

## 1. Product and Company Identification

**Material name** BUTYL WHITE 124010  
**Revision date** 05-23-2014  
**Version #** 01  
**CAS #** Mixture  
**Product use** Butyl caulking.  
**Manufacturer/Supplier** ADCO Products  
 4401 Page Ave, P.O. Box 457  
 Michigan Center, MI 49254  
 US  
 General Information: 517-764-0334  
**Emergency** 24-Hour Emergency: Chemtrec 1-800-424-9300

## 2. Hazards Identification

**Physical state** Liquid.  
**Appearance** Paste.  
**Emergency overview** WARNING  
  
 Combustible solid.  
 Causes skin and eye irritation. In high concentrations, vapors may be irritating to the respiratory system.  
**OSHA regulatory status** This product is hazardous according to OSHA 29 CFR 1910.1200.  
**Potential health effects**  
**Eyes** Causes eye irritation.  
**Skin** Causes skin irritation.  
**Inhalation** In high concentrations, vapors may be irritating to the respiratory system.  
**Ingestion** No harmful effects expected in amounts likely to be ingested by accident.  
**Target organs** Eyes. Skin. Lung.  
**Potential environmental effects** Not expected to be harmful to aquatic organisms.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Limestone	1317-65-3	40-50
Stoddard solvent	8052-41-3	15-25
Kaolin	1332-58-7	1-5
Titanium dioxide	13463-67-7	1-5
Quartz	14808-60-7	<1

**Composition comments** Any pigments or fillers in this product which may be considered "Hazardous" are potentially hazardous only if inhaled as an air-borne dust. Exposure by these ingredients as used in sealants, putties, bedding compounds and other non-sprayable products is highly unlikely. All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First Aid Measures

**First aid procedures**  
**Eye contact** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.  
**Skin contact** Wash off with soap and plenty of water. Get medical attention promptly if symptoms occur after washing.  
**Inhalation** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Ingestion Seek medical advice.

## 5. Fire Fighting Measures

**Flammable properties** Combustible solid.

### Extinguishing media

**Suitable extinguishing media** Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Fire fighting equipment/instructions** Self-contained breathing apparatus operated in positive pressure mode and full protective clothing must be worn in case of fire.

**Specific methods** Use water spray to cool unopened containers.

**Hazardous combustion products** Carbon oxides. Silicon oxides. Nitrogen oxides.

## 6. Accidental Release Measures

**Personal precautions** Wear appropriate personal protective equipment (See Section 8).

**Methods for cleaning up** Eliminate all ignition sources. Sweep or scoop up and remove.

## 7. Handling and Storage

**Handling** Keep away from heat, sparks and open flame. Wear appropriate personal protective equipment (See Section 8).

**Storage** Keep away from heat, sparks, and flame. Keep container tightly closed in a cool, well-ventilated place.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Kaolin (1332-58-7)	TWA	2 mg/m <sup>3</sup>	Respirable fraction.
Stoddard solvent (8052-41-3)	TWA	100 ppm	
Titanium dioxide (13463-67-7)	TWA	10 mg/m <sup>3</sup>	

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Kaolin (1332-58-7)	PEL	15 mg/m <sup>3</sup>	Total dust.
		5 mg/m <sup>3</sup>	Respirable fraction.
Limestone (1317-65-3)	PEL	15 mg/m <sup>3</sup>	Total dust.
		5 mg/m <sup>3</sup>	Respirable fraction.
Stoddard solvent (8052-41-3)	PEL	2900 mg/m <sup>3</sup>	
		500 ppm	
Titanium dioxide (13463-67-7)	PEL	15 mg/m <sup>3</sup>	Total dust.

#### Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value	Form
Kaolin (1332-58-7)	TWA	2 mg/m <sup>3</sup>	Respirable.
Limestone (1317-65-3)	TWA	10 mg/m <sup>3</sup>	
		100 ppm	
Titanium dioxide (13463-67-7)	TWA	572 mg/m <sup>3</sup>	
		10 mg/m <sup>3</sup>	

#### Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value	Form
Kaolin (1332-58-7)	TWA	2 mg/m <sup>3</sup>	Respirable.
Limestone (1317-65-3)	TWA	10 mg/m <sup>3</sup>	Total dust.
	STEL	20 mg/m <sup>3</sup>	Total dust.
	TWA	3 mg/m <sup>3</sup>	Respirable fraction.

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Components	Type	Value	Form
Stoddard solvent (8052-41-3)	TWA	290 mg/m3	
Titanium dioxide (13463-67-7)	STEL	580 mg/m3	
	TWA	10 mg/m3	Total dust.
		3 mg/m3	Respirable fraction.

**Canada. Ontario OELs. (Ministry of Labor - Control of Exposure to Biological or Chemical Agents)**

Components	Type	Value	Form
Kaolin (1332-58-7)	TWA	2 mg/m3	Respirable.
Stoddard solvent (8052-41-3)	TWA	525 mg/m3	
Titanium dioxide (13463-67-7)	TWA	10 mg/m3	Total dust.

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

Components	Type	Value	Form
Kaolin (1332-58-7)	TWA	5 mg/m3	Respirable dust.
Limestone (1317-65-3)	TWA	10 mg/m3	Total dust.
Stoddard solvent (8052-41-3)	TWA	100 ppm	
Titanium dioxide (13463-67-7)		525 mg/m3	
	TWA	10 mg/m3	Total dust.

**Mexico. Occupational Exposure Limit Values**

Components	Type	Value
Kaolin (1332-58-7)	TWA	10 mg/m3
	STEL	20 mg/m3
Limestone (1317-65-3)	TWA	10 mg/m3
	STEL	20 mg/m3
Stoddard solvent (8052-41-3)	TWA	100 ppm
	STEL	1050 mg/m3
Titanium dioxide (13463-67-7)		200 ppm
	TWA	523 mg/m3
	TWA	10 mg/m3
	STEL	20 mg/m3

**Engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye / face protection**

Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.

**Skin protection**

Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.

**Respiratory protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. Respirator type: Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister.

**General hygiene considerations**

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**9. Physical & Chemical Properties**

**Appearance**

Paste.

**Color**

Various.

**Odor**

Hydrocarbon-like.

**Odor threshold**

Not available.

**Physical state**

Liquid.

<b>Form</b>	Paste.
<b>pH</b>	Not available.
<b>Melting point</b>	Not available.
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	352 °F (177.8 °C)
<b>Flash point</b>	106 °F (41.1 °C)
<b>Evaporation rate</b>	< 0.12 (n-butyl acetate = 1)
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	5 mm Hg (26°C)
<b>Vapor density</b>	5
<b>Specific gravity</b>	1.32
<b>Solubility (water)</b>	0.5 %
<b>Partition coefficient (n-octanol/water)</b>	No data available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	2.07 lb/gal
<b>Percent volatile</b>	10 - 20

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Keep away from heat, sparks, and flame.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

<b>Acute effects</b>	Causes skin and eye irritation. In high concentrations, vapors may be irritating to the respiratory system.
<b>Sensitization</b>	No sensitizing effects known.
<b>Carcinogenicity</b>	Due to the form of the product, exposure to the potentially carcinogenic components is not expected.

### ACGIH Carcinogens

Kaolin (CAS 1332-58-7)	A4 Not classifiable as a human carcinogen.
Quartz (CAS 14808-60-7)	A2 Suspected human carcinogen.
Titanium dioxide (CAS 13463-67-7)	A4 Not classifiable as a human carcinogen.

### IARC Monographs. Overall Evaluation of Carcinogenicity

Quartz (CAS 14808-60-7)	1 Carcinogenic to humans.
Stoddard solvent (CAS 8052-41-3)	3 Not classifiable as to carcinogenicity to humans.
Titanium dioxide (CAS 13463-67-7)	2B Possibly carcinogenic to humans.

### US NTP Report on Carcinogens: Known carcinogen

Quartz (CAS 14808-60-7)	Known carcinogen.
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## 12. Ecological Information

<b>Ecotoxicity</b>	Not expected to be harmful to aquatic organisms.
<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation / Accumulation</b>	No data available.

<b>Partition coefficient (n-octanol/water)</b>	No data available.
<b>Mobility in environmental media</b>	No data available.

### 13. Disposal Considerations

<b>Waste codes</b>	D001: Waste Flammable material with a flash point <140 °F
<b>Disposal instructions</b>	Dispose of contents/container in accordance with local/regional/national/international regulations. When this product as supplied is to be discarded as waste, it does not meet the definition of a RCRA waste under 40 CFR 261.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transport Information

#### DOT

##### Basic shipping requirements:

<b>UN number</b>	UN1133
<b>Proper shipping name</b>	Adhesives
<b>Hazard class</b>	Combustible Liquid
<b>Packing group</b>	III
<b>Labels required</b>	3

##### Additional information:

<b>Special provisions</b>	B1, B52, IB3, T2, TP1
<b>Packaging exceptions</b>	150
<b>Packaging non bulk</b>	173
<b>Packaging bulk</b>	242

#### IATA

##### Basic shipping requirements:

<b>UN number</b>	1133
<b>Proper shipping name</b>	Adhesives containing flammable liquid
<b>Hazard class</b>	3
<b>Packing group</b>	III

##### Additional information:

<b>ERG code</b>	3L
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#### IMDG

##### Basic shipping requirements:

<b>UN number</b>	1133
<b>Proper shipping name</b>	ADHESIVES containing flammable liquid
<b>Hazard class</b>	3
<b>Packing group</b>	III
<b>EmS No.</b>	F-E, S-D

#### TDG

##### Basic shipping requirements:

<b>Proper shipping name</b>	ADHESIVES containing flammable liquid
<b>Hazard class</b>	3
<b>UN number</b>	UN1133
<b>Packing group</b>	III

### 15. Regulatory Information

**US federal regulations** This product is hazardous according to OSHA 29 CFR 1910.1200.

#### TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
 Delayed Hazard - No  
 Fire Hazard - Yes  
 Pressure Hazard - No  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance (40 CFR 355, Appendix A)** No

**Section 311/312 (40 CFR 370)** Yes

**Drug Enforcement Administration (DEA) (21 CFR 1308.11-15)** Not controlled

**Canadian regulations** This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**WHMIS status** Controlled

**WHMIS classification** B3 - Flammable/Combustible  
 D2B - Other Toxic Effects-TOXIC

**WHMIS labeling****Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations** WARNING: This product contains chemicals known to the State of California to cause cancer.

**US - California Hazardous Substances (Director's): Listed substance**

Stoddard solvent (CAS 8052-41-3) Listed.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

Isoprene (CAS 78-79-5) Listed.

Quartz (CAS 14808-60-7) Listed.

**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

Isoprene (CAS 78-79-5) Listed: May 1, 1996 Carcinogenic.

Quartz (CAS 14808-60-7) Listed: October 1, 1988 Carcinogenic.

**US - Massachusetts RTK - Substance: Listed substance**

Kaolin (CAS 1332-58-7) Listed.

Limestone (CAS 1317-65-3) Listed.

Quartz (CAS 14808-60-7) Listed.

Stoddard solvent (CAS 8052-41-3) Listed.

Titanium dioxide (CAS 13463-67-7) Listed.

**US - New Jersey RTK - Substances: Listed substance**

Kaolin (CAS 1332-58-7) Listed.

Limestone (CAS 1317-65-3) Listed.

Quartz (CAS 14808-60-7)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.
Titanium dioxide (CAS 13463-67-7)	Listed.

**US - Pennsylvania RTK - Hazardous Substances: Listed substance**

Kaolin (CAS 1332-58-7)	Listed.
Limestone (CAS 1317-65-3)	Listed.
Quartz (CAS 14808-60-7)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.
Titanium dioxide (CAS 13463-67-7)	Listed.

## 16. Other Information

**Further information**

HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**

Health: 2  
Flammability: 2  
Physical hazard: 0

**NFPA ratings**

Health: 2  
Flammability: 2  
Instability: 0

**Disclaimer**

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**Issue date**

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