cleanworks®
CLEANING MANAGEMENT SYSTEM
REFILL - CONCENTRATE

MATERIAL SAFETY DATA SHEET

3/1/02

EMERGENCY TELEPHONE: 1-800-535-5053

SECTION 1 - PRODUCT

NAME: CLEANWORKS #4
DISINFECTANT RESTROOM CLEANER (Concentrate)
Product No.: 4
Product Type: Quat Disinfectant REFILL - CONCENTRATE

HMIS HAZARD RATING		
HEALTH SALUD	3	0-LEAST / MÍNIMO 1-SLIGHT / LIGERO 2-MODERATE / MODERADO 3-HIGH / SERIO 4-EXTREME / MUY GRAVE
FLAMMABILITY INFLAMABILIDAD	0	
REACTIVITY REACTIVIDAD	0	
PERSONAL PROTECTION PROTECCIÓN PERSONAL	C	C-glasses/lentes gloves/guantes apron/delanto

SECTION 2 - HAZARDOUS INGREDIENTS

Di-N-alkyl (C8/C10-50%; C10/C10-30%, C8/C8-20%)dimethyl ammonium Chloride CAS#68414-95-3 wt. % =1.50%
N-alkyl (C14-50%, C12-40%; C16-10%)dimethylbenzyl ammonium Chloride CAS#68424-85-1 wt. % =1.00%
Phosphoric acid CAS#7664-38-2 wt. % =8.50%
Oxalic acid CAS#144-62-1 wt. % =2.14%

SECTION 3 - HEALTH HAZARD & FIRST AID

1. Acute Health Effect: Yes
2. Chronic Health Effect: Yes
3. Carcinogen NO
4. Primary Entry Routes:
   a) Inhalation: Vapors can cause irritation of mucous membranes.
   b) Skin and Eyes: Liquid and vapor can cause severe irritation and burning of the skin and eyes. Repeated exposure may cause skin damage. Liquid or vapor can cause severe eye irritation and burns including blindness.
   c) Ingestion: Causes burns of the mouth, esophagus, and stomach. May be fatal.
5. First Aid:
   a) Inhalation: Move person to fresh air. If breathing stops give artificial respiration-get immediate medical attention.
   b) Skin: Remove contaminated clothing and wash skin with soap and large amounts of running water for 15 minutes. Get immediate medical attention.
   c) Eyes: Wash eyes with large volumes of water for at least 15 minutes while lifting the upper and lower eyelids and rotating the eyeball. Get immediate medical attention.
   d) Ingestion: Give 3-4 glasses of milk (if unavailable give water). DO NOT induce vomiting. If vomiting occurs, give fluids again and get immediate medical attention.

SECTION 4 - PHYSICAL & CHEMICAL CHARACTERISTICS

1. Physical State	Clear Liquid
2. Color	Dark Aqua
3. Odor	Mint
4. Solubility in water	Complete
5. Specific Gravity (H2O=1.0)	1.12
6. pH	<1.2
7. Freezing Point	N/A
8. Flash Point	None (will not burn)
9. Vapor Pressure	None

SECTION 5 - FIRE AND EXPLOSION HAZARD

1. Flash Point	None (will not burn)
2. Extinguishing Media	N/A
3. Special Fire Fighting Procedures	N/A
4. Unusual Fire & Explosion Hazard	Fire fighters should observe all precautions that apply to any fire where chemicals are stored. Products of combustion are toxic.

SECTION 6 - REACTIVITY DATA

1. Stability	Stable
2. Conditions to Avoid	Heat (may release chlorine gas) Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, and oxides of carbon, nitrogen and phosphorus.

SECTION 7 - SPILL OR LEAK PROCEDURES

1. DANGER. CORROSIVE MATERIAL. Floors may become slippery.
2. If product leaks or spills - Dike and contain spill with inert material sand, earth, etc. transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.
3. Abide by Federal, State, and Local regulations.

SECTION 8 - PERSONAL PROTECTION

1. Use this product in a well ventilated area.
2. Wear goggles.
3. Wear rubber gloves.
4. Wear apron.

SECTION 9 - SPECIAL PRECAUTIONS

1. Store containers tightly closed and in an upright position.
2. Do not destroy or deface the label.

SECTION 10 - SECTION 313 SUPPLIER NOTIFICATION (SARA)

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:
None

SECTION 11 - TOXICOLOGICAL INFORMATION

None

SECTION 12 - ECOLOGICAL INFORMATION

None

SECTION 13 - DISPOSAL CONSIDERATIONS

1. See Section 7 above.

SECTION 14 - DOT TRANSPORT INFORMATION

1. This product is Not Regulated.

SECTION 15 - OTHER REGULATORY INFORMATION

All ingredients appear on the TSCA Inventory List.

SECTION 16 - OTHER INFORMATION

1. N/A = Not Applicable
2. PMCC = Pensky Martin Closed Cup
   The health hazards given on this Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure of the diluted product under conditions of ordinary use.
3. Manufactured by: Carroll Company, Garland, TX, 1-800-527-5722