



BNZ Materials, Inc.

# Material Safety Data Sheet

## Cement Fiber Seal, High Temp. B

### Section 1 Product and Company Identification

<b>Trade Name</b>	<b>Cement Fiber Seal, High Temp. B</b>	<b>MSDS No.</b>	BNZ 70-102
<b>Product</b>	Water repellent coating	<b>Revision No.</b>	01
<b>Manufacturer</b>	BNZ Materials, Inc.	<b>Issue Date</b>	July 15, 2009
<b>Address</b>	6901 S. Pierce St, Suite 260 Littleton, Colorado 80128 U.S.A.	<b>Technical Support</b>	800-688-8677
		<b>CHEMTREC</b>	800-424-9300
		<i>Outside the US Call</i>	703-741-5500

### Section 2 Composition / Information on Ingredients

Chemical Name	CAS No.	Weight (%)	TLV (ACGIH)	PEL (OSHA)
Aliphatic petroleum hydrocarbons	8052-41-3	50	100 ppm	100 ppm
Non-hazardous repellent additive	Proprietary	50	None	None

Note: (1) TLV and PEL values are 8-hour time-weighted averages for respirable dust, unless otherwise specified. (2) The TLV values are for particulate matter containing no asbestos and <1% crystalline silica. (3) \* = Total Dust.

### Section 3 Hazards Identification

#### EMERGENCY OVERVIEW

CAUTION: COMBUSTIBLE LIQUID. This product is an aliphatic petroleum hydrocarbon, and presents a minimal health risk. Wash hands and exposed skin with soap and warm water, after each exposure. Exposure to vapors should be minimized through the use of proper work practices and adequate ventilation considered hazardous under normal conditions of use.

<b>NFPA Rating</b>	<b>Health</b> 1	<b>Fire</b> 2	<b>Reactivity</b> 0	<b>Special Hazard</b> 0
<b>HMIS Rating</b>	<b>Health</b> 1	<b>Fire</b> 2	<b>Reactivity</b> 0	<b>PPE Code</b> E
<b>Hazard Category</b>	Acute (Immediate) Health Hazard			

**Routes of Entry** Lungs and respiratory system via respirable vapors and mist (inhalation), and eye via splashes.

**Target Organs** Lungs, respiratory system, and eyes.

#### Signs and Symptoms of Overexposure

**Inhalation** Overexposure to mist and vapors can cause transitory upper respiratory irritation, including sore throat and coughing.

**Skin Contact** Essentially non-irritating to the skin.

**Eye Contact** Product vapors and mist may be irritating to the eyes.

**Section 3 Hazards Identification**

<b>Ingestion</b>	May cause mild irritation to the gastro-intestinal (GI) tract and mouth if excessive quantities are ingested.
<b>Medical Conditions Aggravated by Exposure</b>	Medical conditions which may be aggravated by exposure to this product include, pre-existing chronic upper respiratory and lung diseases such as bronchitis, emphysema and asthma.
<b>Carcinogenicity</b>	The ingredients in this product are not considered carcinogenic.

**Section 4 First Aid Measures**

<b>Inhalation</b>	Remove to fresh air. Treat symptomatically, if required. No adverse effects are anticipated by this route of exposure, incidental to proper handling. If coughing and irritation develop seek medical attention.
<b>Eye Contact</b>	Flush with large amounts of water until irritation subsides, at least 15 minutes. Seek medical attention if irritation persists.
<b>Skin Contact</b>	Perform normal, good hygiene practices. Wash with mild soap and warm water immediately after each exposure.
<b>Ingestion</b>	Ingestion of large quantities may cause irritation to the gastro-intestinal (GI) tract and mouth. Drink 2 (two) glasses of water and induce vomiting. Seek immediate medical attention.

**Section 5 Fire Fighting Measures**

**NFPA Classification** Not classified by the National Fire Protection Agency (NFPA).

**Flammable Properties and Explosive Limits**

<b>Flash Point</b>	115° deg. F (46.1° deg. C) (TCC)
<b>Autoignition</b>	> 450° deg. F (230° deg. C)
<b>UFL / UEL</b>	Approx. 6.0 = Upper Explosive Limit
<b>LFL / LEL</b>	Approx. 0.9 = Lower Explosive Limit

**Extinguishing Media** Dry chemical, carbon dioxide (CO<sub>2</sub>), water fog, or foam.

**Fire and Explosion Hazard** Moderate explosion hazard when exposed to flam. Will readily burn.

**Special Firefighting Equipment** Use extinguishing media appropriate for the surrounding fire. Firefighters should wear protective clothing and use a self-contained breathing apparatus (SCBA).

**Hazardous Products of Combustion** Product will emit oxides of carbon and silicone during combustion.

**Section 6 Accidental Release Measures**

**Personal Precautions** If misty conditions exist, wear a NIOSH-approved mask, such as the 3M 8271 N-95 or equivalent to protect against organic vapors.

**Section 6 Accidental Release Measures**

<b>Environmental Precautions</b>	The water repellent nature of this product increases its longevity in the eco-system. Use care when handling this product. Dike spills with an absorbent boom to prevent material from entering waterways, lakes and streams.
<b>Clean-Up Procedures</b>	Thoroughly clean the affected area avoiding sewers and drains. Absorb remaining material with sand or sawdust and place in an approved hazardous waste container. Dispose of in accordance with <i>Section 13</i> of this MSDS.

**Section 7 Handling and Storage**

<b>Handling Precautions</b>	Assure proper respiratory protection if vapor potential exceeds the established TLV / PEL. Otherwise, no special handling precautions are necessary.
<b>Storage Requirements</b>	Store in a cool, dry area away from food and beverages. Keep away from reactive materials and always separate materials by hazard class.

**Section 8 Exposure Controls and Personal Protection**

<b>Engineering Controls</b>	Maintain sufficient mechanical or natural ventilation to assure vapor concentrations remain below the established TLV/PEL.
<b>Respiratory Protection</b>	Wear a NIOSH-approved vapor respiratory (i.e., 3M 8271 N-95 or equivalent) to limit exposure to product vapors. Respiratory selection should be based on the level of exposure as measured by vapor sampling.



<b>Eye Protection</b>	Wear safety glasses with side shields, goggles or face-shield when to protect eyes from mists and splashes. Selection and use of eye protection should comply with ANSI Z87.1-1-1989 and applicable OSHA standards.
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<b>Skin Protection</b>	Under normal conditions, solvent resistant protective gloves and a clean body covering are sufficient. Direct skin contact can be further minimized by wearing long-sleeved shirts and long trousers.
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**Section 9 Physical and Chemical Properties**

<b>Physical Form</b>	Liquid	<b>Odor</b>	Slight petroleum odor
<b>Color</b>	White	<b>Odor Threshold</b>	1 ppm
<b>Specific Gravity</b>	Approx. 0.85	<b>pH</b>	Neutral
<b>Boiling Point</b>	< 220° F (104° C)	<b>Vapor Density</b>	4.73 (Air = 1)
<b>Melting Point</b>	N/A	<b>Vapor Pressure</b>	2 mm Hg @ 20° deg C.
<b>Evaporation Rate</b>	ca. 0.08 (N-BuAc = 1)	<b>% Volatile by Vol. / Wt.</b>	75% b/v
<b>Solubility in Water</b>	Insoluble	<b>Viscosity</b>	0.74 – 1.65

**Section 10 Stability and Reactivity**

<b>Stability</b>	This product is stable under normal conditions of use.
<b>Conditions to Avoid</b>	Avoid contact with strong oxidizers. Contact with powerful oxidizing agents (i.e., fluorine, chlorine trifluoride) may present a fire hazard.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Products of Decomposition</b>	Product will emit carbon monoxide (CO) and carbon dioxide (CO <sub>2</sub> ) fumes during decomposition.

**Section 11 Toxicological Information**

<b>Toxicological Hazards</b>	No toxicological studies of this product have been performed. For other health-related information refer to the <i>Hazards Identification</i> in <i>Section 3</i> of this MSDS.
<b>Teratogenic Effects</b>	No additional information is available.
<b>Mutagenic Effects</b>	No additional information is available.

**Section 12 Ecological Information**

<b>Ecotoxicity</b>	The water repellent nature of this product increases its longevity in the ecosystem. Use care when handling this product.
<b>BOD5 / COD</b>	No additional information is available.
<b>Products of Biodegradation</b>	No additional information is available.

**Section 13 Disposal Considerations**

<b>Disposal Method</b>	May be disposed in an approved landfill in accordance with local, state and federal regulations. If this product has become contaminated in service, place in an approved hazardous waste container. Seal and properly label the container, and send to a Transportation, Storage and Disposal (TSD) facility via an approved waste hauler.
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**Section 14 Transportation Information****U.S. Department of Transportation (DOT)**

<b>Shipping Name</b>	Combustible liquid, N.O.S. (Stoddard Solvent)		
<b>Hazard Class</b>	Class 3	<b>UN/NA Number</b>	1268
<b>Label / Placard</b>	Combustible, Class 3	<b>Packing Group</b>	III

**International Dangerous Goods Information**

<b>ICAO</b>	Not regulated as a dangerous code according to the International Civil Aviation Organization (ICAO) technical instructions.
<b>IMO / IMDG</b>	Not regulated as a dangerous code according to the International Maritime Organization's (IMO) dangerous goods code.

**Section 14 Transportation Information**

**TDG / TDGA** Not regulated as a dangerous code according to the Canadian Transportation of Dangerous Goods (TDG) Act.

**Special Provisions** This product does not require special transport provisions.

**Section 15 Regulatory Information**

**TSCA Inventory** All ingredients are listed on the Toxic Substances Control Act (TSCA) inventory.

**DSL (Canada)** All ingredients are listed, or exempt from inclusion, on the Canadian Domestic Substances List (DSL).

**CERCLA Reportable Quantity (RQ)** Does not contain any hazardous substances in excess of the CERCLA de minimis reportable quantity.

**Superfund Amendments and Reauthorization Act (SARA) Title III**

**Section 302 / 304** This product contains the following Extremely Hazardous Substances (EHS) as defined and listed under SARA Title III, Sections 302 and 304:

<u>Chemical Name</u>	<u>Sec. 302 TPQ</u>	<u>Section 304 RQ</u>
None		

**Section 311 / 312** This product meets the following EPA Hazard Categories as defined and listed under SARA Title III, Sections 311 and 312:

Acute Hazard	Yes
Chronic Hazard	No
Fire Hazard	Yes
Reactivity Hazard	No
Pressure Hazard	No

**Section 313** This product contains the following substances subject to the reporting requirements of SARA Title III, Section 313:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>Weight (%)</u>
None		

**California Proposition 65** This product does not contain any substances known to the State of California to cause cancer.

**State RTK Lists** Stoddard solvent, (CAS No.: 8052-41-3): MA, MN, NJ, PA, RI

**WHMIS (Canada)** Class B3: Flammable and combustible materials - Combustible liquid



**DSCL (Europe)** R10: Flammable  
R22: Harmful if swallowed  
R36: Irritating to the eyes  
R38: Irritating to the skin

**Section 16 Other Information**

<b>Reason for Issue</b>	WHMIS update and format revision	<b>Issue Date</b>	July 15, 2009
<b>Prepared By</b>	CCG, Inc.	<b>Supersedes Date</b>	All previous.
<b>Revision History</b>	None.		

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