

# Pharmaceutical FRONTLINE

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#### ACKNOWLEDGEMENTS

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#### EPA Uses Chlorine Dioxide In Anthrax Decontamination

The United States Environmental Protection Agency used chlorine dioxide gas to fumigate the Hart Senate Building after anthrax was discovered on letters sent to Senator Daschle and others. In specific areas, chlorine dioxide liquid was applied to destroy the anthrax spores. The EPA noted that the use of chlorine dioxide gas was successful and there was no threat to the public health from the fumigation effort. The EPA repeated the fumigation process three times to remove all traces of the anthrax spores from the building.

Further information on the EPA clean up of the anthrax bioterrorism event can be found on the EPA home page at [epa.gov](http://epa.gov) and in the EPA press releases.

#### POWER FOAMER™



The Power Foamer™ was designed by Pharmaceutical's Service Department to provide another way for customers to maintain a healthy clean environment for their animals while minimizing manual labor. The Power Foamer™ produces thick long-lasting foam that will cling to vertical and horizontal surfaces.

Foaming done properly will provide extended contact time, allowing the chemical more time to work. Since the chemical will be doing more work, the user minimizes the amount of manual labor required to complete the job.

Power Foamer™ is a portable unit which does not require an external water source. A six gallon reservoir is filled with a premixed solution. The unit plugs into a standard 110 volt outlet. Foaming is controlled by an on/off valve on the ergonomic gun. Other features include a 25' GFCI power cord for safety, a 25' hose, a foam intensity control knob, and a stainless steel handtruck.

#### FOAM BOOSTER™

PRL's Foam Booster™ is a high foam additive that can be used with Pharmaceutical's detergents or descalers to increase their clinging and foaming ability. The mixed solution used through the Power Foamer™ will yield an optimum amount of foam to penetrate scale, grease or dirt. Foam Booster™ is available in 1 gallon bottles, 4 one-gallon bottles per case, 5 gallon containers with spigot, 30 gallon or 55 gallon drums.

**NEW**  
**WEB PAGE DESIGN**

[www.pharmacal.com](http://www.pharmacal.com)

Visit us at our recently updated web page. You can now access:

- Chemical descriptions
- Product Container sizes
- Monitoring Products
- Bulk Information
- MSDS in Adobe PDF format
- Equipment Instructions
- Dispensing Equipment
- Spill Containment Pallets
- Drum Handling Devices

Pharmaceutical's updated web page is user friendly. Material Safety Data Sheets can now be downloaded easily. Past issues of the newsletter are also available. You can also email your sales representative directly or email us at the office.

#### EMPLOYEE UPDATE

Pharmaceutical is pleased to announce that Dean Kramer is joining the Pharmaceutical Service Department. He is a family man from the Baltimore area. He begins his training with our current staff at the Naugatuck plant on January 7, 2002. After completing the training program, he will be servicing the East Coast area.



**PRL PRODUCTS**

**ALKALINE DETERGENTS**

ALKA-DET® 2  
ALKA-DET® 3  
ALKA-DET® HW  
CLOUT®  
CLOUT® PF  
PRL-18®  
PRL-25®  
PRL- GREASE FREE®  
RELEASE®

**URINE SCALE REMOVERS**

ACID POWER®  
URI-SOLV®  
URID®

**ACID NEUTRALIZER**

pH Control®

**DISINFECTANTS**

CLIDOX®-S  
QUATRICIDE®  
QUATRICIDE® PV  
QUATRICIDE® PV-15  
QUATRICIDE® TB

**PERSONAL INFECTION CONTROL**

Pharma-Clenz® Skin Cleanser  
Pharma-Clenz® Barrier Cream

**SPECIALTY PRODUCTS**

Crystalit®  
Liquid Litter®  
Trail®  
Urex®  
Foam Booster™  
Sani-Cloth®

**MONITORING PRODUCTS**

Temp-Tapes®  
Tri-Temp Tapes®  
RODAC® plates  
SteriGage™  
QUAT CHECK Paper  
pH Paper  
Water Hardness Test Strips

**EQUIPMENT**

**Complete line of chemical mixing  
& proportioning devices**

Power Sprayer™  
Power Foamer™  
CLIDOX® Mixing Station  
Hydro Units

Spill Containment Pallets  
Ergonomic Drum Handler  
Drum Dollies

**NEW LABELS**

**CLIDOX-S® BASE  
&  
CLIDOX-S® ACTIVATOR  
LABELS**

*have a new look*

The *new* EPA approved labels will be showing up at your facility in the near future. CLIDOX-S® remains the same but the labels have been modified to meet new regulations. The CLIDOX-S® BASE label is still blue in color but the CLIDOX-S® ACTIVATOR label will now be a bright red color. First Aid statements, Storage & Disposal information, as well as Emergency information are brightly marked. The new labels are easier to read and important information is now in a blocked format for easy access.

The percent of active ingredients remained the same. The product is to be mixed in exactly the same manner as the previous label. No label claims were added or removed. If you have any questions, please contact your Pharmaceutical Sales Representative.

**NEW CLAIMS**

QUATRICIDE® PV-15 and QUATRICIDE® PV labels are currently being updated and should be available in the Fall of 2002. The new labels will have more disinfecting claims. The mixing directions will remain the same:

QUATRICIDE® PV 2 oz / gallon

QUATRICIDE® PV-15 1/2 oz/gal.

The use dilutions when mixed properly will have 660 PPM (parts per million) of quaternary ammonium, an increase of 30 PPM. Further details will be made available once the new label is approved.

**CHLORINE DIOXIDE  
AS A DISINFECTANT**

A good sanitation program includes the use of disinfectants to enhance the eradication of microbes. It can be confusing when there are so many products on the market. Aqueous chlorine (as sodium hypochlorite) and liquid chlorine dioxide are two very different antimicrobial agents.

Pharmaceutical Research Laboratories, Inc. has repeatedly advised our customers to avoid the use of sodium hypochlorite in the presence of a heavy organic soil load. Chlorine bleach's effectiveness as a disinfectant is quickly reduced by organic soil and can produce trihalomethanes, a related known carcinogenic compound. Unlike bleach, chlorine dioxide does **NOT** react with organic soils to produce trihalomethanes.

The one similarity with bleach is that CLIDOX-S® is a disinfectant that offers a broad range of microbial kill. In fact CLIDOX-S® is a registered high level disinfectant.

All chemical disinfectants carry an E.P.A. (Environmental Protection Agency) registration number. Test data must be supplied to the E.P.A. before any claims can be made. When considering which disinfectant is best for your facility, first check for an E.P.A. registration number. Following the manufacturer's direction for proper dilution, application and contact time is imperative.

Pharmaceutical has a technical booklet available for our customers concerning the use of chlorine dioxide with test data on the log reduction of micro-organisms. To request a copy of this book contact Tammy at 1-800-243-5350.



**QUAT CHECK PAPER**

Quat Check paper provides a fast, simple and reliable test to ensure that a mixed solution contains the proper concentration of quaternary ammonium needed for disinfection. These test papers can **NOT** be used with strong alkaline products.

Quat Check paper is an ideal way to monitor mixed solutions of QUATRICIDE® PV and QUATRICIDE® PV-15. Both of these products have a pH range of 7.2 to 8.2.

The test paper is simple to use. You dip the paper into the solution and match the color to the enclosed chart. The range on the Quat Check paper should be 600 - 800 PPM of quaternary ammonium. The paper should change from a yellow to a green color. When a fresh solution is prepared correctly, the recommended dilutions of QUATRICIDE® PV-15 and QUATRICIDE® PV will give 630 PPM with the current formulation. It is recommended that a new batch be prepared when the mixed solution becomes visibly dirty no matter what the level of quaternary ammonium is. Refer to the product label for complete mixing directions.

QUAT CHECK paper can be purchased through Pharmacal in single rolls or in cases of ten. For your convenience, a clear dispenser comes with every roll. Please call the office for current pricing.

**PRODUCT STABILITY GUIDELINES**

PRL has developed a blueprint chart listing Pharmacal's "in house" test data for product stability. The guide was developed for those facilities that require this type of information for their internal records or SOP's. These are **suggested guidelines** to help individual facilities set up their own Standard Operating Procedures. Once a product leaves the Pharmacal warehouse, we have no control over what the product is exposed to, such as storage conditions within a facility, temperature, evaporation, and human error.

The guide is presented for PRL's concentrated products in closed containers and open containers. Bulk systems would be considered closed containers.

Managers who have any questions should consult with their sales representatives. When making future purchases, managers should consider ordering the product(s) in smaller containers.

The Environmental Protection Agency requires a one-year stability test for all registered disinfectants. The chart also includes mixed solution stability for Pharmacal's registered products. If you have any questions, please contact Tammy at 1-800-243-5350.

**MSDS UPDATES**

Material Safety Data Sheets (MSDS) were updated in October of 2001. If you did not receive the updated Material Safety Data Sheets, please contact the office at 1-800-243-5350 with a list of products that you currently purchase and the updated sheets will be sent to you. If you have access to the internet, the updates are also available on our web page at [www.pharmacal.com](http://www.pharmacal.com). They are available in Adobe PDF format for your convenience.

*Since 1971...*

Pharmacal Research Laboratories has been the leading manufacturer and distributor of high quality sanitation products developed exclusively for the professional engaged in Laboratory Animal Science. Customer satisfaction is our number one priority.

*Leading the way....*

Our products are developed to achieve the highest level of efficacy. All products must go through an extensive testing procedure before it is even tested in the field. Once in the field, new products are tested and retested before they become available to our customers. Pharmacal is also always on the look out for new and improved equipment. We provide top quality products, reliable and easy to use dispensing equipment, drum handling and storage equipment, timely deliveries, and competitive pricing.

*Pharmacal people....*

Our staff includes two Certified Laboratory Animal Technologists (LATG), two chemical engineers, an industrial environmental engineer, and highly trained service personnel.

**— Ask PRL —**

We hope that you have found our FRONTLINE newsletter informative.  
Do you have questions about sanitation that we can answer?

CONTACT US AT:

Pharmacal Research Laboratories • 1-800-243-5350

E-mail us at: [moreinfo@pharmacal.com](mailto:moreinfo@pharmacal.com)

Or visit our internet Web site at: [www.pharmacal.com](http://www.pharmacal.com)

**PRL**  
**TOP-OF-THE-LINE**  
**QUALITY PRODUCTS**  
**& SERVICE**

Superior Cleaning

Animal Sanitation Chemicals

Glassware Washing Products

Monitoring Products

Chemical Dispensing  
Equipment

Material Handling  
Equipment

**ONCE AGAIN WE ARE**  
**LEADING THE INDUSTRY WITH**  
**GOODS AND SERVICES**  
**— SECOND TO NONE —**

**— PRL ORGANIZATIONAL CHART —**

**President**.....Jerry Shapiro

**Sales Representatives**.....

Sales Manager.....Ken Shapiro

New England.....Mark Fasciano

North East.....Steve Green

North East.....Amy Ingraham RLATG

Eastern Canada.....Roger Lavallee

South West.....Brian Gillman LATG

South East.....Vince Lemken

Mid Atlantic.....Frank Lynch

Mid West.....Bob Wasem

West Coast US &

Western Canada.....Paul Chavez

**Manufacturing Plant Manager**

Mark Massicotte.....Plant Manager

**Service Department**

Bill Fleischer.....Service Manager

Sean Wilt.....Service Coordinator

**PRL Service Technicians**

Dennis Ayotte

Doug Hatfield

Dean Kramer

Harvey Powell

**QA & Technical Information**

Tammy Marotta Fleischer

**Customer Service**

Diane Smith.....Office Manager

Debbie Budzilek.....Accounts Payable

CeCe Franceskino.....Accounts Receivable

Julissa Vazquez.....Order Processing

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**pharmaceutical**

