



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** HYDROFIX  
**Version #** 03  
**Revision date** 05-December-2011  
**Chemical description** Silyl terminated polyether  
**CAS #** Mixture  
**Manufacturer information** CETCO  
Building Materials Group  
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Hoffman Estates, IL 60192 United States  
safety.data@amcol.com  
<http://www.cetco.com/>  
General Information (800) 527-9948  
CHEMTREC® (800) 424-9300

## 2. Hazards Identification

### Potential health effects

**Eyes** Liquid or vapors may irritate the eyes. Symptoms include itching, burning, redness and tearing.  
**Skin** May cause sensitization by skin contact.  
**Inhalation** Inhalation of vapors or mists of the product may be irritating to the respiratory system. May cause sensitization by inhalation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.  
**Ingestion** Ingestion may cause irritation to mucous membranes. Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Chronic effects** Danger of serious damage to health by prolonged exposure. Repeated exposure may lead to respiratory sensitization reactions, producing an asthma-like condition. Contains cancerous components.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
ASPHALT	8052-42-4	

## 4. First Aid Measures

### First aid procedures

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.  
**Skin contact** Wash affected area with mild soap and water. Rinse skin with water. Get medical attention if irritation develops or persists.  
**Inhalation** Remove to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.  
**Ingestion** If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Call a physician or Poison Control Center immediately.

## 5. Fire Fighting Measures

**Flammable properties** The product is not flammable.

### Extinguishing media

**Suitable extinguishing media** Dry chemical, CO2, water spray or regular foam.

### Protection of firefighters

**Protective equipment and precautions for firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Fire fighting equipment/instructions**  
**Hazardous combustion products**

Cool containers with flooding quantities of water until well after fire is out. Withdraw immediately in case of rising sound from venting safety devices or any discoloration of tanks due to fire.  
Carbon monoxide, carbon dioxide, various hydrocarbon fragments as well as thick smoke.

## 6. Accidental Release Measures

<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.
<b>Methods for cleaning up</b>	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Use clean non-sparking tools to collect absorbed material.

## 7. Handling and Storage

<b>Handling</b>	Use this product with adequate ventilation. Do not breathe gas/fumes/vapor/spray. Do not get this material in contact with skin or eyes. Wash hands after handling and before eating.  Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment.
<b>Storage</b>	Keep this material away from food, drink and animal feed. Keep away from heat, sparks, and flame. Keep in a dry, cool and well-ventilated place. Keep container closed when not in use.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

**US. ACGIH Threshold Limit Values**  
**Components**

Components	Type	Value	Form
ASPHALT (8052-42-4)	TWA	0.5 mg/m3	Inhalable fraction.

<b>Engineering controls</b>	Ensure adequate ventilation, especially in confined areas. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
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### Personal protective equipment

<b>Eye / face protection</b>	Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain is recommended.
<b>Skin protection</b>	Use of protective coveralls and long sleeves is recommended. Where contact is likely, wear chemical-resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.
<b>Respiratory protection</b>	If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided. A NIOSH- approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.
<b>General hygiene considerations</b>	Use good industrial hygiene practices in handling this material. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Paste.
<b>Physical state</b>	Solid.
<b>Form</b>	Not available.
<b>Color</b>	Black to brown.
<b>Odor</b>	Solvent.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	> 1
<b>Boiling point</b>	700 °F (371.11 °C) estimated

<b>Melting point/Freezing point</b>	Not available.
<b>Solubility (water)</b>	Not available.
<b>Specific gravity</b>	1.2
<b>Relative density</b>	10.8 lb/gal
<b>Flash point</b>	192 °F (88.9 °C) Not flammable
<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>	905 °F (485 °C) estimated
<b>VOC</b>	93 g/l < 40 g/l
<b>Viscosity</b>	500000 cP estimated
<b>Percent volatile</b>	7 %
<b>Other data</b>	
<b>Density</b>	10.8 lb/gal
<b>Flash point class</b>	Combustible IIIA

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable at normal conditions.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	Incompatible with strong acids and bases. Amines. Alcohols. Water.
<b>Hazardous decomposition products</b>	At thermal decomposition temperatures, carbon monoxide and carbon dioxide.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

### Toxicological data

<b>Product</b>	<b>Test Results</b>
HYDROFIX (Mixture)	Acute Inhalation LC50 Rat: 926 mg/l/4h
<b>Sensitization</b>	May cause sensitization by inhalation and skin contact.
<b>Carcinogenicity</b>	
<b>ACGIH Carcinogens</b>	
ASPHALT (CAS 8052-42-4)	A4 Not classifiable as a human carcinogen.
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>	
ASPHALT (CAS 8052-42-4)	2B Possibly carcinogenic to humans. 3 Not classifiable as to carcinogenicity to humans.

## 12. Ecological Information

<b>Ecotoxicity</b>	No data available for this product.
<b>Environmental effects</b>	No data available for this product.
<b>Persistence and degradability</b>	Not available.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations.
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## 14. Transport Information

### DOT

Not regulated as dangerous goods.

**DOT****Packages less than 83 lbs**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**15. Regulatory Information****US federal regulations****Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))**

Not regulated

**DEA Essential Chemical Code Number**

Not regulated

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

Not regulated

**DEA Exempt Chemical Mixtures Code Number**

Not regulated

**CERCLA (Superfund) reportable quantity**

ASPHALT: 100.0000

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

<b>Hazard categories</b>	Immediate Hazard - Yes
	Delayed Hazard - Yes
	Fire Hazard - No
	Pressure Hazard - No
	Reactivity Hazard - No

<b>Section 302 extremely hazardous substance</b>	No
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<b>Section 311 hazardous chemical</b>	No
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**Inventory status**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
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
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 that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations** WARNING: This product contains a chemical known to the State of California to cause cancer.**US - California Proposition 65 - CRT: Listed date/Carcinogenic substance**

ASPHALT (CAS 8052-42-4)	Listed: January 1, 1990 Carcinogenic.
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**US - New Jersey RTK - Substances: Listed substance**

ASPHALT (CAS 8052-42-4)	Listed.
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**US - Pennsylvania RTK - Hazardous Substances: Special hazard**

ASPHALT (CAS 8052-42-4)	Special hazard.
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## 16. Other Information

### Further information

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

### HMIS® ratings

Health: 1  
Flammability: 0  
Physical hazard: 0

### NFPA ratings

Health: 1  
Flammability: 0  
Instability: 0

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

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### Issue date

20-September-2010

### This data sheet contains changes from the previous version in section(s):

Composition / Information on Ingredients: Ingredients  
Physical & Chemical Properties: Multiple Properties  
Regulatory Information: United States