





# DECONING TURNOUTS & PPE WITH PROQUAT DISINFECTANT

## // *SOG & Cleaning Guide*

---

USE CLOROX PRO QUATREINARY DISINFECTANT (EPA Registered #1839-166)  
Available for purchase at [www.solutionssafety.com](http://www.solutionssafety.com)

### **SOG for Prep of Gear at Incident:**

1. Mix 1 oz. of Pro Quat Disinfectant with 1 gallon of water. Once mixed, pour into quart size spray bottles. This Pro Quat Disinfectant mixture is effective for 28 days.
2. Maintain a spray bottle of the Pro Quat Disinfectant mixture in each vehicle.
3. When turnout gear comes in contact with body fluid, spray the affected areas of the gear with the Pro Quat Disinfectant mixture. Mixture should have at least 10 minutes of contact time with garments.
4. Remove turnout gear from personnel.
5. Put turnout gear into a hazmat bag, label and transport to a Decon/Wash Center.

### **SOG for Washing in Extractor after Receiving at Decon Center:**

1. Receive ensemble using universal precautions (contaminated elements should be in bags, but wear gloves and other protective clothing).
2. Place bag of contaminated garment directly into a washer/extractor.
3. Open the top of the bag and turn it over, carefully emptying the contents in the washer/extractor. Leave contaminated bag in extractor.
4. Remove the disposable gloves and drop them into the washer/extractor.
5. Close door of washer/extractor and begin the decontamination cycle for 10 minutes.
6. This cycle should be programmed to auto-inject 1 ounce of Pro Quat Disinfectant per gallon of water into the washer/extractor. If the washer/extractor is not programmed to auto-inject, add 1 ounce per gallon of water into the washer/extractor by hand pour. Decon time shall be programmed for 10 minutes of contact time.

**Example: If the machine fills with 12 gallons of water add 12oz of Pro Quat Disinfectant**

7. Remove universal protective clothing worn during the washing process and have those items disinfected and neutralized or dispose as per regulations.
8. Allow Extractor disinfectant cycle of Turnouts to complete.
9. Remove garments from washer/extractor and prepare for Advanced Cleaning as per NFPA 1851 (Separate Shell and Liner) - go to <http://solutionssafety.com/pages/brochures> for SOP guide.
10. Initiate an advanced cleaning for both outershell and liners as per NFPA 1851 on the appropriate programmed extractor wash cycles. (Outer Shell / Liner)

## Technical Information for Pro-Quaternary™ Neutral pH Disinfectant Meets NFPA 1851 Standards

EFFICACY TESTS HAVE DEMONSTRATED THAT THIS PRODUCT IS ANEFFECTIVE BACTERICIDE, VIRUCIDE AND FUNGICIDE AGAINST THE LISTED ORGANISMS IN WATER UP TO 400 PPM HARDNESS (AS CaCO<sub>3</sub>) IN THE PRESENCE OF ORGANIC SOIL (5% BLOOD SERUM).

**DEODORIZATION** – To deodorize, apply this product as indicated under the heading **Disinfection**.

**BACTERICIDAL ACTIVITY** – At the 1 ounce per gallon dilution, this product demonstrates effective disinfectant activity against the organisms: *Pseudomonas aeruginosa*, *Salmonella choleraesuis*, *Staphylococcus aureus*, *Staphylococcus aureus* (clinical isolate), *Bordetella bronchiseptica*, *Corynebacterium ammoniagenes*, *Enterobacter aerogenes*, *Enterobacter cloacae*, *Enterobacter cloacae*, *Enterobacter cloacae* (clinical isolate), *Enterococcus faecalis*, *Enterococcus faecalis* (clinical isolate), *Escherichia coli*, *Escherichia coli*, *Escherichia coli* (clinical isolate), *Fusobacterium necrophorum*, *Klebsiella pneumoniae*, *Lactobacillus casei* subsp. *Rhamnosus*, *Listeria monocytogenes*, *Pasteurella multocida*, *Proteus vulgaris*, *Proteus mirabilis* ATCC 9921, *Proteus mirabilis* ATCC 25933, *Salmonella choleraesuis* subsp. *Choleraesuis* serotype paratyphi B, *Salmonella choleraesuis* subsp. *Choleraesuis* serotype typhi, *Salmonella choleraesuis* subsp. *Choleraesuis* serotype typhimurium, *Salmonella choleraesuis* subsp. *Choleraesuis* serotype pullorum, *Serratia marcescens*, *Shigella sonnei*, *Shigella flexneri* Type 2B, *Shigella dysenteriae*, *Staphylococcus aureus* subsp. *aureus*, *Staphylococcus epidermidis*, *Staphylococcus epidermidis* (clinical isolate), *Streptococcus pyogenes* (Clinical Flesh Eating Strain BIRD M3), *Streptococcus pyogenes* Group A, *Xanthomonas maltophilia* (clinical isolate), Vancomycin resistant *Enterococcus faecalis* (VRE), Methicillin resistant *Staphylococcus aureus* (MRSA), Vancomycin intermediate resistant *Staphylococcus aureus* (VISA).

# Solu+ions Safety

---

Professional PPE Cleaning Systems and NFPA 1851 Training

**MILDEWSTAT** – To control mold and mildew (such as *Aspergillus niger*) and the odors they cause on precleaned hard non-porous inanimate surfaces, add 1 ounce of this product per gallon of water. Apply solution with a cloth, mop or sponge making sure to wet all surfaces completely. Let air dry. Prepare a fresh solution for each use. Repeat application at weekly intervals or when mildew growth appears.

**FUNGICIDAL ACTIVITY** – At the 1 ounce per gallon dilution, this product is fungicidal against the pathogenic fungi, *Trichophyton mentagrophytes* (Athlete's Foot Fungus) and *Candida albicans*. Apply solution with a cloth, sponge or hand pump trigger sprayer to hard, non-porous surfaces found in bathrooms, shower stalls, locker rooms, exercise facilities or other clean, hard non-porous surfaces commonly contacted by bare feet. Allow the surface to remain wet for 10 minutes, then remove excess liquid. Diluted product should be applied daily or more frequently with heavy facility use.

**VIRUCIDAL ACTIVITY** – This product when used on environmental, inanimate, hard, non-porous surfaces exhibits effective virucidal activity against HIV-1, HIV-2, Hepatitis B virus (HBV), Hepatitis C virus (HCV), Herpes Simplex Type 1 (causative agent of fever blisters), Herpes Simplex Type 2 (genital), Influenza A2/Hong Kong, Vaccinia, Rotavirus, Pseudorabies, Bovine Rhinotracheitis, Feline Leukemia, Feline Picornavirus, and Canine Distemper. Add 1 ounce of the product per gallon of water. For heavily soiled areas, a pre-cleaning step is required. Apply solution with a cloth, mop, sponge or hand pump trigger sprayer so as to wet all surfaces thoroughly. Allow the surface to remain wet for 10 minutes, then remove excess liquid.

**KILLS HIV-1, HIV-2, HBV and HCV ON PRECLEANED ENVIRONMENTAL SURFACES / OBJECTS PREVIOUSLY SOILED WITH BLOOD / BODY FLUIDS** in health care settings (Hospitals, Nursing Homes) or other settings in which there is an expected likelihood of soiling of inanimate surfaces / objects with blood or body fluids, and in which the surfaces / objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of Human Immunodeficiency Virus Type 1 or Type 2 (HIV-1 or HIV-2) (associated with AIDS), Hepatitis B virus (HBV) and Hepatitis C virus (HVC).

This product is a concentrated product. All efficacy testing is based on 1 ounce Pro-Quat diluted with 1 gallon of water. *Example: One gallon of Pro-Quat will make 129 gallons of ready-to-use disinfect. Once mixed and kept in a closed container (spray bottle) efficacy as per Stepan Corp. (master formulator) is 28 days*