
MATERIAL SAFETY DATA SHEET

PRODUCT: ASI Butyl

Supplier's Name: American Sealants, Inc. Telephone : (260) 489-0728
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Section 1. Product Name

Product: ASI Butyl Rubber
Product Class: Elastomeric Sealant

Section 2. Composition / Exposure Controls

Hazardous Components	OSHA PEL	ACGIHTLV	%	CAS NO.
Calcium Carbonate	15 mg/m ³	10 mg/m ³	< 50	1317-65-3
Mineral Spirits	100 ppm	100 ppm	< 30	8052-41-3
Talc	5 mg/m ³	2 mg/m ³	< 10	14807-96-6
Carbon Black	3.5mg/m ³	3.5mg/m ³	< 10	1333-86-4
Titanium Dioxide	15 mg/m ³	10 mg/m ³	< 10	13463-67-7

(See Section 8 of this MSDS for Exposure Guideline)

Section 3. Hazards Identification

Hazards Classification: None (based on IMO)
Potential Health Effect: Acute: Moderate irritant
Chronic: May be harmful to fetus, kidney, liver or brain tissue
Inhalation: If drowsy or headache, seek fresh air. Administer oxygen if necessary.
Skin Contact: Wash exposed areas with soap & Water.
Eye Contact: Flush eyes with water until irritation is removed
Ingestion: Do not induce vomiting. Call local poison control.

Section 4. First Aid Measures

Signs & Symptoms of Exposure: May cause drowsiness, irritation to eyes & skin, nausea, headache and Respiratory irritation

Medical Conditions Generally:

Aggravated by Exposure: Pre-existing respiratory, skin conditions or ailments. Intentional misuse by deliberately concentrating & Inhaling vapors can be harmful or fatal.

Carcinogen/Possible Carcinogen: NTP-No IARC-No OSHA-No

Emergency/First Air Procedures: Get medical attention immediately. If vomiting occurs, keep victim's head below their hips to avoid getting vomitus into their lungs.

Section 5. Fire Fighting Measures

Flash Point: 104 F (Mineral Spirits)
Flammable Limits (%V in air): LEL Lower 0.7 UEL upper 6.0
Auto Ignition Temperature: Not determined
Extinguisher Media: ABC dry chemical
Special Fire Fighting Procedures: Water may be required as a cooling medium.
Wear protective equipment

Section 6. Accidental Release Measures

Steps to be Taken in Case Material

Is Released or Spilled:

Clean up with floor absorbent and tools. Wash spilled area with soap & water. Do not allow product to enter streams, lakes or other waterways.

Waste Disposal Method:

Dispose after drying according to local, state and federal regulations.

Section 7. Handling and Storage

Precaution to be taken in handling and storing:

Handling & Storage: Store in cool dry place. Do not store near flame or other ignition sources.

Other Precautions: Do not puncture containers. Keep out of reach of children.

Section 8. Personal Protection

Respiratory Protection: If TLV is exceeded use organic canisters and filter for vapors & dusts

Ventilation Required:

Protective Gloves: Rubber Resistant to Mineral spirits

Eye Protection: Protective eye ware.

Other Protective Clothing: Wear coveralls to protect skin

Work/Hygienic Practices: Use with adequate ventilation

Section 9. Physical and Chemical Properties

Boiling Range: Not determined

Specific Gravity (H₂O=1): 1.28

Vapor Pressure (mm Hg): 3.4

Vapor Density (Air=1): Heavier than air

Solubility in Water: Negligible

Reactivity in Water: Negligible

Appearance & Odor: Heavy paste with petroleum Odor

Melting Point: Not determined (over 300F)

Section 10. Stability and Reactivity

Stability:

Stable, avoid temperatures greater than 120 F.

Incompatibility:

Avoid contact with strong acids, caustic materials and oxidizers

Hazardous Decomposition Products:

Those normally associated with burning organics

Hazardous Polymerization:

Will not occur

Section 11. Toxicological Information

For Titanium Dioxide

Trochimowicz, *et al.*, *J. Appl. Tox.*, **8**, 383-385 (1988).

Oral LD ₅₀ (rat)	>25 g/kg
Dermal LD ₅₀ (rabbit)	>10 g/kg
Inhalation LC ₅₀ (rat)	>6.82 mg/l (4 hr)

E.I. DuPont's Haskel Toxicology Laboratory conducted lifetime inhalation studies of respirable titanium dioxide at levels up to 250 mg/m³; no compound related clinical signs of toxicity were seen in the exposed animals. Slight pulmonary fibrosis was seen at 50 to 250 mg/m³ respirable titanium dioxide but not at 10 mg/m³. There was no evidence of cancer in animals exposed to 10 or 50 mg/m³ respirable titanium dioxide. Microscopic lung tumors were seen in 17 percent of the rats exposed to 250 mg/m³ respirable titanium dioxide. The lung tumors observed in the rats were different from common human lung cancers, relative to anatomic type and location, and occurred only at dust levels which overwhelmed the animals lung clearance mechanism and therefore, are of questionable biological relevance for man.

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.

The National Cancer Institute (NCI) conducted a feed study in rats and mice in which either 25,000 or 50,000 parts per million titanium dioxide was given in their diet for two years. Under the condition of the NCI test, titanium dioxide did not cause cancer by the oral route.

Titanium dioxide has been classified by the American Congress of Governmental Industrial Hygienists (ACGIH) as an A4 Carcinogen - *Not Classifiable as a Human Carcinogen*. ("1999 TLVs and BEIs," p. 67). It has been classified by the International Agency for Research on Cancer (IARC) as Group 3 - *Not Classifiable as to Its Carcinogenicity to Humans*. (IARC Monograph 47, 1989).

For Product: None for Product

For Carbon Black: IARC – Group 2B (Possibly carcinogenic to humans)

Section 12. Ecological Information

Biodegradation: Not applicable

Bioaccumulation: No information is available
Aquatic Toxicity: No information is available
Other Information: None

Section 13. Disposal Consideration

Can be land-filled for cured product or burned in a chemical incinerator equipped with an afterburners and scrubber
Do not dispose the emptied container unlawfully.

STATE REGULATIONS

California Proposition 65..... Crystalline Silica
Florida Hazardous Substance List..... Mineral Spirits
Massachusetts Right to Know List..... Mineral Spirits, Carbon Black, Titanium Dioxide
Minnesota Hazardous Substance List..... Mineral Spirits, Carbon Black, Titanium Dioxide
New Jersey Right to Know List..... Mineral Spirits (SN 1736), Carbon Black (SN 0342), Titanium Dioxide (SN 1861)
Pennsylvania Right to Know List..... Mineral Spirits, Carbon Black, Titanium Dioxide
Rhode Island Hazardous Substance List..... Mineral Spirits, Carbon Black, Titanium Dioxide

Observe all federal, state, and local laws.

Section 14. Transportation Information

UN No.: None
IMO Classification and Class: None
Packaging Group: None
Proper Shipping Name: None
Technical Shipping Name: None
Marine Pollutant: None

DOT Reportable Quantity (RQ):

Hazard Substance(s) Name:/ (CAS No.) Contents and RQ: Not applicable

Section 15. Regulatory Information

Toxic Substances Control Act (TSCA) Status: Listed on the TSCA inventory

European Inventory Of Existing Commercial Chemical Substances (EINECS) Status:

Listed on the EINECS

Labeling According To EC-Regulations Required:

Symbol: Not required

R-Phrase: Not required

S-Phrase: Not required

Contains: None

Superfund Amendments and reauthorization to of 1986 (SARA) Title III Section 313 Supplier Notification:

This regulation required submission of annual reports of toxic chemical(s) that appear in section 313 of the emergency planning and community Right-To-Know Act of 1986 and 40 CFR 372. This information must be included in all MSDS's that are the toxic chemical(s) contained in this product are:

Chemical Name(CAS No.) And Contents: None

Section 16. Other Information

For Industrial Use Only

This material safety data sheet is offered solely for your information, consideration and investigation. The data described in this MSDS consist of data on literature, our acquisitional data and analogical inference by data of similar chemical substance or product. American Sealants, Inc. provides no warranties, wither express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.