



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** FS-3050-A Butyl sealant  
**Version #** 01  
**Issue date** 02-20-2013  
**Revision date** -  
**Supersedes date** -  
**CAS #** Mixture  
**Product use** Industrial use.  
**Manufacturer information**  
**Manufacturer/Supplier:** Unisorb Installation Technologies  
4117 Felters Road, Michigan Center, MI 49254  
  
**General Information:** 517-764-6060  
**Emergency:** CHEM•TEL 800-255-3924  
**International:** 813-248-0585

## 2. Hazards Identification

**Physical state** Solid.  
**Appearance** Black paste.  
**Emergency overview** Low hazard for usual industrial or commercial handling by trained personnel.  
**OSHA regulatory status** This product is not hazardous according to OSHA 29CFR 1910.1200.  
**Potential health effects**  
**Eyes** Direct contact with eyes may cause temporary irritation.  
**Skin** No adverse effects due to skin contact are expected.  
**Inhalation** Under normal conditions of intended use, this material is not expected to be an inhalation hazard.  
**Ingestion** No harmful effects expected in amounts likely to be ingested by accident.  
**Potential environmental effects** Not expected to be harmful to aquatic organisms.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	10-30
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	10-30
Residues (petroleum), vacuum	64741-56-6	10-30
Hydrous aluminum silicate	1332-58-7	10-15
Calcium oxide	1305-78-8	1-5
Quartz	14808-60-7	0.1 - 1
Titanium dioxide	13463-67-7	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.

<b>Skin contact</b>	Wash off with soap and plenty of water. Get medical attention promptly if symptoms occur after washing.
<b>Inhalation</b>	If symptomatic, move to fresh air. Get medical attention if symptoms persist.
<b>Ingestion</b>	Seek medical advice.

## 5. Fire Fighting Measures

<b>Flammable properties</b>	No unusual fire or explosion hazards noted.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
<b>Fire fighting equipment/instructions</b>	Self-contained breathing apparatus operated in positive pressure mode and full protective clothing must be worn in case of fire.
<b>Specific methods</b>	Move container from fire area if it can be done without risk.
<b>Hazardous combustion products</b>	Carbon oxides. Silicon oxides. Nitrogen oxides.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Wear appropriate personal protective equipment (See Section 8).
<b>Methods for cleaning up</b>	Sweep or scoop up and remove.

## 7. Handling and Storage

<b>Handling</b>	Observe good industrial hygiene practices.
<b>Storage</b>	Keep container closed.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Inhalable fraction.
Hydrous aluminum silicate (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
Residues (petroleum), vacuum (CAS 64741-56-6)	TWA	0.5 mg/m3	Inhalable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

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

Components	Type	Value	Form
Calcium oxide (CAS 1305-78-8)	PEL	5 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	PEL	5 mg/m3	Mist.
		2000 mg/m3 500 ppm	
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	PEL	5 mg/m3	Mist.
		2000 mg/m3 500 ppm	
Hydrous aluminum silicate (CAS 1332-58-7)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.

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

Components	Type	Value	Form
Titanium dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.

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

Components	Type	Value	Form
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Hydrous aluminum silicate (CAS 1332-58-7)	TWA	2 mg/m3	Respirable.
Residues (petroleum), vacuum (CAS 64741-56-6)	TWA	5 mg/m3	Fume.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

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

Components	Type	Value	Form
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m3	
Hydrous aluminum silicate (CAS 1332-58-7)	TWA	2 mg/m3	Respirable.
Residues (petroleum), vacuum (CAS 64741-56-6)	TWA	0.5 mg/m3	Aerosol, inhalable.
Titanium dioxide (CAS 13463-67-7)	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.

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

Components	Type	Value	Form
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m3	
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	STEL	10 mg/m3	Mist.
Hydrous aluminum silicate (CAS 1332-58-7)	TWA	2 mg/m3	Respirable fraction.
Residues (petroleum), vacuum (CAS 64741-56-6)	TWA	0.5 mg/m3	Inhalable fraction.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	

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

Components	Type	Value	Form
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

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

Components	Type	Value	Form
Hydrous aluminum silicate (CAS 1332-58-7)	TWA	5 mg/m3	Respirable dust.
Residues (petroleum), vacuum (CAS 64741-56-6)	TWA	5 mg/m3	Fume.
Titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	Total dust.

**Mexico. Occupational Exposure Limit Values**

Components	Type	Value	Form
Calcium oxide (CAS 1305-78-8)	TWA	2 mg/m3	
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	STEL	10 mg/m3	Mist.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	TWA	5 mg/m3	Mist.
	STEL	10 mg/m3	Mist.
Hydrous aluminum silicate (CAS 1332-58-7)	TWA	5 mg/m3	Mist.
	STEL	20 mg/m3	
Residues (petroleum), vacuum (CAS 64741-56-6)	TWA	10 mg/m3	
	STEL	10 mg/m3	Fume.
Titanium dioxide (CAS 13463-67-7)	TWA	5 mg/m3	Fume.
	STEL	20 mg/m3	
	TWA	10 mg/m3	

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

<b>Eye / face protection</b>	Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.
<b>Skin protection</b>	Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.
<b>Respiratory protection</b>	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.
<b>General hygiene considerations</b>	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**

<b>Appearance</b>	Black paste.
<b>Physical state</b>	Solid.
<b>Form</b>	Paste.
<b>Color</b>	Black.
<b>Odor</b>	Slight oil-like.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Boiling point</b>	Not available.
<b>Melting point/Freezing point</b>	Not available.

<b>Solubility (water)</b>	Insoluble
<b>Specific gravity</b>	1.3
<b>Flash point</b>	375 °F (190.6 °C)
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Percent volatile</b>	> 0.1
<b>Partition coefficient (n-octanol/water)</b>	No data available.

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Conditions to avoid</b>	Avoid temperatures above 130°F (54.44°C).
<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>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

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	A4 Not classifiable as a human carcinogen.
Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6)	A4 Not classifiable as a human carcinogen.
Hydrous aluminum silicate (CAS 1332-58-7)	A4 Not classifiable as a human carcinogen.
Quartz (CAS 14808-60-7)	A2 Suspected human carcinogen.
Residues (petroleum), vacuum (CAS 64741-56-6)	A4 Not classifiable as a 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.
Residues (petroleum), vacuum (CAS 64741-56-6)	2B Possibly carcinogenic 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 To Be Human 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</b>	No data available.
<b>Mobility in environmental media</b>	No data available.

## 13. Disposal Considerations

<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

Not regulated as a hazardous material by DOT.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

### TDG

Not regulated as dangerous goods.

## 15. Regulatory Information

**US federal regulations** This product is not hazardous according to OSHA 29CFR 1910.1200.

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

Not regulated.

### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

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

None

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

**Hazard categories**  
Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard - No  
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

**WHMIS status**  
Non-controlled

### 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)	Yes
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	Yes

\*A "Yes" indicates this product complies 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.  
Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Listed.

Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6) Listed.

Residues (petroleum), vacuum (CAS 64741-56-6) Listed.

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

Quartz (CAS 14808-60-7) Listed.

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

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

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

Titanium dioxide (CAS 13463-67-7) Listed: September 2, 2011 Carcinogenic.

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

Calcium oxide (CAS 1305-78-8) Listed.

Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6) Listed.

Hydrous aluminum silicate (CAS 1332-58-7) Listed.

Quartz (CAS 14808-60-7) Listed.

Residues (petroleum), vacuum (CAS 64741-56-6) Listed.

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

**US. Massachusetts RTK - Substance List**

Calcium oxide (CAS 1305-78-8) Listed.

Distillates (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5) Listed.

Distillates (petroleum), hydrotreated light naphthenic (CAS 64742-53-6) Listed.

Hydrous aluminum silicate (CAS 1332-58-7) Listed.

Quartz (CAS 14808-60-7) Listed.

Residues (petroleum), vacuum (CAS 64741-56-6) Listed.

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

**US. New Jersey Worker and Community Right-to-Know Act**

Not regulated.

**US. Pennsylvania RTK - Hazardous Substances**

Calcium oxide (CAS 1305-78-8) Listed.

Hydrous aluminum silicate (CAS 1332-58-7) Listed.

Quartz (CAS 14808-60-7) 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: 1

Flammability: 1

Physical hazard: 1

**NFPA ratings**

Health: 1

Flammability: 1

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.