

1. Product and Company Identification

Material name BUTYL BLACK 124950
Revision date 11-17-2014
Version # 03
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
Calcium carbonate	471-34-1	30-60
Stoddard solvent	8052-41-3	10-30
Magnesium carbonate	546-93-0	3-7
Silicon dioxide	7631-86-9	3-7
Calcium oxide	1305-78-8	0.5-1.5
Kaolin	1332-58-7	0.5-1.5
Carbon black	1333-86-4	0.1-1

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 (CO2).
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. Move container from fire area if it can be done without risk.
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
Calcium oxide (1305-78-8)	TWA	2 mg/m3	
Kaolin (1332-58-7)	TWA	2 mg/m3	Respirable fraction.
Silicon dioxide (7631-86-9)	TWA	3 mg/m3	Respirable particles.
		10 mg/m3	Inhalable particles.
Stoddard solvent (8052-41-3)	TWA	100 ppm	

U.S. - OSHA

Components	Type	Value	Form
Silicon dioxide (7631-86-9)	TWA	6 mg/m3	Unspecified.
		20 mppcf	Unspecified.

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

Components	Type	Value	Form
Calcium carbonate (471-34-1)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Calcium oxide (1305-78-8)	PEL	5 mg/m3	
Kaolin (1332-58-7)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Magnesium carbonate (546-93-0)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Silicon dioxide (7631-86-9)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
Stoddard solvent (8052-41-3)	PEL	2900 mg/m3	
		500 ppm	

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Silicon dioxide (7631-86-9)	TWA	5 mg/m3	Respirable fraction.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
		15 mg/m3	Total dust.
Canada - Alberta			
Components	Type	Value	Form
Silicon dioxide (7631-86-9)	TWA	10 mg/m3	Unspecified.
Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)			
Components	Type	Value	Form
Calcium carbonate (471-34-1)	TWA	10 mg/m3	
Calcium oxide (1305-78-8)	TWA	2 mg/m3	
Kaolin (1332-58-7)	TWA	2 mg/m3	Respirable.
Silicon dioxide (7631-86-9)	TWA	3 mg/m3	Respirable particles.
		10 mg/m3	Total particulate.
Stoddard solvent (8052-41-3)	TWA	572 mg/m3	
		100 ppm	
Canada - British Columbia			
Components	Type	Value	Form
Silicon dioxide (7631-86-9)	TWA	4 mg/m3	Total.
Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)			
Components	Type	Value	Form
Calcium carbonate (471-34-1)	STEL	20 mg/m3	Total dust.
	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.
Calcium oxide (1305-78-8)	TWA	2 mg/m3	
Kaolin (1332-58-7)	TWA	2 mg/m3	Respirable.
Silicon dioxide (7631-86-9)	TWA	1.5 mg/m3	Respirable.
Stoddard solvent (8052-41-3)	STEL	580 mg/m3	
	TWA	290 mg/m3	
Canada - Ontario			
Components	Type	Value	Form
Silicon dioxide (7631-86-9)	TWA	10 mg/m3	Unspecified.
Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)			
Components	Type	Value	Form
Calcium oxide (1305-78-8)	TWA	2 mg/m3	
Kaolin (1332-58-7)	TWA	2 mg/m3	Respirable fraction.
Magnesium carbonate (546-93-0)	TWA	10 mg/m3	Total dust.
Stoddard solvent (8052-41-3)	TWA	100 ppm	
Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)			
Components	Type	Value	Form
Calcium carbonate (471-34-1)	TWA	10 mg/m3	Total dust.
Calcium oxide (1305-78-8)	TWA	2 mg/m3	
Kaolin (1332-58-7)	TWA	5 mg/m3	Respirable dust.
Magnesium carbonate (546-93-0)	TWA	10 mg/m3	Total dust.
Silicon dioxide (7631-86-9)	TWA	6 mg/m3	Respirable dust.
Stoddard solvent (8052-41-3)	TWA	525 mg/m3	
		100 ppm	
Mexico			
Components	Type	Value	Form
Silicon dioxide (7631-86-9)	TWA	10 mg/m3	Unspecified.

Mexico. Occupational Exposure Limit Values

Components	Type	Value
Calcium carbonate (471-34-1)	STEL	20 mg/m ³
Calcium oxide (1305-78-8) Kaolin (1332-58-7)	TWA	10 mg/m ³
	TWA	2 mg/m ³
	STEL	20 mg/m ³
Magnesium carbonate (546-93-0)	TWA	10 mg/m ³
	STEL	20 mg/m ³
Stoddard solvent (8052-41-3)	TWA	10 mg/m ³
	STEL	1050 mg/m ³
	TWA	200 ppm 523 mg/m ³ 100 ppm

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.
Form	Paste.
pH	Not available.
Melting point	Not available.
Freezing point	Not available.
Boiling point	352 °F (177.8 °C)
Flash point	106 °F (41.1 °C)
Evaporation rate	< 0.12 (n-butyl acetate = 1)
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	5 mm Hg (26°C)
Vapor density	5
Specific gravity	1.32
Solubility (water)	0.5 %
Partition coefficient (n-octanol/water)	No data available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
VOC	250 g/l

Percent volatile 10 - 20

10. Chemical Stability & Reactivity Information

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

11. Toxicological Information

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

ACGIH Carcinogens

Carbon black (CAS 1333-86-4) A3 Confirmed animal carcinogen with unknown relevance to humans.
Kaolin (CAS 1332-58-7) A4 Not classifiable as a human carcinogen.

IARC Monographs. Overall Evaluation of Carcinogenicity

Carbon black (CAS 1333-86-4) 2B Possibly carcinogenic to humans.
Silicon dioxide (CAS 7631-86-9) 3 Not classifiable as to carcinogenicity to humans.
Stoddard solvent (CAS 8052-41-3) 3 Not classifiable as to carcinogenicity to humans.

12. Ecological Information

Ecotoxicity Not expected to be harmful to aquatic organisms.
Persistence and degradability No data available.
Bioaccumulation / Accumulation No data available.
Partition coefficient (n-octanol/water) No data available.
Mobility in environmental media No data available.

13. Disposal Considerations

Waste codes D001: Waste Flammable material with a flash point <140 °F
Disposal instructions 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.
Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport Information

DOT

Not regulated as dangerous goods.

IATA

Basic shipping requirements:

UN number 1133
Proper shipping name Adhesives
Hazard class 3
Packing group III
Additional information:
ERG code 3L

IMDG

Basic shipping requirements:

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

TDG

Basic shipping requirements:

Proper shipping name ADHESIVES containing flammable liquid
Hazard class 3
UN number UN1133
Packing group III
Additional information:
Special provisions 83

General This material is regulated only in bulk (> 119 Gallons/450 L) sizes. Non-bulk (<=119 Gallons/450 L) shipments can be reclassified to "not regulated" for ground transportation.

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)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No

Country(s) or region	Inventory name	On inventory (yes/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

Calcium oxide (CAS 1305-78-8)	Listed.
Carbon black (CAS 1333-86-4)	Listed.
Silicon dioxide (CAS 7631-86-9)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.

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

Carbon black (CAS 1333-86-4)	Listed.
Isoprene (CAS 78-79-5)	Listed.
Quartz (CAS 14808-60-7)	Listed.

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

Carbon black (CAS 1333-86-4)	Listed: February 21, 2003 Carcinogenic.
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

Calcium carbonate (CAS 471-34-1)	Listed.
Calcium oxide (CAS 1305-78-8)	Listed.
Carbon black (CAS 1333-86-4)	Listed.
Kaolin (CAS 1332-58-7)	Listed.
Magnesium carbonate (CAS 546-93-0)	Listed.
Silicon dioxide (CAS 7631-86-9)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.

US - New Jersey RTK - Substances: Listed substance

Calcium carbonate (CAS 471-34-1)	Listed.
Calcium oxide (CAS 1305-78-8)	Listed.
Carbon black (CAS 1333-86-4)	Listed.
Kaolin (CAS 1332-58-7)	Listed.
Magnesium carbonate (CAS 546-93-0)	Listed.
Silicon dioxide (CAS 7631-86-9)	Listed.
Stoddard solvent (CAS 8052-41-3)	Listed.

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Calcium carbonate (CAS 471-34-1)	Listed.
Calcium oxide (CAS 1305-78-8)	Listed.
Carbon black (CAS 1333-86-4)	Listed.
Kaolin (CAS 1332-58-7)	Listed.
Silicon dioxide (CAS 7631-86-9)	Listed.
Stoddard solvent (CAS 8052-41-3)	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: 1

NFPA ratings

Health: 2
Flammability: 2
Instability: 1

Disclaimer

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

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