



## Section 1 - Identification

**Product Name:** Ethylene Glycol  
**Alternate Name:** (internal# CPL3082)  
**Recommended Use:** Closed System Treatment  
**Manufacturer:** Chem Pro Laboratory, Inc., 941 W 190th St, Gardena CA 90248, 310-532-8611  
**ChemTrec:** 800-424-9300 (Transportation Spill Response 24 hours)

## Section 2 - Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

### DANGER



**May cause damage to organs through prolonged or repeated exposure**  
**Causes severe skin burns and serious eye damage**

Do not breathe dust/fume/gas/mist/vapors/spray.

Do not breathe dusts or mists.

Wash contacted areas thoroughly after handling.

Wear eye and face protection, and protective gloves and clothing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash skin with plenty of water. Wash contaminated clothing before reuse.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Get medical advice/attention if you feel unwell.

Store locked up.

Dispose of contents/container in accordance with federal, state, and local regulations.

## Section 3 - Composition/information on ingredients

Chemical Name	CAS Number	Percent
ethylene glycol	107-21-1	90-100%

## Section 4 - First-aid measures

### Emergency and First Aid Procedures:

<b>Inhalation</b>	On over-exposure, remove to fresh air; give artificial respiration if not breathing; get medical attention.
<b>Eye Contact</b>	Flush with large quantities of water for at least 15 minutes, lifting upper and lower lids occasionally. Continue flushing while waiting for medical assistance.
<b>Skin Contact</b>	Flush thoroughly with water; wash with soap/water while removing all contaminated clothing and shoes. Get medical attention if irritation persists after flushing with water.



<b>Ingestion</b>	If conscious induce vomiting by giving two glasses of water and sticking a finger down their throat: get medical attention immediately. Do not give anything to an unconscious or convulsive person.
<b>Symptoms of Overexposure:</b>	
<b>Inhalation</b>	Vapors and mists may irritate the nose and throat. Inhalation of higher concentrations may cause headaches, nausea, vomiting and coma.
<b>Contact with Skin or Eyes</b>	Liquid vapor and mist may irritate the eyes.
<b>Absorption Through Skin</b>	None currently known.
<b>Ingestion</b>	Swallowing liquid may cause abdominal pain and discomfort, dizziness, malaise, lumbar pain, oliguria, uremia, central nervous system depression. Swallowing large volumes will cause severe kidney damage. May be fatal

### Section 5 - Fire-fighting measures

<b>Extinguishing Media</b>	water spray, carbon dioxide, dry chemical, or appropriate foam
<b>Fire Fighting Procedure</b>	None
<b>Unusual Fire/Explosion Hazard</b>	May liberate Carbon Monoxide, Carbon Dioxide and unidentified organic compounds.
<b>Hazardous Combustion Products</b>	Substance is noncombustible

### Section 6 - Accidental release measures

<b>Spill Response Procedure</b>	For small spills or drips, mop or wipe up and dispose in accordance with Federal, State and local regulations. For large spills, contain by diking with soil or other non-combustible absorbent material and then pump into DOT-Approved waste containers, keep out of sewers, storm drains, surface waters, and soil.
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### Section 7 - Handling and storage

<b>Handling Precautions</b>	No special handling procedures are required.
<b>Storage Conditions</b>	Store in a cool dry place. Keep container tightly sealed in a dry and ventilated area. Do not store unopened containers in direct sunlight for extended periods.

### Section 8 - Exposure controls/personal protection

<b>Chemical Name</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>
ethylene glycol	not listed	100 mg/m3 aerosol (C)
<b>Ventilation</b>	Local and mechanical (general) exhaust required.	
<b>Respiratory Protection</b>	Not required unless misting is noted. Then use NIOSH approved respirator for organic vapors.	
<b>Protective Gloves</b>	Rubber or impermeable gloves.	
<b>Eye Protection</b>	Safety goggles.	
<b>Other Protective Equipment</b>	Impermeable apron advised.	
<b>Work / Hygienic Practices</b>	Eye wash and safety shower should be nearby and ready for use.	

### Section 9 - Physical and chemical properties

<b>Appearance</b>	Green slightly viscous liquid.	<b>Vapor Pressure @20°C</b>	0.08
<b>Odor</b>	Mild odor	<b>Vapor Density</b>	2.1
<b>Odor Threshold</b>	Not Determined	<b>Specific Gravity</b>	1.1



<b>pH</b>	N/A	<b>Solubility in Water</b>	100%
<b>Melting Point, °F</b>	9 deg F	<b>Partition Coefficient</b>	Not Determined
<b>Boiling Point, °F</b>	387 deg F	<b>Auto Ignition Temp, °F</b>	Non Flamable
<b>Flash Point, °F</b>	>200 deg F	<b>Decomposition Temp, °F</b>	Not Determined
<b>Evaporation Rate</b>	<0.01	<b>Viscosity</b>	Not Determined
<b>Flammability Limits</b>	3.2-15.3%	<b>Percent Volatile</b>	N/A

### Section 10 - Stability and reactivity

<b>Reactivity</b>	not reactive in water
<b>Stability</b>	stable under normal conditions
<b>Conditions to Avoid</b>	Avoid contact with strong oxidizing agents, strong acids and alkalies.
<b>Incompatible Materials</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous Decomposition Products</b>	May liberate carbon monoxide, carbon dioxide and unidentified organic compounds in black smoke.
<b>Hazardous Polymerization</b>	Hazardous polymerization will not occur.

### Section 11 - Toxicological information

<b>Routes of Entry</b>	inhalation, skin or eye contact, ingestion
<b>Acute Exposure Symptoms</b>	None currently known.
<b>Chronic Exposure Effects</b>	Not determined.
<b>Medical Conditions Aggravated By Exposure</b>	Not determined.

#### Acute Toxicity:

<b>Chemical Name</b>	<b>CAS Number</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation LC50</b>
ethylene glycol	107-21-1	4700 mg/kg	10626 mg/kg	no data

#### Carcinogenicity:

Ingredients are on the following lists of suspected or known carcinogens:

<b>Chemical Name</b>	<b>CAS Number:</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA</b>
ethylene glycol	107-21-1	No	No	No

### Section 12 - Ecological information

**Overview:** No data

### Section 13 - Disposal considerations

**Preparing Waste For Disposal** Dispose of in accordance with Federal, State and local laws and regulations.

### Section 14 - Transport information

**DOT Shipping** Not DOT Regulated

### Section 15 - Regulatory information

**California Proposition 65** This product does not contain chemicals listed by California proposition 65.  
**HMIS Ratings** Health: 2, Flammability: 1, Reactivity: 0



**Section 16 - Other information**

**Date Prepared**            5/22/2015  
**Preparer**                 Michael Bortnik

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