



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** HYDROFIX  
**Version #** 03  
**Issue date** 06-March-2013  
**Revision date** 06-March-2013  
**Chemical description** Silyl terminated polyether  
**CAS #** Mixture  
**Manufacturer information** CETCO  
Building Materials Group  
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United States  
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http://www.cetco.com/

## 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

The components are not hazardous or are below required disclosure limits.

## 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, CO<sub>2</sub>, water spray or regular foam.

### Protection of firefighters

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

<b>Fire fighting equipment/instructions</b>	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.
<b>Explosion data</b>	
<b>Sensitivity to static discharge</b>	Not available.
<b>Sensitivity to mechanical impact</b>	Not available.
<b>Hazardous combustion products</b>	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

<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<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.
<b>Personal protective equipment</b>	
<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.

## 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>	192.00 °F (88.89 °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>	10.80 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

Product	Species	Test Results
HYDROFIX (Mixture)		
<b>Acute</b>		
<i>Inhalation</i>		
LC50	Rat	926 mg/l/4h

**Sensitization** May cause sensitization by inhalation and skin contact.

## 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

**Disposal instructions** Dispose in accordance with all applicable regulations.

## 14. Transport Information

### TDG

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

## 15. Regulatory Information

**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)	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)

## 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

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**Prepared by** EHS Department

**This data sheet contains changes from the previous version in section(s):** Product and Company Identification: Alternate Trade Names  
Composition / Information on Ingredients: Potential Compounds Formed  
Physical & Chemical Properties: Multiple Properties  
Regulatory Information: United States