

SDS# PG-100  
Date: October 2015

Total Pages: 5

# ProTek-100™

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** ProTek-100  
**Catalog Number:** PG-100  
**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:

This product contains no GHS classification according to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200.

### Label Elements:

No hazard label warning required for this product based on GHS criteria.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	EINECS No.	% or Range	GHS Classification
Water	7732-18-5	231-791-2	25-30	Not classified
Dipotassium Phosphate	7758-11-4	231-834-5	1-3	H315: Causes skin irritation Category 2 H319: Causes serious eye irritation. Category 2A
Propylene glycol	57-55-6	200-338-0	70-80	Not classified

## SECTION 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

**Ingestion:** Immediately drink 3 or 4 glasses of water. Get medical attention if you feel unwell.

**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.

### 4.2. Signs and Symptoms of Exposure:

**Inhalation:** No significant adverse effects are expected under anticipated conditions of normal use. If effects do occur, refer to FIRST AID section.

**Ingestion:** No significant adverse effects are expected under anticipated conditions of normal use. Excessive ingestion may cause central nervous system 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.

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## SECTION 5. FIREFIGHTING MEASURES

### Suitable and Unsuitable Extinguishing Media:

Carbon dioxide, dry chemical, alcohol type foam, water spray, water fog.

### 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. Use water spray or fog for cooling, solid stream may spread fire as burning liquid will float on water. Avoid frothing/steam explosion.

### 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 flashing 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:** Keep in a tightly closed container. Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes. Protect from physical damage. Keep this and all chemicals out of the reach of children. Wash thoroughly after handling.

**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.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Airborne Exposure Limits:** None

### 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:** Not required for normal use in accordance with label directions.

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

**Eye Protection:** Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material.

**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, slightly viscous, blue liquid

**Odor:** Odorless

**Odor Threshold:** None

**pH @ 25°C:** 8.5-10.5

**Specific gravity (H<sub>2</sub>O = 1):** 1.066

**Solubility in water:** miscible

**Octanol/Water Partition Coefficient:** -1.36

**Autoignition Temperature:** Not available

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES (cont.)

**Melting Point (Pour Point):** <0°C (-32°F)                      **Decomposition Temperature:** Not available  
**Boiling Point:** 185 °C (365 °F)  
**Flash Point:** 99 °C (211 °F)  
**Freeze Point:** -60°F  
**Evaporation Rate (Water = 1):** >1  
**Flammable Limits:**  
LEL: 3.5%  
UEL: 17.5%  
**Vapor pressure (mm Hg): @ 20 °C:** <0.1 mm hg  
**Vapor Density (Air = 1):** 2.6

## 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 and other toxic vapors.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Potential Health Effects:

**Inhalation:** No significant adverse effects are expected under anticipated conditions of normal use. If effects do occur, refer to FIRST AID section.  
**Ingestion:** No significant adverse effects are expected under anticipated conditions of normal use. Excessive ingestion may cause central nervous system 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:** Not classified  
**Mutagenic effects:** In vitro mutagenicity studies were negative. Animal mutagenicity studies were negative.

### Numerical Measures of Toxicity:

**Propylene glycol:** skin-hmn 500 mg/7D MLD  
Eye-rbt 100 mg MLD  
Dni-mus-scu 8000 mg/kg  
Cyt-mus-scu 8000 mg/kg  
lpr-mus TDLo:100 mg/kg (15D preg): TER  
Oral- chd TDLo:79 g/kg/56 W-I: CNS, BRN

## SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Based largely or completely in information for similar material, i.e. propylene glycol. Material is practically non-toxic to aquatic organisms on an acute basis (LC50 greater than 100 mg/L in most sensitive species).

Acute LC50 for fathead minnow (*Pimephales promelas*) is 4600-54900 mg/L.  
Acute LC50 for guppy (*Poecilla reticulata*) is greater than 10000 mg/L.  
Acute LC50 for water flea *Daphne magna* is 4850-34400 mg/L.  
Acute LC50 for rainbow trout (*Oncorhynchus mykiss*) is 44mL/L (about 44000 mg/L).

**Aquatic:** Not available.

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## SECTION 12. ECOLOGICAL INFORMATION (cont.)

**Persistence and Degradability:** Biodegradation under aerobic static laboratory conditions is high (BOD20 or BOD28/ThOD greater than 4 0%). Biodegradation is expected to be achievable in a secondary wastewater treatment plant.

5-Day biochemical oxygen demand (BOD5) is 1.16 p/p.

20-Day biochemical oxygen demand (BOD20) is 1.45 p/p.

Theoretical oxygen demand (ThOD) is calculated to be 1.68 p/p.

Biodegradation may occur under both aerobic and anaerobic conditions (in either the presence or absence of oxygen).

Inhibitory concentration (IC50) in OECD "Activated Sludge, Respiration Inhibition Test" (Guideline #209) is < 1000 mg/L. Degradation is expected in the atmospheric environment within days to weeks.

**Bioaccumulative Potential:** Bioconcentration potential is low (BCF less than 100 or Log Kow less than 3).

**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

Landfill solids at permitted sites using registered transporters. Burn concentrated liquids, avoiding flameouts, and assuring emissions comply with applicable regulations. Diluted aqueous waste may biodegrade, but avoid overloading plant biomass and assure effluent complies with applicable regulations.

## SECTION 14. TRANSPORTATION INFORMATION

**US DOT:** None

**Proper Shipping Name:** Not classified

**Hazard Class:** none

**UN Number:** none

**UN Proper Shipping Name:** none

**Transport Hazard Class(s):** none

**Packing group:** none

**Environmental Hazards:** Not an environmentally Hazardous Substance of a Marine Pollutant 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

## SECTION 15. REGULATORY INFORMATION

### Country Inventory

**Australia AICS** X

**Canada DSL** X

**Canada DSL** no data for mixture

**China IECS** X

**European Union EINECS** X

**European Union ELINCS** no data for mixture

**European Union NLP** no data for mixture

**Japan ENCS** X

**Korea ECL** X

**Philippines PICCS** X

**WHIMS classification for product:** N/A

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## SECTION 15. REGULATORY INFORMATION (cont.)

### Regulatory Status

**SARA 302/304:** Chemicals with provided CAS numbers in this material are not subject to the reporting requirements of CERCLA.

**SARA 311/312:** Based upon available information, this material is not classified as a health and/or physical hazard according to Section 311 & 312.

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels established by SARA Title III, Section 313 and 40 CFR 372.

### Component Reporting Threshold

#### State Reporting:

**California Proposition 65:** This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under at levels which would be subject to the proposition.

**Massachusetts Substances List (MSL) -** Extraordinarily hazardous substances must be identified when present in material at levels greater than the state specified criterion. The criterion is  $\geq 0.0001\%$ . Hazardous Substances (MSL-HS) on the MSL must be identified when present in materials at levels greater than the state specified criterion. The criterion is  $\geq 1\%$ . Components with CAS numbers present in this material, at levels specified in Section 3-composition do not require reporting under the statute.

**State of Pennsylvania:** Hazardous Substances must be identified when present in materials at levels greater than the state specified criterion. The criterion is  $\geq 1\%$ . Components with CAS numbers in this material at a level which could require reporting under the statute are: Propylene Glycol/ CAS#57-55-6. Dipotassium Phosphate/ CAS# 7758-11-4. Special Hazardous Substances listed by the state of Pennsylvania must be identified when present in materials at levels greater than the state specified criterion. The criterion is  $\geq 0.01\%$ . Components with CAS numbers present in this material, at levels specified in Section 3-composition do not require reporting under the statute.

## SECTION 16. OTHER INFORMATION:

**Revision Summary:** All Sections: New GHS Format

**SDS DATE REVISED:** 10/13/2015

### HMIS III Ratings:

HMIS III®

Health	0
Flamability	1
Physical Hazard	0
Personal Protection	B

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