

SDS# Pro-Kleen
Date: October 2015

Total Pages: 6

Pro-Kleen™

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Pro-Kleen
Catalog Number: Pro-Kleen
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 INGREDIENTS INFORMATION

GHS Classification:

Acute Toxicity Oral Category 4
Acute Toxicity Inhalation Category 4
Skin Irritation Category 1B
Eye Irritation Category 1
Specific Target Organ Toxicity - Single Exposure: Respiratory Tract Irritation Category 3

Label Elements:



Signal Word Danger!

Hazard Statement(s)

H302 Harmful if swallowed.
H332 Harmful if inhaled.
H314 Causes severe skin burns.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Precautionary statement(s)

P102 Keep out of reach of children.
P103 Read label before use.
P260 Do not breathe mist or spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink, or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear rubber, neoprene or nitrile gloves and protective clothing, and safety goggle or a face shield to protect eyes and face.

Response

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse SKIN with water or shower.
P363 Wash contaminated clothing before reuse.
P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor.
P403+233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents and container to appropriate facility in accordance with Federal, State, and local regulations.

European waste catalogue 20 01 29 Detergents containing dangerous substances.

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SECTION 3. HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS No.	EINECS No.	% or Range	GHS Classification	
Water	7732-18-5	231-791-2	60-80	Not classified	
Hydrochloric acid	7647-01-0	231-595-7	15-20	H314: Skin Corrosion H318: Eye Damage H335: May cause resp. irritation	Category 1B Category 1 Category 3
Phosphoric acid	7664-38-2	015-011-00-6	2-4	H314: Skin Corrosion H318: Eye Damage	Category 1B Category 1
Acid red dye 388	37299-86-8		<0.1	Not classified	

SECTION 4. FIRST AID MEASURES

4.1. Description of first aid measures

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

Ingestion: Rinse mouth. DO NOT INDUCE VOMITING! Never give anything by mouth to an unconscious person. Call the nearest poison control center or the National Poison Control Hotline at 1-800-222-1222 (U.S.A.) or 1-800-255-3924 (ChemTel) and get medical attention immediately.

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

4.2. Signs and Symptoms of Exposure:

Inhalation: Effects from inhalation of mist and spray may cause serious damage of the upper respiratory tract, depending on severity of exposure. Symptoms may vary from mild to severe irritation, sneezing, sore throat or runny nose. Severe pneumonitis may occur.

Ingestion: Symptoms may include burns of mouth, throat, and stomach bleeding, vomiting, diarrhea, fall in blood pressure.

Skin Contact: Contact with skin can cause redness, irritation or severe burns and scarring with greater exposures.

Eye Contact: Contact with mist, spray or liquid causes redness, severe irritation or burning in eyes. Prolonged exposures can cause burns that may result in permanent impairment of vision, even blindness.

Chronic Exposure: Prolonged contact with dilute solutions or mists has a destructive effect upon tissue.

SECTION 5. FIREFIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media:

Use any means suitable for extinguishing surrounding fire. This product is not a fire hazard. It can react with certain metals, such as aluminum, to generate flammable hydrogen gas.

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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Ventilate area of leak or 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: : Neutralize with sodium bicarbonate, soda ash, or lime. Pick up neutralized solution with a plastic pump or vacuum truck and store the neutralized solution in a leak-proof polyethylene container until product can be disposed of in a hazardous waste facility. Flush area twice with water to remove any remaining residues. Store wash solution in polyethylene containers for disposal. Do not use aluminum tools to collect absorbed material or aluminum containers to store collected wastes. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

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SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling: Keep in a tightly closed container. Protect from physical damage. Keep this and all chemicals out of the reach of children. Avoid contact with eyes and skin. Avoid inhalation of vapors and mists. 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. Store locked up. Protect from freezing. Containers of this material may be hazardous when empty since they retain product residues. Do not store with aluminum or magnesium. Do not mix with acids or organic materials. Observe all warnings and precautions listed for the product.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne Exposure Limits:

OSHA Permissible Exposure Limit (PEL):

Phosphoric acid mist in air: 1 mg/m³

Hydrochloric acid fumes in air: 5ppm

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: If the exposure limit is exceeded and engineering controls are not feasible, a half face piece particulate respirator (NIOSH type N95 or better filters) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece particulate respirator (NIOSH type N100 filters) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency, or respirator supplier, whichever is lowest. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear rubber, neoprene, nitrile, Saranex® boots, gloves, lab coat, apron or coveralls, as necessary and appropriate, to prevent skin contact.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities or a source of running water in the work area.

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 Red liquid

Odor: mild astringent

Odor Threshold: Not established

pH @ 25°C: <1

Melting Point (Pour Point): <32°F

Boiling Point: >212°F

Flash Point: Not established

Evaporation Rate (Water = 1): >1

Flammable Limits: Not available

LEL: N/A

UEL: N/A

Vapor pressure (mm Hg): Same as water

Vapor Density (Air = 1): Same as water

Specific gravity (H₂O = 1): 1.095

Solubility in water: Water miscible

Octanol/Water Partition Coefficient: Not available

Autoignition Temperature: Not available

Decomposition Temperature: Not available

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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, incompatibles.
Incompatible Materials: Metal containers, strong oxidizers, strong alkalis
Hazardous Decomposition Products: Hydrogen gas, SO as a byproduct.

SECTION 11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Inhalation: Effects from inhalation of mist and spray may cause serious damage of the upper respiratory tract, depending on severity of exposure. Symptoms may vary from mild to severe irritation, sneezing, sore throat or runny nose. Severe pneumonitis may occur.
Ingestion: Symptoms may include burns of mouth, throat, and stomach bleeding, vomiting, diarrhea, fall in blood pressure.
Skin Contact: Contact with skin can cause redness, irritation or severe burns and scarring with greater exposures.
Eye Contact: Contact with mist, spray or liquid causes redness, severe irritation or burning in eyes. Prolonged exposures can cause burns that may result in permanent impairment of vision, even blindness.
Chronic Exposure: Prolonged contact with dilute solutions or mists has a destructive effect upon tissue.
Carcinogenic effects: Not classified
Teratogenicity/Reproductive toxicity: Not classified
Mutagenic effects: Not classified
Numerical Measures of Toxicity:

Phosphoric acid:

ORAL(LD50):Acute:1530 mg/kg [Rat].
DERMAL (LD50): Acute: 2740 mg/kg [Rabbit].
DUST (LC50): Acute: >850 mg/m³ 1 hours [Rat].

Hydrochloric acid:

Oral-Rabbit (LD50) 900 mg kg⁻¹
Inhalation-Rat (LC50) 3124 ppm/1h.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Phosphoric acid: LC 50, 96 Hrs, FISH mg/l >500
Phosphoric acid: EC 50, 48 Hrs, DAPHNIA, mg/l >500
Hydrochloric acid: LC50: 282 mg/L *Gambusia affinis*
Hydrochloric acid: LC50: 3.6 mg/L *Lepomis macrochirus*

Aquatic: No known effects.

Persistence and Degradability: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Bioaccumulative Potential: No data available

Mobility in Soil: No data available.

Other Adverse Effects: None known

Other: For more information, see "[HANDBOOK OF ENVIRONMENTAL FATE AND EXPOSURE DATA.](#)"

SECTION 13. DISPOSAL CONSIDERATIONS

Treat empty containers as hazardous. Dispose of spill-clean up and other wastes in accordance with National and local regulations. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Although not a listed RCRA hazardous waste, this material may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with federal, state and local requirements.

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SECTION 13. DISPOSAL CONSIDERATIONS (cont.)

This product does not contain any prescribed substance under the Environmental Protection Act (Prescribed Processes and Substances) Regulations 1991 and is not classified as special waste under the Control of Substances (Special Waste) Regulations 1996, but is classified as controlled waste under the Environmental Protection Act 1990. For small quantities, dilute with water to at least 2.5% w/v (25 g/ litre) and pour down a wastewater drain (foul sewer). Rinse out containers at least twice and recycle if facilities exist or dispose of as commercial waste. For larger quantities dispose of safely as commercial waste.

European waste catalogue 20 01 29 Detergents containing dangerous substances

SECTION 14. TRANSPORTATION INFORMATION

US DOT: UN3264, Corrosive liquid, basic, inorganic, N.O.S. (contains hydrochloric acid and phosphoric acid) 8, PGII
International (Water, I.M.O.)

DOT Proper Shipping Name: Corrosive liquid, basic inorganic, N.O.S. (contains hydrochloric acid and phosphoric acid)

DOT Hazard Class: 8

UN Number: UN3264

Packing Group: II

Limited Quantity: No

Marine Pollutant: No

SECTION 15. REGULATORY INFORMATION

US EPA

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release quantities of Hazardous Substances is not required for this material.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on threshold planning quantities and release reporting based on reportable quantities in 40 CFR 355 (used for SARA 302, 304, 311, and 312) is not required for quantities below 250 pounds.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This material is not subject to reporting requirements.

Toxic Substances Control Act (TSCA) Status: The ingredients of this product are on the TSCA inventory.

State Right to Know

California Proposition 65: This product does not contain any materials on the Proposition 65 List of Chemicals Known to Cause Cancer or Reproductive Toxicity.

Massachusetts: Hazardous substances and extraordinarily hazardous substances must be identified.

Pennsylvania: Hazardous substances must be identified.

California SCAQMD Rule 443.1 (VOC's): None

Chemical Inventory Status

Canada

Ingredient	TSCA	EC	Japan	Australia	Korea	DSL	NDSL	Phil.
Phosphoric acid (CAS#7664-38-2)	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes

Federal, State & International Regulations

SARA 302	SARA 313	TSCA	RCRA
RQ	TPQ		
No	No	No	No

WHMIS:

This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

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SECTION 16. OTHER INFORMATION:

Revision Summary: All Sections: New GHS Format

SDS DATE REVISED: 10/13/2105

HMIS III Ratings

HMIS III®

Health	3
Flammability	0
Physical Hazard	1
Personal Protection	I

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