

SDS# PRO-TEK EG
Date: November 2015

Total Pages: 5

Pro-Tek EG

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Pro-Tek EG
Catalog Number: EG, EG 50/50, EG 40/60
Manufactured by: DiversiTech Corporation
6650 Sugarloaf Parkway
Duluth, GA, 30097
Information Phone No.: 1+678.542.3600
EMERGENCY Phone No.: 1 800.255.3924 Chem-Tel (Chemical Emergencies)
PREPARED BY: V. Leone

SECTION 2. HAZARDOUS IDENTIFICATION

GHS Classification:

Acute Toxicity Category 4
Specific Target Organ Toxicity- Repeat Exposure Category 2

Label Elements:



Signal Word Warning!

Hazard Statement(s)

H302 Harmful if swallowed.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statement(s)

P102 Keep out of reach of children.
P103 Read label before use.
P260 Do not breathe mist, spray or vapors.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301+312 IF SWALLOWED: Immediately call a doctor or POISON CENTER if you feel unwell.
P314 Get medical attention if you feel unwell.
P330 Rinse mouth.
P501 Dispose of contents and container to an appropriate facility in accordance with Federal, State, and local regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	EINECS No.	% or Range	GHS Classification	
1,2-ethanedioil (Ethylene glycol)	107-21-1	203-473-3	40-95	H302: Harmful if swallowed. H373: May cause damage to organs through prolonged or repeated exposure.	Category 4 Category 2
Sodium nitrite	7632-00-0	231-834-5	0.1 – 1	H272: May intensify fire; oxidizer H301: Toxic if swallowed H400: Very toxic to aquatic life	Category 3 Category 3 Category 1
Sodium tolyltriazole	64665-57-2		0.01 – 0.5	H302: Harmful if swallowed H314: Causes severe skin burns and eye damage H318: Causes severe eye damage. H411: Toxic to aquatic life with long lasting effects	Category 4 Category 1B Category 1 Category 2

*The exact percentage (concentration) of composition has been withheld as a trade secret.

Pro-Tek EG

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Ingestion: Rinse mouth. Call a doctor or POISON CENTER if you feel unwell. Never give anything by mouth to an unconscious person.

Skin Contact: Wash with soap and water.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs: Get medical advice.

Inhalation: If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

4.2. Signs and Symptoms of Exposure:

Inhalation: May cause dizziness and drowsiness.

Ingestion: Harmful if swallowed. Can cause liver and kidney damage if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

Skin Contact: No significant adverse effects are expected under anticipated conditions of normal use. Repeated, prolonged exposure may cause slight flaking, tenderness, and softening of skin.

Eye Contact: May cause minor eye irritation.

Notes to physician: Ethylene glycol (EG) is nephrotoxic. End stages of poisoning may include renal damage or failure with acidosis. Supportive measures, supplemented with hemodialysis if indicated, may limit the progression and severity of toxic effects.

For ethylene glycol poisoning, intravenous ethanol is a recognized antidotal treatment; other antidotal treatments also exist for EG poisoning. Contact a Poison Center for further treatment information.

Aspiration of this product during induced emesis may result in severe lung injury. If evacuation of stomach is necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation. 4-Methylpyrazole (Fomepizole, Antizole) is also a recognized antidote for this product.

Contact a Poison Center for additional treatment information.

SECTION 5. FIREFIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media:

Use carbon dioxide, dry chemical, alcohol type foam, water, spray, water fog to extinguish surrounding fires involving this product.

Special Equipment and Precautions for Fire-Fighters:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode. Cool fire-exposed containers with a water spray. Heat may build up pressure and rupture closed containers. Liquid may form slippery film.

Unusual Fire And Explosion Hazards:

Heat from fire can generate flammable vapor. When mixed with air and exposed to ignition source, vapors can burn in open or explode if confined. Vapors may be heavier than air and travel long distances along the ground before igniting and flaring back. Fine sprays and mists may be combustible at temperatures below normal flash point.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Dike the spill to prevent the spread of liquid using the materials described under Cleanup and Disposal of Spill. Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment and clothing during clean-up.

Methods and Material for Containment and Clean-Up: Prevent flow to sewers and public waters as it may contaminate water. Restrict usage to prevent slip/fall hazard. Soak up small spills inert solids. Dike and recover large land spills. Notify appropriate authorities if product enters any waterways.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling: Product on surfaces can cause slippery conditions. Practice reasonable care and cleanliness. Avoid breathing spray mists if generated. Keep out of reach of children.

Conditions for Safe Storage, Including any Incompatibilities: Store in a cool, dry, ventilated area away from sources of heat, moisture and incompatible materials. Do not store near food, foodstuffs, drugs or potable water supplies. Observe all warnings and precautions listed for the product.

Pro-Tek EG

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits: ACGIH TLV (United States, 1/2007): C: 100 mg/m³ 0 hour(s). Form: Aerosol

OSHA PEL 1989 (United States, 3/1989): CEIL: 125 mg/m³ 0 hour(s); CEIL: 50 ppm 0 hour(s).

Consult local authorities for acceptable exposure limits.

Appropriate Engineering Controls:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

Personal Respirators (NIOSH Approved): Not required for normal use in accordance with label directions.

Skin Protection: Use rubber, neoprene or nitrile gloves to minimize skin contact.

Eye Protection: Safety goggles and face shield. Emergency eyewash should be available. Contact lenses should not be worn when working with this chemical.

Work Hygienic Practices: Use proper industrial hygiene practices to minimize hazardous exposure. Wash hands after handling this material, and before eating, smoking or using the bathroom.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear pink liquid
Odor:	Odorless
Odor Threshold:	None
pH @ 25°C:	9.0-10.5
Melting Point (Pour Point):	<13 °C (-8.6°F)
Boiling Point:	>198°C (388°F)
Flash Point:	111°C, TCC
Evaporation Rate (Water = 1):	None
Flammable Limits:	Not available
LEL:	
UEL:	
Vapor pressure (mm Hg):	<0.013kPa@20°C
Vapor Density (Air = 1):	2.2
Relative Density:	1.04-1.09
Specific gravity (H2O = 1):	1.531
Octanol/Water Partition Coefficient:	-1.36
Solubility in water:	100% water soluble
Autoignition Temperature:	>398°C (748°F)
Decomposition Temperature:	Not available
Viscosity:	~1.87cSt@20°C

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability: Stable under ordinary conditions of use and storage.

Possibility of Hazardous Reactions: Will not occur.

Conditions to Avoid: Heat, sparks, open flame.

Incompatible Materials: strong alkalis, strong oxidizing agents

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and other toxic vapors.

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Skin Contact: No significant adverse effects are expected under anticipated conditions of normal use. Repeated, prolonged exposure may cause slight flaking, tenderness, and softening of skin.

Eye Contact: May cause minor eye irritation.

Carcinogenic effects: Not classified

Teratogenicity/Reproductive toxicity: Contains material that may cause target organ damage, based on animal data. Contains material which can cause birth defects. Avoid exposure during pregnancy.

Mutagenic effects: Not classified

Pro-Tek EG

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Ethylene Glycol: Acute LC50:

Aquatic: 8050 mg/L, Fresh water fish 96 hours

Persistence and Degradability: >60 % Ethylene glycol, readily biodegradable, 28 days.

Bioaccumulative Potential: Log Pow -1.36 Low bioaccumulation potential.

Mobility in Soil: No data available

Other Adverse Effects: None

Other: For more information, see "HANDBOOK OF ENVIRONMENTAL FATE AND EXPOSURE DATA."

SECTION 13. DISPOSAL CONSIDERATIONS

Avoid or minimize generating waste wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any byproducts should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14. TRANSPORTATION INFORMATION

UN Number: Not assigned

UN Proper Shipping Name: None

Transport Hazard Class(s): None

Packing group: None

Environmental Hazards:

ADR/RID Transport Information: Not dangerous for transport under ADR/RID, IMO and IATA/ ICAO regulations.

ADR/RID Class: None Allocated

ADR/RID Packing Group: None Allocated

IMDG Hazard Class: None Allocated

IMDG Packing Group: None Allocated

ADNR Class: None Allocated

ADNR Item: None Allocated

IATA Hazard Class: None Allocated

IATA Packing Group: None Allocated

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable Depending on container size, spills of this product may require reporting under SARA 304 and/or CERCLA 102(A) regulations. Please refer to Sections 2 and 14 of MSDS for composition and component RQ information. ***The transport regulations may change in the different countries. Check for the appropriate regulations in the country of transport or usage of this product.***

SECTION 15. REGULATORY INFORMATION

Federal Regulations:

SARA Title III: Section 302/304

Extremely Hazardous Substances: Listed.

RQ: 5000 pounds

Chemical Name CAS Number 1,2-ethanediol 107-21-1

Section 311 Hazardous Categorization:

CERCLA 102(a)/DOT Hazardous Substances: Acute X Chronic X Fire Pressure Reactive N/A Section 313 Toxic Chemical

Chemical Name	CAS Number	Range in %
1,2-ethanediol (Ethylene glycol)	107-21-1	40-99.99%

TSCA Inventory Status: This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

States Right-to-Know Regulations:

California Prop. 65: Not listed

State list: CT (Connecticut), FL (Florida), IL (Illinois), MI (Michigan), LA (Louisiana), MA (Massachusetts), NJ (New Jersey), PA (Pennsylvania), RI (Rhode Island)

Pro-Tek EG

SECTION 15. REGULATORY INFORMATION (cont.)

INTERNATIONAL REGULATIONS:

WHMIS Classification:

Class D, Div 1, Subdiv B: Toxic Class D, Div 2, Subdiv A: Teratogenic

Canadian Inventory Status: This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

EINECS Inventory Status: This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of notified Chemical Substances (ELINCS).

Australian Inventory Status: This product, or its components, are listed on or are exempt from the Australian Inventory of Chemical Substances (AICS).

Japan Inventory Status: Not determined

SECTION 16. OTHER INFORMATION

Revision Summary: All Sections: New GHS Format

SDS DATE REVISED: 10/09/2015

HMIS III Ratings:

HMIS III®

Health	2
Flamability	1
Physical Hazard	0
Personal Protection	B

This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.