



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** ENVIROPRIMER WB  
**Version #** 04  
**Issue date** 25-April-2013  
**Revision date** 25-April-2013  
**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

**Emergency overview** Harmful by inhalation. Harmful in contact with eyes. Also harmful if swallowed.

**OSHA regulatory status** This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

**Potential health effects**

**Routes of exposure** Inhalation. Ingestion. Skin contact. Eye contact.

**Eyes** Eye contact may result in corneal injury. Contact may irritate or burn eyes. Do not get this material in contact with eyes. Symptoms include itching, burning, redness and tearing.

**Skin** Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis. Avoid contact with the skin. Prolonged and/or repeated skin contact may result in mild irritation or redness.

**Inhalation** Prolonged inhalation may be harmful. Avoid breathing dust/fume/gas/mist/vapors/spray. Irritating to the nose, throat, and respiratory tract. Inhalation of mists/vapors of this product may cause dizziness, nausea, and respiratory tract congestion.

**Ingestion** Components of the product may be absorbed into the body by ingestion. Do not ingest. Ingestion of this product may result in central nervous system stimulation including muscle twitching, generalized weakness, difficulty breathing and coma.

**Target organs** Central nervous system. Eyes. Respiratory system. Skin. Overexposure causes kidney and liver damage.

**Chronic effects** Conjunctiva. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and blurred vision) and/or damage. Prolonged skin contact may defat the skin and produce dermatitis. Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.

**Signs and symptoms** Corneal damage. Narcosis. Decrease in motor functions. Behavioral changes. Conjunctivitis. Defatting of the skin. Skin irritation. Rash.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
ETHYLENE GLYCOL	107-21-1	2.5 - 10
Other components below reportable levels		90 - 100

## 4. First Aid Measures

### First aid procedures

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Immediately flush eyes with plenty of water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. Get medical attention if irritation develops or persists.

<b>Skin contact</b>	Immediately flush skin with running water for at least 20 minutes. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops or persists. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	Move to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
<b>Ingestion</b>	Call a physician or Poison Control Center immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions. Rinse mouth thoroughly. If swallowed, do NOT induce vomiting.
<b>Notes to physician</b>	Symptoms may be delayed. Show this safety data sheet to the doctor in attendance.
<b>General advice</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. If you feel unwell, seek medical advice (show the label where possible).

## 5. Fire Fighting Measures

<b>Flammable properties</b>	The product is not flammable. No unusual fire or explosion hazards noted.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water Fog. Dry chemical, CO2, water spray or regular foam.
<b>Unsuitable extinguishing media</b>	Water. Do not use water jet as an extinguisher, as this will spread the fire.
<b>Protection of firefighters</b>	
<b>Protective equipment and precautions for firefighters</b>	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>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers with flooding quantities of water until well after fire is out.
<b>Specific methods</b>	In the event of fire and/or explosion do not breathe fumes.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep upwind. Keep out of low areas. Ensure adequate ventilation.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Runoff from fire control or dilution water may cause pollution. Do not contaminate water.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	This product is miscible in water.  Large Spills: Dike far ahead of liquid spill for later disposal. Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. 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. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  Never return spills in original containers for re-use. For waste disposal, see section 13 of the MSDS.

## 7. Handling and Storage

<b>Handling</b>	Do not get this material in your eyes, on your skin, or on your clothing. Avoid prolonged or repeated skin contact with this material. Wash hands after handling and before eating. Do not get this material in contact with eyes. Avoid contact with skin. Avoid prolonged exposure. When using, do not eat, drink or smoke. Handle and open container with care. Remove and wash contaminated clothing before re-use.
<b>Storage</b>	Store in a well-ventilated place. Keep container tightly closed. Keep containers tightly closed in a cool, well-ventilated place. Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children. Use care in handling/storage.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
ETHYLENE GLYCOL (107-21-1)	Ceiling	100 mg/m3	Aerosol.

### Personal protective equipment

<b>Eye / face protection</b>	Do not get in eyes. Chemical goggles are recommended. Eye wash fountain is recommended.
<b>Skin protection</b>	Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves. Chemical resistant gloves. The use of natural rubber gloves is recommended.
<b>Respiratory protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.
<b>General hygiene considerations</b>	When using, do not eat, drink or smoke. Do not get in eyes. Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice. Use protective skin cream before handling the product.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Liquid.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Blue.
<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Vapor pressure</b>	17 mm Hg @ 20C 0.008614686 hPa estimated
<b>Vapor density</b>	< 1 air = 1
<b>Boiling point</b>	214 - 215 °F (101.11 - 101.67 °C) 387.14 °F (197.3 °C) estimated
<b>Melting point/Freezing point</b>	8.6 °F (-13 °C) estimated
<b>Solubility (water)</b>	Miscible
<b>Specific gravity</b>	1
<b>Relative density</b>	Not available.
<b>Flash point</b>	Not available.
<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>VOC</b>	6.999999 % estimated
<b>Percent volatile</b>	60 - 70 % v/v 99.799999 % estimated

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable at normal conditions.
<b>Conditions to avoid</b>	Not available.
<b>Incompatible materials</b>	Acids. Strong oxidizing agents.
<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

Components	Species	Test Results
ETHYLENE GLYCOL (107-21-1)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rabbit	9530 mg/kg
<i>Oral</i>		
LD50	Cat	1650 mg/kg
	Dog	5500 mg/kg
		> 8.81 g/kg
	Guinea pig	8.2 g/kg
	Mouse	14.6 g/kg
	Rat	4000 mg/kg
		5.89 g/kg
<i>Other</i>		
LD50	Mouse	5.8 g/kg
	Rat	2800 mg/kg

\* Estimates for product may be based on additional component data not shown.

<b>Local effects</b>	Components of the product may be absorbed into the body through the skin. Irritating to eyes and skin. Contact may irritate or burn eyes.
<b>Chronic effects</b>	Hazardous by OSHA criteria. Prolonged inhalation may be harmful. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Prolonged exposure may cause chronic effects. Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Due to lack of data the classification is not possible.
<b>ACGIH Carcinogens</b>	
ETHYLENE GLYCOL (CAS 107-21-1)	A4 Not classifiable as a human carcinogen.
<b>Skin corrosion/irritation</b>	Due to lack of data the classification is not possible.
<b>Mutagenicity</b>	Due to lack of data the classification is not possible.
<b>Neurological effects</b>	Hazardous by OSHA criteria.
<b>Reproductive effects</b>	Due to lack of data the classification is not possible.
<b>Further information</b>	Symptoms may be delayed.

## 12. Ecological Information

### Ecotoxicological data

Components	Species	Test Results
ETHYLENE GLYCOL (107-21-1)		
Fish	LC50	Fish 41000 mg/L, 96 Hours
<b>Aquatic</b>		
Fish	LC50	Fathead minnow (Pimephales promelas) 8050 mg/l, 96 hours
<b>Bioaccumulation / Accumulation</b>		
<b>Bioaccumulative potential</b>		
<b>Octanol/water partition coefficient log Kow</b>		
ETHYLENE GLYCOL		-1.36

Material name: ENVIOPRIMER WB

4824 Version #: 04 Revision date: 25-April-2013 Print date: 25-April-2013

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4 / 6

**Partition coefficient**  
ETHYLENE GLYCOL -1.36

**Mobility in environmental media** This product is miscible in water.

### 13. Disposal Considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

**Waste from residues / unused products** Not applicable.

**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 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** OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.  
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
All components are on the U.S. EPA TSCA Inventory List.

#### **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.

#### **US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration**

ETHYLENE GLYCOL (CAS 107-21-1) 1.0 %

#### **US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance**

ETHYLENE GLYCOL (CAS 107-21-1) Listed.

#### **CERCLA (Superfund) reportable quantity**

ETHYLENE GLYCOL: 5000.0000

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

**Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** No

## Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
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)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
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 birth defects or other reproductive harm. California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

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

ETHYLENE GLYCOL (CAS 107-21-1) Listed.

### US - Pennsylvania RTK - Hazardous Substances: Listed substance

ETHYLENE GLYCOL (CAS 107-21-1) Listed.

## 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® is a registered trade and service mark of the NPCA.

### 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.

Third party materials: Insofar as materials not manufactured or supplied by this manufacturer are used in conjunction with, or instead of this product, it is the responsibility of the customer to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of this product in conjunction with materials from another supplier. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information in the sheet was written based on the best knowledge and experience currently available.

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

This document has undergone significant changes and should be reviewed in its entirety.