



Care & Cleaning Information for Bulwark Excel-FR™ Flame Resistant 100% Cotton and Excel-FR ComforTouch™ 88% Cotton/12% Nylon Garments

Bulwark Excel-FR™ durable “Flame Resistant” (“FR”) 100% cotton and Excel-FR ComforTouch™ 88% cotton/12% nylon blend garments are made from fabrics treated with a durable flame retardant finish.

These garments can be laundered at temperatures normal to cottons. With the exception of FR denim, they can also be dry cleaned. Do not dry clean 100% cotton denim as the indigo dye system will fade and bleed into the solvent.

INDUSTRIAL LAUNDRY

- **Chlorine bleach (sodium hypochlorite) and hydrogen peroxide (oxygen bleach), whether separate or contained in detergents, must be avoided.** Repeated exposure to bleach can destroy the FR polymer and make the garments non-protective.
- Starch, fabric softeners, and other laundry additives can coat the fiber and mask the FR performance or serve as fuel in case of garment ignition. Therefore their use is not recommended. Garments should be soured to a pH between 5.5 and 6.5

HOME WASH

- **USE any typical home laundry detergent.** Powdered home wash detergents containing sodium perborate and other “**color safe**” **bleach alternatives** will not affect the flame resistance of the garments.
- **DO NOT USE CHLORINE BLEACH, liquid non-chlorine bleach or detergents**

that contain hydrogen peroxide. These include but are not limited to liquid *Tide with Bleach*®, liquid *Clorox II*®, and liquid *Vivid*®.

- It is important that all potentially flammable soils and other contaminants are completely removed from garments during the wash process. This may require the use of stain removal products, such as *Shout*®, *Spray ‘n Wash*®, or *Zout*®; or presoaking garments prior to washing. The use of hot water can often make detergents more effective in soil removal. If all contaminants cannot be removed in home care, you should obtain professional help in getting your FR garments clean.
- **Starch, fabric softeners, and other laundry additives are not recommended** because they can coat fibers and mask FR performance, or serve as fuel in case of garment ignition.
- **Do not over dry garments.** If desired, you may press with an iron on the normal cotton setting.
- We recommend you **TURN GARMENTS INSIDE OUT** to help reduce **streaking that can occur due to abrasion in the washer.**
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DRY CLEAN

- Either perchloroethylene or petroleum solvent can be used. With petroleum, it is necessary to ensure that all solvent has been completely dried from the garments. Do not dry clean indigo dyed FR denim.