suggests that this material is not an STOT-SE toxicant.
Aspiration Hazard	Based on physical properties, not likely to be an aspiration hazard.
Information for components:	<u>Diiodomethyl-p-tolylsulfone</u> Based on physical properties, not likely to be an aspiration hazard.
Chronic toxicity (represents longer term exposures with repeated dose resulting in chronic/delayed effects - no immediate effects known unless otherwise noted)	
Specific Target Organ Toxicity – Repeated Exposure:	Based on available data for the component(s), repeated exposures are not anticipated to cause significant adverse effects.
Information for components:	<u>Diiodomethyl-p-tolylsulfone</u> In animals, effects have been reported on the following organs after ingestion: Gastrointestinal tract. Salivary glands. Thyroid. Liver.
Carcinogenicity	No relevant data found
Information for components:	<u>Diiodomethyl-p-tolylsulfone</u> Animal testing and human experience demonstrate no significant risk of human cancer from exposure to relatively pure amorphous silica.
Teratogenicity	Contains component(s) which did not cause birth defects or any other fetal effects in lab animals.
Information for components:	<u>Diiodomethyl-p-tolylsulfone</u>

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Reproductive toxicity	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.
Information for components:	<u>Diiodomethyl-p-tolylsulfone</u>
Mutagenicity	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.
Information for components:	<u>Diiodomethyl-p-tolylsulfone</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

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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.

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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

Revision Date: 5/18/2021

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.

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