

SDS# PG-100
Date: March 2015

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)
SDS DATE REVISED: 03/27/2015
PREPARED BY: V. Leone

SECTION 2. HAZARDOUS IDENTIFICATION

GHS Classification:

Skin Irritation Category 2
Eye Irritation Category 2A
Carcinogen Category 2
Specific Target Organ Toxicity- Single Exposure Category 3
Specific Target Organ Toxicity- Repeat Exposure Category 2

Label Elements:



Signal Word Warning!

Hazard Statement(s)

H305 May be harmful if swallowed and enters airways
H316 Causes mild skin irritation.
H320 Causes eye irritation.
H315 Causes skin irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.

Precautionary statement(s)

P102 Keep out of reach of children.
P103 Read label before use.
P202 Do not handle until all safety precautions have been read and understood.

P232 Protect from moisture.
P233 Keep container tightly closed.
P235 Keep cool.
P260 Do not breathe mist or spray.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P285 In case of inadequate ventilation wear respiratory protection.

P308 IF exposed or concerned: Consult medical advice or attention.

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SECTION 2. HAZARDOUS INGREDIENTS INFORMATION (cont.)

P308	IF exposed or concerned: Consult medical advice or attention
P309	IF you feel unwell: Consult medical advice or attention
P301	IF SWALLOWED: Immediately drink 3 or 4 glasses of water followed by a large glass of citrus juice. Do not induce vomiting. Call a physician immediately.
P302	IF ON SKIN: Flush affected area with water for 15 minutes or until skin no longer feels slick. If irritation persists, consult a physician.
P304	IF INHALED: Remove person to fresh air. If unconscious or if breathing does not return to normal within a few minutes, contact a physician immediately.
P305	IF IN EYES: Flush eyes with running water for at least 15 minutes while lifting lids periodically. Call a physician without delay.
P402	Store in a dry place.
P403	Store in a well-ventilated place.
P501	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.

HMIS III Ratings: HMIS III®

Health	0
Flamability	1
Physical Hazard	0
Personal Protection	B

SECTION 3. HAZARDOUS INGREDIENTS INFORMATION

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	H316: Causes mild skin irritation. Category 3 H320: Causes eye irri. Category 2B

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion: DO NOT INDUCE VOMITING! Give large quantities of water or milk if available. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact: Wash with soap and water. Rinse with copious amounts of fresh, running water. If irritation persists, get medical attention.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

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.

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SECTION 4. FIRST AID MEASURES (cont.)

4.2. Signs and Symptoms of Exposure: (cont.)

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.

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.



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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (cont.)

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

Melting Point (Pour Point): <0°C (-32°F)

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

Specific gravity (H2O = 1): 1.066

Solubility in water: miscible

Octanol/Water Partition Coefficient: -1.36

Autoignition Temperature: Not available

Decomposition Temperature: Not available

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

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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.

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

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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

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

Regulatory Status

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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

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.