



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name ENVIROPRIMER WB
Version # 04
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CAS # Mixture
Manufacturer information CETCO
Building Materials Group
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2. Hazards Identification

Emergency overview Harmful by inhalation. Also harmful if swallowed.

Potential health effects

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

Eyes Contact may irritate or burn eyes. Avoid contact with eyes. Symptoms include itching, burning, redness and tearing.

Skin 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 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.

3. Composition / Information on Ingredients

Components	CAS #	Percent
ETHYLENE GLYCOL	107-21-1	5 - 10
Other components below reportable levels		60 - 100

Composition comments None by WHMIS criteria. Not applicable to consumer products.

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.

Skin contact 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.

Inhalation Move to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion Call a physician or Poison Control Center immediately. Never give anything by mouth to a victim who is unconscious or is having convulsions. If swallowed, do NOT induce vomiting.

Notes to physician Show this safety data sheet to the doctor in attendance.

General advice If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties Not flammable by WHMIS criteria.

Extinguishing media

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

Unsuitable extinguishing media Water. Do not use water jet as an extinguisher, as this will spread the fire.

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.

Fire fighting equipment/instructions 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.

Specific methods In the event of fire and/or explosion do not breathe fumes.

Explosion data

Sensitivity to static discharge Not available.

Sensitivity to mechanical impact Not available.

6. Accidental Release Measures

Personal precautions Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

Environmental precautions Runoff from fire control or dilution water may cause pollution. Do not contaminate water.

Methods for containment 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.

Methods for cleaning up 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

Handling 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. Avoid prolonged exposure. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

Storage Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children.

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/m ³	Aerosol.

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

Components	Type	Value
ETHYLENE GLYCOL (107-21-1)	Ceiling	100 mg/m ³

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

Components	Type	Value	Form
ETHYLENE GLYCOL (107-21-1)	Ceiling	100 mg/m3	Aerosol.
		50 ppm	Vapor.
	STEL	20 mg/m3	Particulate.
	TWA	10 mg/m3	Particulate.

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

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

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

Components	Type	Value	Form
ETHYLENE GLYCOL (107-21-1)	Ceiling	127 mg/m3	Vapor and mist.
		50 ppm	Vapor and mist.

Personal protective equipment

Eye / face protection	Chemical goggles are recommended.
Skin protection	Wear appropriate chemical resistant clothing. Wear appropriate chemical resistant gloves. The use of natural rubber gloves is recommended.
Respiratory protection	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.

9. Physical & Chemical Properties

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

10. Chemical Stability & Reactivity Information

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

Hazardous decomposition products At thermal decomposition temperatures, carbon monoxide and carbon dioxide.

Possibility of hazardous reactions Will not occur.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
ETHYLENE GLYCOL (107-21-1)		
Acute		
<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.

Local effects Irritating to eyes and skin.

Chronic effects Prolonged inhalation may be harmful. 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.

Carcinogenicity Due to lack of data the classification is not possible.

ACGIH Carcinogens

ETHYLENE GLYCOL (CAS 107-21-1) A4 Not classifiable as a human carcinogen.

Mutagenicity Due to lack of data the classification is not possible.

Reproductive effects Due to lack of data the classification is not possible.

12. Ecological Information

Ecotoxicological data

Components	Species	Test Results
ETHYLENE GLYCOL (107-21-1)		
Fish	LC50	Fish 41000 mg/L, 96 Hours
Aquatic		
Fish	LC50	Fathead minnow (Pimephales promelas) 8050 mg/l, 96 hours

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

Ecotoxicity No data available for this product.

Environmental effects No data available for this product.

Persistence and degradability Not available.

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. Dispose in accordance with all applicable regulations.

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

14. Transport Information

TDG

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory Information

Canadian regulations This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS status Non-controlled

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)

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

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Prepared by EHS Department

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.