

The KilZone Advantage

SPORTS-O-ZONE

LAUNDRY FACT SHEET

EPA Reg. No. 10324-117

EPA Est. No. 74373-IN-1

KilZone imparts to the fabric a residual self-sanitizing and residual bacteriostatic finish under humid or wet contamination conditions during normal conditions of use and storage.

KilZone is a laundry sanitizer, fabric mildew inhibitor that reduces the bacterial count by 99.99%. When used as directed, **KilZone** provides effective residual bacteriostat and self-sanitizing properties for laundered items such as hospital and institutional linens and athletic apparel. **KilZone** contains no phosphorous and delivers non-acid disinfection performance in an economical concentrate.

At 12 ounces per 100 lbs. of dry laundry, this product provides sanitization against *Staphylococcus aureus*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, Methicillin-resistant *Staphylococcus aureus* (MRSA), and is effective against HIV. This product is effective in rinse water up to 200 ppm hard water. For HIV, this product is effective in 400 ppm hard water when presoaked for 10 minutes before normal washing.

One gallon can sanitize up to 1,000 lbs. of laundry. Fabric treated with **KilZone** will inhibit the growth of many organisms not only at the time of exposure and contamination, but also through the handling and transportation until the garments are again laundered and treated with **KilZone**. **KilZone** eliminates discoloration, pinholing and tensile strength loss caused by mildew growth and is especially useful for colored textiles that cannot be bleached.

DIRECTIONS FOR USE

COMMERCIAL AND INSTITUTIONAL LAUNDRY USE: For residual bacteriostatic activity against gram negative and/or gram positive odor-causing bacteria and residual self-sanitizing activity against *Klebsiella pneumoniae* and *Staphylococcus aureus*, use **KilZone** as directed. Initial Treatment: Use 10 ounces of this product (or equivalent use dilution) per 100 pounds of fabric (dry weight). Dilute the appropriate amount of this product in one to two gallons of water then add this solution to the wash wheel at the beginning of the final rinse cycle. A minimum rinse cycle time of 5 minutes is required. Repeat Treatment: The treatment should be repeated after each washing (or if odor persists).

LAUNDRY BACTERIOSTAT FOR COMMERCIAL, INDUSTRIAL, AND NON-MEDICAL INSTITUTIONAL LAUNDRY APPLICATIONS: **KilZone** provides the fabric with residual bacteriostatic activity against odor causing gram-negative and gram-positive bacteria when this product is added to the final rinse at a rate of 10 ounces per 100 lbs. of dry laundry. **KilZone** has been evaluated against: *Corynebacterium ammoniagenes*, *Klebsiella pneumoniae*, and *Staphylococcus aureus*

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LAUNDRY FACT SHEET CONTINUED.....

LAUNDRY DEODORIZER (AGAINST ODOR CAUSING BACTERIA): Use 3 ounces per 100 pounds of dry weight fabric. Dilute the appropriate amount of **KilZone** in one to two gallons of water, then add to the washwheel in the final rinse. Re-treat fabric after each washing. For activity against odor causing bacteria, conditions of high relative humidity or wet contamination are required. Laundered fabric is also to be treated by soaking.

PRESERVATION AGAINST MILDEW BY SOAKING: Use 10 ounces of this product per 100 pounds of fabric (dry weight). A minimum soaking time of 5 minutes is required.

LAUNDRY SANITIZER:

For sanitizing step, fill washer to low water level with minimum temperature water of 95 degrees. Using an appropriate dispenser, inject (product) into the sanitizing rinse step at the rate of 1oz/gal water to yield 780 ppm active quat (1 ounce per gallon of water) (12 ounces per 100 lbs. of dry laundry) (780 ppm active quat) (or equivalent use dilution). Treat the laundry for a minimum of 5 minutes at a minimum temperature of 95 degrees. Other laundry additives, such as fabric softeners, laundry sour, starch and sizing must be used per manufacturer's instructions in subsequent rinse cycles after the sanitizing rinse cycle. When added at the rate of 1 oz/gal water to yield 780 ppm active quat (1 ounce per gallon of water) (12 ounces per 100 lbs. of dry laundry) (or equivalent use dilution), this formulation provides sanitization against *Staphylococcus aureus*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, and Methicillin-resistant *Staphylococcus aureus* (MRSA) and is effective against the HIV virus. **KilZone** is effective in rinse water up to 200ppm hard water. This product is used in the final, warm rinse cycle at a low water level. Dilute the appropriate amount of **KilZone** (1 ounce per gallon of water) (12 ounces per 100 lbs. of dry laundry) (780 ppm active quat) (or equivalent use dilution); then add to the wash in the final rinse, or dispense directly through automatic dispensing equipment. Run for a minimum of 5 minutes. Retreat as necessary. **KilZone** will not harm fabrics.

DO NOT USE IN THE PRESENCE OF OR MIX WITH OTHER CHEMICALS. KILLS HIV-1 ON LAUNDRY IN COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL APPLICATIONS. This product provides virucidal activity against HIV-1 on fabrics when presoaked with a 10-minute contact time followed by normal washing in detergent and rinsing at a rate of 12 ounces per 100 lbs. of dry laundry in water hardness of 400 ppm.

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