



# CLEANING MANAGEMENT SYSTEM

#4 Disinfectant Restroom Cleaner is designed to be used with the Cleanworks® Cleaning Management System. The system dispenses precisely diluted disinfectant detergent with the touch of a button...ready to work in spray, wipe-on, or mop-on applications. Highly concentrated formula saves storage space and helps reduce disposal costs. Cleanworks® is simple, accurate and safer to use.

The cleanworks® Cleaning Management System is subject of U.S. Patents No. 5037003, 5083677, & 5228598

1.800.527.5722  
www.cleanworks.net

## 4 DISINFECTANT RESTROOM CLEANER

### Why it's a better cleaner

The Cleanworks® System dispenses it right...every time.

- One step Powerful labor saving cleaner-disinfectant
- Fast acting heavy duty - Removes hard water deposits, soap scum, and rust
- Mild acid formula - Will not harm plated fixtures
- Hospital grade disinfectant - Proven germ killing power
- Fresh mint, deodorant - Leaves rooms smelling fresh and clean
- Fungicidal - Kills pathogenic fungi
- Mildewcidal - Kills odor causing mold and mildew



### How it cleans



Dispense precisely diluted cleaner into a clean, empty container. If solution is for reuse, properly label RTU container.



#### DISINFECTANT/CLEANER:

This product can be applied with a cloth, mop, or mechanical/spray device so as to thoroughly wet surfaces.



Treated surfaces must remain wet for 10 minutes to assure complete disinfection. Wipe dry or let air dry. Prepare a fresh solution daily or when use solution becomes diluted or soiled.



#### TOILET BOWL DISINFECTANT/CLEANER:

Force water from bowl. Pour solution on applicator. Clean entire unit, especially under rim.



Allow to stand for 10 minutes and flush.



Dispense 220 quarts or 55 gallons of ready-to-use disinfectant cleaner from the 1.25 gallon concentrate of Cleanworks® #4 Disinfectant Restroom Cleaner.

### Where it cleans

- Bathtubs
- Shower stalls
- Sinks
- Fixtures
- Urinals
- Toilet bowl surfaces
- Ceramic tile
- Other hard, non-porous surfaces

### Technical Data

Packaging (concentrate) . . . . .	1.25 Gallon
Concentrate Color . . . . .	Aqua
RTU Color . . . . .	Aqua
RTU Fragrance . . . . .	Light Mint
Foaming . . . . .	Low
Free-Rinsing . . . . .	Yes
Acid Concentrate . . . . .	11% Phosphoric
Caustic . . . . .	None
Phosphate . . . . .	None
RTU pH . . . . .	2.1
EPA Registered . . . . .	Yes

### Efficacy

*Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Salmonella choleraesuis*, *Brevibacterium ammoniagenes*, *Enterobacter aerogenes*, *Escherichia coli*, *Klebsiella pneumoniae*, *Proteus mirabilis*, *Salmonella typhi*, *Serratia marcescens*, *Shigella dysenteriae*, *Streptococcus pyogenes*, HIV-1 (AIDS virus), Herpes Simplex Type 1 & 2.

**SECTION 1 - PRODUCT**

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

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

- Acute Health Effect: Yes
- Chronic Health Effect: Yes
- Carcinogen: NO
- Primary Entry Routes:
  - Inhalation: Vapors can cause irritation of mucous membranes.
  - 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.
  - Ingestion: Causes burns of the mouth, esophagus, and stomach. May be fatal.
- First Aid:
  - Inhalation: Move person to fresh air. If breathing stops give artificial respiration-get immediate medical attention.
  - Skin: Remove contaminated clothing and wash skin with soap and large amounts of running water for 15 minutes. Get immediate medical attention.
  - 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.
  - 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**

- Physical State: Clear Liquid
- Color: Dark Aqua
- Odor: Mint
- Solubility in water: Complete
- Specific Gravity (H2O=1.0): \*1.05
- pH: <1.2
- Freezing Point: N/A
- Flash Point: None (will not burn)
- Vapor Pressure: None

**SECTION 5 - FIRE AND EXPLOSION HAZARD**

- Flash Point: None (will not burn)
- Extinguishing Media: N/A
- Special Fire Fighting Procedures: N/A
- 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**

- Stability: Stable
- 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**

- DANGER. CORROSIVE MATERIAL. Floors may become slippery.
- 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.
- Abide by Federal, State, and Local regulations.

**SECTION 8 - PERSONAL PROTECTION**

- Use this product in a well ventilated area.
- Wear goggles.
- Wear rubber gloves.
- Wear apron.

**SECTION 9 - SPECIAL PRECAUTIONS**

- Store containers tightly closed and in an upright position.
- 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**

- See Section 7 above.

**SECTION 14 - DOT TRANSPORT INFORMATION**

- This product is Not Regulated.

**SECTION 15 - OTHER REGULATORY INFORMATION**

All ingredients appear on the TSCA Inventory List.

**SECTION 16 - OTHER INFORMATION**

- \*Revision on 3/17/03 in Sec. 4
- N/A = Not Applicable
  - 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.
- Manufactured by: Carroll Company, Garland, TX, 1-800-527-5722

**SECTION 1 - PRODUCT**

NAME: CLEANWORKS #4  
DISINFECTANT RESTROOM CLEANER (Ready-to-Use)  
Product No.: 4  
Product Type: Quat Disinfectant DILUTED - READY TO USE

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

**SECTION 2 - HAZARDOUS INGREDIENTS**

None

**SECTION 3 - HEALTH HAZARD & FIRST AID**

- Acute Health Effect: Minimal
- Chronic Health Effect: Yes
- Carcinogen: NO
- Primary Entry Routes:
  - Inhalation: Vapors can cause irritation of mucous membranes.
  - 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.
  - Ingestion: Causes burns of the mouth, esophagus, and stomach. May be harmful or fatal if swallowed.
- First Aid:
  - Inhalation: Move person to fresh air. If breathing stops give artificial respiration-get immediate medical attention.
  - Skin: Remove contaminated clothing and wash skin with soap and large amounts of running water for 15 minutes. Get immediate medical attention.
  - 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.
  - 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**

- Physical State: Clear Liquid
- Color: Aqua
- Odor: Light Mint
- Solubility in water: Complete
- Specific Gravity (H2O=1.0): 1.05
- pH: 2.1
- Freezing Point: N/A
- Flash Point: None (will not burn)
- Vapor Pressure: None

**SECTION 5 - FIRE AND EXPLOSION HAZARD**

- Flash Point: None (will not burn)
- Extinguishing Media: N/A
- Special Fire Fighting Procedures: N/A
- 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**

- Stability: Stable
- 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**

- DANGER. CORROSIVE MATERIAL. Floors may become slippery.
- 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.
- Abide by Federal, State, and Local regulations.

**SECTION 8 - PERSONAL PROTECTION**

- Use this product in a well ventilated area.
- Wear goggles.
- Wear rubber gloves.

**SECTION 9 - SPECIAL PRECAUTIONS**

- Store containers tightly closed and in an upright position.
- 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**

- See Section 7 above.

**SECTION 14 - DOT TRANSPORT INFORMATION**

- This diluted product is not to be shipped and is to be used on site.

**SECTION 15 - OTHER REGULATORY INFORMATION**

All ingredients appear on the TSCA Inventory List.

**SECTION 16 - OTHER INFORMATION**

- N/A = Not Applicable
- 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.
- Manufactured by: Carroll Company, Garland, TX, 1-800-527-5722