

# Storage, Use, Care & Maintenance

## OBERON ARC AND TCG SERIES SUITS

### STORAGE

In order to avoid color fading and lost of strength the garments should not be stored under direct sunlight or other Ultraviolet (UV) light sources; heat and flame protection, however, will not be lost by the influence of UV radiation. PPE has to be stored in dry and dust free conditions. During a long lifetime of PPE a high degree of responsibility is needed by the user to check regularly the functionality of all layers of PPE, and to remove it from service if necessary.



### Use

This product should be used in accordance with all labeling and the NFPA 70E standard

### Important Warning !!

This product does not provide insulation from electric shock. This product, when properly selected and worn, is designed to provide protection from burn injuries resulting from an electrical arc flash in accordance with ASTM F1506 & NFPA 70E. It is important to note that this product will provide limited or no protection against Sound, Pressure, Projectiles and Respiratory Hazards which may result from an arc incident. Face protective products which are effective against the arc flash hazard can reduce visibility. NFPA 70E calls for the use of additional lighting if work conditions require.

***Do not reuse this product after an arc exposure.***

### Remember !!

Always perform a hazard analysis to determine the potential arc hazard energy level. Only use PPE with an arc rating (ATPV or EBT) that is equal to or greater than your potential arc hazard energy level.



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### Care

**HOOD WINDOW:** Remove Window and Hard Cap from Hood shell. Rinse window with warm water. Tap dry inner surface w/soft cloth. Allow inner Antifog surface to regenerate. **DO NOT USE** cleaners or disinfectants on inner surface!!

**DO NOT LAUNDRER HOOD WITH WINDOW AND HARD CAP IN PLACE!!**

#### GARMENTS/FABRIC:

Washing any flame resistant fabric with bleach can be a problem. Bleach, whether chlorine or oxygen (hydrogen peroxide), can impact the strength of Aramid fibers after garments are washed 50 or more times. Bleach can also reduce the flame resistance of Flame Retardant Treated cotton, but it will not reduce the flame resistance of Aramids. To avoid these problems Oberon recommends the use of a mild but effective detergent that does not contain any chlorine or oxygen bleach.

#### WASHING PROCEDURES:

Fabric may be either washed or dry cleaned. Garments shall be washed or cleaned separately from any other clothing in order to avoid sediments of unknown fibres which may reduce the protection properties. Especially the hook part of hook & loop fasteners may affect the surface of clothing during washing procedures and may create unwanted pilling. It is therefore recommended to cover carefully all hook & loop fasteners before washing. This can be done either by closing of all fasteners or by covering of the fasteners with corresponding counterparts.

#### DETERGENTS:

To insure optimal performance of Aramid or FR Treated fabric garments, the recommended Detergent - Ivory Snow (liquid or powder)

- Liquid is best for oil and grease
- Powder is best for mud and clay

At the time of this document, Ivory Snow contains neither chlorine bleach, oxygen bleach, nor fabric softeners. FR garments should not be washed with fabric softeners because fabric softeners can leave a flammable film on the fabric. While there are other



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detergents without bleach or fabric softeners, Ivory Snow is the one detergent that is very clear in their practice of maintaining a mild and effective detergent without all the additives.

Amount of Detergent - see label on bottle or box of Ivory Snow for recommendation  
Washing Machine - Top or Front loading (front loading is preferred)  
Water Temperature -120 degrees Fahrenheit - COLD or WARM cycle, NOT hot)  
pH - controlled at the correct level by the detergent

Do NOT use prewash agents, fabric softeners nor extra cleaning agents such as Oxy-Clean, 30 Mule, Team, Borax, etc.

### Sequence of Washing

- 1) add water into washer
- 2) add Ivory Snow
- 3) then add garments

For additional questions about Ivory Snow, call Proctor and Gamble customer relations at 1-800-846-SNOW (1-800-846-7669) or visit [www.pureivorysnow.com](http://www.pureivorysnow.com).

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Main washing at temperatures up to 40°C with a washing bath relation of 1:10.

**RINSING:** After washing PPE shall be rinsed carefully in order to delete all remains of alkaline and/or possibly flammable residues of the detergent. 2-3 rinsing cycles may be necessary.

**DRYING:** Garments may be spin-dried and dried in a cylinder drying machine with low or normal temperatures until a remaining humidity of 10-20%.



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**IRONING:** Garments may be ironed with the highest temperature (3 points) without steam.

### DRY (CHEMICAL) CLEANING:

Chemical drying is recommended when clothing became very dirty by e.g. oil or grease.

Dry cleaning shall be done according to the care labelling by usual 2-bath procedure.

Boosters should only be used in extreme situations and only with reduced mechanism.

Dry cleaning shall only be executed by experts.

Before PPE is re-used it shall be completely free of solvents. Therefore the clothing should ventilate at least for one day after being cleaned.

**Please follow the instructions on the care label which is sewn inside of the PPE.**

## MAINTENANCE

All garments should be returned to the manufacturer to insure that the repairs are done properly. It is important that damaged fabric be repaired or replaced with same fabric and that all stitching be done with FR threads. Repairs done with other fabrics or flammable fabrics would likely negatively impact the protection offered by the garments.

## DISPOSAL

These garments are not hazardous waste and therefore may be disposed either on dumps or in destructor stations. Contaminated clothing, however, may be hazardous waste depending on the type of contamination. When properly cleaned, removed PPE may be recycled.

If there are any further questions regarding use or maintenance of our PPE, please do not hesitate to contact us.

If there are any questions regarding any of this information, please contact your supervisor, safety officer or contact Oberon Technical Support.



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