



## Maintenance and Cleaning Products

**K.O.**  
Kills Odors!



Eliminates holding tank odors at their source. K.O. works when nothing else will!

- Odor-killing bacteria digests liquids, solid waste and paper
- Does not require adding “tissue digesters” or other “boosters” to be effective
- Safe in any waste tank system
- A small amount of K.O. can easily keep a boat odor-free between pumpouts
- A safe, non-chemical and nonpolluting product

**Part # 1PKO22** - 22 oz. bottle- 4 oz. per 25 gallons of tank capacity

**Part # 1PKGAL** - 1 gallon- 4 oz. per 25 gallons of tank capacity

**C.P.**  
Cleans Potties!



C.P. no brushing required, the only bowl cleaner that can be used with K.O.

- The first bowl cleaner to combine a specialized strain of bacteria with 100% biodegradable cleaning agents
- Leaves toilet bowls, sparkling clean, use to clean sinks and showers
- A safe, non-chemical and nonpolluting product that Destroys odors on contact
- Eliminates the need to use bleach and other toxic chemicals to sanitize

**Part # 1PCP22** - 22 oz. with squirt cap to easily get under the rim

**C.H.**  
Cleans Hoses!



C.H. a must have for all boatyards, marine plumbers, marinas and boat owners.

- Designed to work without having to remove any piping.
- C.H. is an effective alternative to remove uric scale and build up from black water systems.
- Dissolves clogs which cause plumbing to overflow and create nasty odors.
- Recommended for all Lectra/San and Electroscan units - Increases plate life if used every 6 months.

**Part # 1PCHGAL** - 1 gallon makes 6 gallons of solution

*Raritan products are chosen by powerboat, sailboat, houseboat, and RV owners and manufacturers the world over for their dependability, environmental responsibility, simplicity of installation, operation, and maintenance. The product line includes house-hold style toilets, marine toilets, marine sanitation devices and systems, cleaning products, icemakers, water heaters, and rudder angle indicators.*

*To view our complete line as well as obtain installation and servicing guides: visit [www.raritaneng.com](http://www.raritaneng.com)*

## **K.O. KILLS ODORS!**

### **K.O. Is Not A Chemical Product.**

K.O. utilizes live, odor-killing bacteria which digest liquids, solid waste and paper, totally emulsifying them so there's no need to add "tissue digesters" or other "boosters" to your system. The bacteria in K.O. actually neutralize the odor-causing elements in waste, effectively converting the contents of your holding tank to an odor-free product.

### **K.O. Is More Effective Than Any Chemical**

#### **Or Enzyme Product.**

Chemicals only mask odor temporarily. Although they kill odor-causing bacteria, chemicals also kill other bacteria that suppress odor. Chemicals can actually cause the odor problems you're trying to solve!

Enzymes stimulate the breakdown of waste already in the tank, but are not effective against odor, and are diluted by new waste as it's added. You need only four ounces of K.O. per 25 gallon tank capacity. There is seldom any need to add K.O. between pump-outs, nor do you need to pump out until the tank is full, making K.O. less expensive to use than lower-priced products. Unlike chemicals, the discharge from tanks treated with K.O. is welcome in on-shore sewer and septic tank systems.

## **C.P. CLEANS POTTIES!**

### **C.P. Is Like No Other Toilet Bowl Cleaner.**

It's the first bowl cleaner to combine a specialized strain of bacteria with 100% biodegradable cleaning agents specifically designed to make the bowl shine like never before and keep the entire system odor-free, while maintaining the bioactive environment essential to odor control in your holding tank.

### **C.P. Destroys Odors On Contact As It Cleans.**

Just squirt a little C.P. under the rim of the toilet bowl. Stains, soil, and odor – even the worst raw water odors from the intake line – just disappear, usually without brushing. C.P. eliminates the need to use bleach and other toxic chemicals to sanitize your toilet bowl. Use C.P. to clean sinks, showers and basins too! It leaves them sparkling clean and fresh-smelling.

**C.P. Is The Only Bowl Cleaner That Can Be Combined With K.O.** Other toilet bowl cleaners use chemicals. Because C.P. is a bioactive cleaner that uses no chemicals, it won't kill the bacteria in K.O.

## **C.H. CLEANS HOSES!**

### **CLEANING SYSTEMS WITH RARITAN'S "CH - CLEANS HOSES"**

#### **Systems with holding tanks:**

Mix solution using a 1:5 mix (1 part Cleans-Hoses, 5 parts clean water). Pour solution into toilet and flush until a minimum of 3 gallons has made it to the holding tank. Allow mixture to sit in the hoses for at least 6 hours or a maximum of 24 hours. Flush toilet with plenty of clean water, 10 gallons or more, then pump out the holding tank and resume use of system. See tank cleaning instructions for cleaning holding tank.

#### **Tank cleaning:**

Fill tank with a Cleans-Hoses solution. Mix 1 part Cleans-Hoses to 5 parts clean water. Make certain all air gaps have been filled. For best result provide some means of agitation for 12-18 hours with either a compressed air line or utility pump. Pump out tank(s), then flush tank(s) with clean water and pump out again, before resuming use of the system.

#### **Systems with Electroscan or Lectra/San:**

Flush the toilet 10 normal flushes to clear any residual chemicals. Mix solution using a 1:5 mix (1 part Cleans-Hoses, 5 parts clean water). Pour solution into toilet and flush until a minimum of 3 gallons has made it to the Lectra/San or Electroscan tank. Allow mixture to sit without activating the treatment system for at least 6 hours or a maximum of 24 hours. Flush toilet with plenty of clean water, 10 gallons or more, then resume use of system. (see Electroscan and Lectra/San manual for information on disabling the treatment system.)

Diameter	Length in Feet			
	1	5	10	20
Inches				
1	<b>0.04</b>	<b>0.2</b>	<b>0.4</b>	<b>0.8</b>
2	<b>0.16</b>	<b>0.8</b>	<b>1.6</b>	<b>3.2</b>
3	<b>0.37</b>	<b>1.84</b>	<b>4</b>	<b>8</b>
4	<b>0.65</b>	<b>3.26</b>	<b>7</b>	<b>13</b>

**Example:** 1 ft length of 1.5" diameter hose capacity is approximately 0.10 gal US

**Example:** 2.5 ft of 1" diameter of hose capacity is also approximately 0.10 gal US

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