




ASI Butyl

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 Butyl
Recommended Use:	Adhesive/Sealant
Restrictions on Use:	None known

Section 2: Hazard(s) Identification	
Classification in accordance with 29 CFR 1910.1200.	
Flammable Liquids, Category 3	
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.
GHS Label Elements	
Symbol(s):	
Signal Word:	WARNING
Hazard Statement(s):	Flammable liquid and vapor.
Precautionary Statement(s)	
Prevention:	Keep away from heat, sparks, open flame, and hot surfaces – No smoking. Keep container closed tightly. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/clothing and eye/face protection.

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Response:	In case of fire: Use appropriate media for extinction. IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower.
Storage:	Store in a well-ventilated place. Keep cool.
Disposal:	Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 3: Composition/Information on Ingredients

<u>CAS</u>	<u>Component</u>	<u>Percent</u>
1317-65-3	Calcium Carbonate	40-45
64742-48-9	Naphtha, petroleum, hydrotreated heavy	30-40
14807-96-6	Talc	1-5
13463-67-7	Titanium dioxide	0.1-1
1333-86-4	Carbon black	<0.1

Section 4: First-Aid Measures

Inhalation:	IF INHALED: If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin Contact:	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Remove contaminated clothing, jewelry, and shoes immediately. Wash contaminated clothing before reuse.
Eye Contact:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion:	If a large amount is swallowed, get immediate medical attention.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:	Use carbon dioxide, regular dry chemical, regular foam or water.
Unsuitable Extinguishing Media:	None known.
Specific Hazards Arising from the Chemical	
Hazardous Decomposition Products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons, and mineral spirits.
Special Protective Equipment and Precautions for Firefighters:	Flammable liquid and vapor.

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Special Protective Actions for Firefighters:	Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products. Move material from fire area if it can be done without risk. Cool containers with water. Avoid inhalation of vapors or combustion by-products. Use extinguishing agents appropriate for surrounding fire. Dike for later disposal. Stay upwind and keep out of low areas.
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Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Wear personal protective clothing and equipment, see Section 8. Keep unnecessary people away, isolate hazard area and deny entry. Only personnel trained for the hazards of this material should perform clean up and disposal.
Methods and Materials for Containment and Cleaning Up:	Eliminate all ignition sources if safe to do so. Ventilate the area. Stop leak if possible without personal risk. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Avoid release to the environment.

Section 7: Handling and Storage

Precautions for Safe Handling Protective Measures:	Always wear recommended personal protective clothing and equipment, see Section 8. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks and flame. Take precautionary measures against static discharge. Do not breathe vapor or mist. Avoid contact with skin and eyes.
Advice on General Occupational Hygiene:	Do not eat, drink, or smoke when using this product. Wash thoroughly after handling.
Conditions for Safe Storage, including any Incompatibilities:	Store and handle in accordance with all current regulations and standards. Store in a well-ventilated area. Keep container tightly closed. Keep cool. Keep separated from incompatible substances.
Incompatibilities:	Strong oxidizing materials

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Section 8: Exposure Controls/Personal Protection		
Component Exposure Limits		
CAS	Component	Exposure Limits
1317-65-3	Calcium Carbonate	OSHA: 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
		NIOSH: 10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)
		Mexico 10 mg/m ³ TWA LMPE-PPT 20 mg/m ³ STEL [LMPE-CT]
14807-96-6	Talc	ACGIH: 2 mg/m ³ TWA (particulate matter containing no Asbestos and <1% crystalline silica, respirable fraction)
		NIOSH: 2 mg/m ³ TWA (containing no Asbestos and <1% Quartz, respirable dust)
		Mexico 2 mg/m ³ TWA LMPE-PPT (respirable fraction)
13463-67-7	Titanium dioxide	ACGIH: 10 mg/m ³ TWA
		OSHA: 15 mg/m ³ TWA (total dust)
		Mexico 10 mg/m ³ TWA LMPE-PPT (as Ti) 20 mg/m ³ STEL [LMPE-CT] (as Ti)
1333-86-4	Carbon black	ACGIH: 3 mg/m ³ TWA (inhalable fraction)
		OSHA: 3.5 mg/m ³ TWA
		NIOSH: 3.5 mg/m ³ TWA; 0.1 mg/m ³ TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)
		Mexico 3.5 mg/m ³ TWA LMPE-PPT 7 mg/m ³ STEL [LMPE-CT]
Appropriate Engineering Controls:	Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.	
Individual Protection Measures		
Eye/Face Protection:	Wear splash resistant safety goggles with a faceshield. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.	
Skin Protection:	Wear appropriate chemical resistant clothing.	
Glove Recommendations:	Wear appropriate chemical resistant gloves.	
Respiratory Protection:	Use an approved respirator if exposure limits are exceeded or if irritation develops or persists.	

Section 9: Physical and Chemical Properties	
Physical State: Liquid	Appearance: Paste
Color: Not available	Physical Form: Paste
Odor: Petroleum odor	Odor Threshold: Not available
pH: Not available	Melting Point: Not available
Boiling Point: 155-217 °C (Naphtha, petroleum, hydrotreated heavy)	Decomposition: Not available
Flash Point: >200 °F	Evaporation Rate: Not available
OSHA Flammability Class: Not available	Vapor Pressure: Greater than air

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<p>Vapor Density (air = 1): Not available</p> <p>Specific Gravity (water = 1): Not available</p> <p>Log KOW: Not available</p> <p>KOC: Not available</p> <p>Viscosity: Varies</p> <p>Volatility: Not available</p>	<p>Density: 1.26 (approximate)</p> <p>Water Solubility: Negligible</p> <p>Coeff. Water/Oil Dist: Not available</p> <p>Auto Ignition: Not available</p> <p>VOC: 202 g/L</p> <p>Molecular Formula: Not available</p>
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Section 10: Stability and Reactivity	
Reactivity:	No reactivity hazard is expected.
Chemical Stability:	Stable at normal temperatures and pressure.
Possibility of Hazardous Reactions:	Will not polymerize.
Conditions to Avoid:	Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.
Incompatible Materials:	Strong oxidizing materials
Hazardous Decomposition Products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Section 11: Toxicological Information				
<p><u>Acute Toxicity</u></p> <p>Component Analysis – LD50/LC50</p> <p>The components of this material have been reviewed in various sources and the following selected endpoints are published.</p>				
CAS	Component	Result	Species	Dose
64742-48-9	Naphtha, petroleum, hydrotreated heavy	LD50 Dermal	Rabbit	>3160 mg/kg
		LD50 Oral	Rat	>5000 mg/kg
13463-67-7	Titanium dioxide	LD50 Oral	Rat	>10000 mg/kg
1333-86-4	Carbon black	LD50 Oral	Rat	>15400 mg/kg
<p>Information on Likely Routes of Exposure</p> <p>Inhalation: May cause irritation and central nervous system effects including nausea, headache, dizziness, fatigue, drowsiness or unconsciousness.</p> <p>Ingestion: Ingestion may cause irritation of the esophagus and gastrointestinal tract.</p> <p>Skin Contact: May cause irritation of the skin. May cause irritation, redness, itching and burning.</p> <p>Eye Contact: May cause irritation of the eyes. Contact may cause tearing, redness, a stinging or burning feeling, swelling, and blurred vision.</p>				

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Immediate Effects:	Respiratory tract irritation, skin irritation, central nervous system effects	
Delayed Effects:	No information is available.	
Medical Conditions Aggravated by Exposure:	Skin disorders, Eye disorders	
Irritation/Corrosivity Data:	May cause respiratory tract irritation, skin irritation, and eye irritation.	
Respiratory Sensitization:	No information available for the product.	
Dermal Sensitization:	No information available for the product.	
Germ Cell Mutagenicity:	No information available for the product.	
Carcinogenicity:	Results of a DuPont epidemiology study showed that employees who had been exposed to titanium dioxide pigments were at no greater risk of developing lung cancer than were employees who had not been exposed to titanium dioxide pigments. No pulmonary fibrosis was found in any of the employees and no associations were observed between titanium dioxide pigment exposure and chronic respiratory disease or lung abnormalities. Based on the results of this study, DuPont concluded that titanium dioxide pigment will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.	
Component Carcinogenicity		
CAS	Component	Result
14807-96-6	Talc	ACGIH: A4 - Not Classifiable as a Human Carcinogen (containing no asbestos fibers)
		IARC: Monograph 93 [2010] (inhaled); Supplement 7 [1987]; Monograph 47 [1987] (Group 3 (not classifiable))
		DFG: Category 3B (could be carcinogenic for man, free of asbestos fibers)
13463-67-7	Titanium dioxide	ACGIH: A4 - Not Classifiable as a Human Carcinogen
		IARC: Monograph 93 [2010]; Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))
		DFG: Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra small particles)
		OSHA: Present
1333-86-4	Carbon Black	ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
		IARC: Monograph 93 [2010]; Monograph 65 [1996] (Group 2B (possibly carcinogenic to humans))
		DFG: Category 3B (could be carcinogenic for man, inhalable fraction)
		OSHA: Present
Reproductive Toxicity:	No information available for the product.	
Specific Target Organ Toxicity – Single Exposure:	No target organs identified.	

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Specific Target Organ Toxicity – Repeated Exposure: No target organs identified.

Aspiration Hazard: No information available for the product.

Section 12: Ecological Information

Ecotoxicity

No information available for the product.

Component Analysis – Aquatic Toxicity

CAS	Component	Aquatic	Result	Species	Dose	Exposure
64742-48-9	Naphtha, petroleum, hydrotreated heavy	Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	2200 mg/L	96 hr
14807-96-6	Talc	Fish	LC50	Zebrafish (<i>Brachydanio rerio</i>)	>100 mg/L [semi-static]	96 hr

Persistence and Degradability: No information available for the product.

Bioaccumulative Potential: No information available for the product.

Mobility in Soil: No information available for the product.

Biodegradation: No information available for the product.

Section 13: Disposal Considerations

Disposal Methods: Dispose in accordance with all applicable federal, state/regional and local laws and regulations. Subject to disposal regulations: U.S. EPA 40 CFR 262. Hazardous Waste Number(s): D001.

Disposal of Contaminated Packaging: Dispose of properly. Recycle if possible.

Component Waste Numbers: The U.S. EPA has not published waste numbers for this product's components.

Section 14: Transport Information

US DOT Information

Shipping Name: Hydrocarbons, liquid, n.o.s.

UN/NA #: UN3295

Hazard Class: 3

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Packing Group:	III
Required Label(s):	3
Additional Info.:	Land Transportation: Combustible Liquid For non-bulk shipments containing less than 119 gallons (450 liters) and transported by motor vehicle or rail within the United States, this product would be classified as non-regulated.
TDG Information	
Shipping Name:	Hydrocarbons, liquid, n.o.s.
UN #:	UN3295
Hazard Class:	3
Packing Group:	III
Required Label(s):	3

Section 15: Regulatory Information										
US Federal Regulations										
None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 311/312 (40 CFR 370.21), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.										
SARA 311/312 Hazardous Categories										
Acute Health: No Chronic Health: Yes Fire: No Pressure: No Reactive: No										
US State Regulations										
CAS	Component	CA	MA	MN	NJ	PA				
1317-65-3	Calcium Carbonate	No	Yes	Yes	Yes	Yes				
14807-96-6	Talc	Yes	Yes	Yes	Yes	Yes				
13463-67-7	Titanium dioxide	No	Yes	Yes	Yes	Yes				
1333-86-4	Carbon black	Yes	Yes	Yes	Yes	Yes				
California Proposition 65: WARNING! This product contains a chemical known to the state of California to cause cancer.										
Component Analysis – International Inventories										
Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
Calcium Carbonate	1317-65-3	Yes	NSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Naphtha, petroleum, hydrotreated heavy	64742-48-9	Yes	DSL	EIN	Yes	Yes	No	Yes	Yes	Yes
Talc	14807-96-6	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Titanium dioxide	13463-67-7	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes
Carbon black	1333-86-4	Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	Yes

Section 16: Other Information	
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NFPA Ratings:

Health: 1
Fire: 2
Reactivity: 0



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

Key/Legend:

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

Disclaimer:

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

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