

USER INSTRUCTION, SAFETY AND TRAINING GUIDE



LION ERS Glove System

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Overglove



GORE® CHEMPAK®
Ultra Barrier Glove Liner



DANGER

You **MUST** read this Guide and all Safety, Cleaning, and Information labels before wearing.

WARNING

You **MUST** wear the glove liner and the overglove together at all times for NFPA 1994 Class 3 and NFPA 1992 protection (as contained in NFPA 1990).

Element Summary

The LION ERS Glove System shall consist of the GORE® CHEMPAK® G94-C3L liner and ANSELL HYFlex 11-801 overglove that shall be worn with the LION ERS garment.

This guide is intended only as a SUPPLEMENT to the ERS User Instruction, Safety and Training Guide.

- You **MUST** read the ERS User Instruction, Safety and Training Guide and all Ensemble element and garment warning/danger labels before wearing.
- If this guide is separated from the Ensemble, return the guide to authorities responsible for care, maintenance and training.

1. USE INSTRUCTIONS

LINER

The liner glove is sewn to the limited use Ensemble and is sized according to the Ensemble sizing. See the Ensemble User Instruction, Safety and Training Guide.

OVERGLOVE

The overglove must always be worn over the attached glove and is sized according to the size of your garment and accommodates a wide variety of hand sizes. Replace overglove after any signs of wear.

2. PRE-USE INFORMATION

- (a) Safety Considerations: Complete Safety Checklists and review Safety Considerations in Ensemble User Instruction, Safety and Training Guide.
- (b) Limitations of Use: This GLOVE ELEMENT provides LIMITED protection against liquid and gaseous chemicals, cut, puncture, bodily fluids, particulate environments and adverse weather.
 - This NFPA 1994 Class 3 Glove Element has ONLY been certified to the chemicals identified in the NFPA 1994 and NFPA 1992 Standards (as contained in NFPA 1990). The Glove Element has NOT been certified for ANY OTHER chemicals or hazardous materials. Glove Element is NOT intended for firefighting.
 - You must have special training to safely use this Glove Element.
 - You must wear both Glove Liner and Overglove together at all times for NFPA 1994 and NFPA 1992 protection (as contained in NFPA 1990).
- (c) Element Marking Recommendations:
 - Use of the Glove Element should be included in the tracking and marking of number of Ensemble uses. (See the Ensemble User Instruction, Safety and Training Guide.) Do not mark directly on your liner glove as this may damage the protective barrier.
 - For marking an individual's name, or other identifying mark, an indelible laundry marker may be used in a blank space on a label inside the garment or glove.
- (d) Warning: Most performance properties of the Glove Element cannot be tested by the user in the field.
- (e) Recommended Undergarments: Wearing thin, perspiration absorbent cotton glove linings is permitted.

- (f) Recommended Storage Practices and Shelf-Life: Store Glove Element with the garment away from extreme heat and sunlight. Simulated aging experiments (110°C/230°F four (4) days) showed little or no degradation in physical or barrier properties. This simulation predicts shelf life of the Glove Element in excess of fifteen (15) years under ambient conditions (25°C/77°F).
- (g) Warranty Information: See Ensemble User Instruction, Safety and Training Guide for warranty and limitations.

! DANGER

DO NOT use these Gloves for the following:

- NFPA 1991 or NFPA 1994 Class 1 and/or 2 Hazardous Materials Emergency Operations.
- Protection against ALL hazardous radiological, nuclear agents or radiological particulate terrorism agents.
- Activities requiring direct contact with flames, heat or molten metal, contact with electrical wires or other sources of electricity.

3. PURPOSE AND LIMITATIONS OF YOUR ENSEMBLE

This glove system is designed to provide LIMITED protection to the hands and wrists when used with the LION ERS Ensemble against hazards to Emergency Responders involved in Hazardous Materials Emergencies including:

- Limited protection against radiological particulate environments.
- Limited protection against vaporous and liquid chemical/biological terrorism agents (dual use industrial chemicals, chemical terrorism agents or biological terrorism agents).
- Limited protection against penetration by blood and body fluids.
- Limited protection against physical puncture and abrasion.
- Limited protection against exposure to adverse weather.

SEE SEPARATE TECHNICAL DATA PACKAGE FOR LISTING OF CHEMICALS FROM WHICH THIS ENSEMBLE PROVIDES PROTECTION.

! WARNING

- Do not alter your gloves in any way. Changes to the gloves may increase your risk of injury or death.
- Do not mark directly on your liner glove as this may damage the protective barrier.

! WARNING

Liner and Overglove must be worn TOGETHER AT ALL TIMES.

! CAUTION

Most performance properties of the Gloves and their components cannot be tested by the user in the field.

4. INSPECTION

Frequency and Details: The Glove Element should be inspected after each use. Inspect for cut, puncture or abrasion marks and discard/replace if observed. See Ensemble User, Instruction, Safety and Training Guide.

WARNING

Protective properties in a new compliant Garment and Gloves will diminish as the product is worn and ages. To reduce the risk of injuries, you **MUST** follow the recommendations in this Guide for inspection and retirement of your Ensemble and Ensemble Elements to ensure that the Ensemble or Ensemble Element is not used past its Useful Life.

5. DON AND DOFF

- (a) Sizing: Both the liner glove and overglove are sized according to the size of your garment and accommodate a wide variety of sizes. The Glove should extend down to your finger crotches without excessive material at the fingertips. The palm and finger width should feel snug but not constrain when gripping or making a fist. The sizing label attached to the liner contains the designated L (Left Hand) or R (Right Hand).
- (b) Interface Issues: See Ensemble User Instruction, Safety and Training Guide for Glove Liner and Ensemble Sleeve Interface assembly procedures. It is unsafe to not use the Interface assembly properly. Do not invert attached gloves.
- (c) Donning Procedure:
 - See User Instruction Safety and Training Guide for Ensemble Donning.
 - Slide upper half of garment over shoulders, insert arms into sleeves and your hands into the attached gloves.
 - Follow the additional steps for donning your Ensemble.
 - Don the overgloves over the inner gloves. Ensure that the overgloves are over the exterior of the sleeves.
- (d) Doffing Procedure:
 - Remove the overgloves and follow the other steps in Ensemble doffing procedure.
 - Remove hands from gloves.
 - Invert sleeves as you pull your hands and arms out of the garment. **Do not** invert the attached gloves
 - During and after doffing, always look for signs of chemicals, body fluids or other contamination, and for signs of wear and damage.

Always use your NFPA 1994 Class 3 and NFPA 1992 (as contained in NFPA 1990)

Protective clothing properly and in a manner consistent with the following:

- The Authority Having Jurisdiction's standard operating procedures;
- NFPA 1500, Standard on Fire Department Occupational Safety and Health Program;
- NFPA 1581, Standard on Fire Department Infection Control Program;
- Title 29, Code of Federal Regulations (CFR), Part 1910.132 "General Requirements of Sub Part I, Personal Protective Equipment"; and
- Title 29, CFR 1910.1030, "Protecting Healthcare Workers from Occupational Exposure to Bloodborne Pathogens".

Users outside the U.S. should consult national or other applicable personal protective equipment regulations. See Ensemble [Instruction, Safety and Training User Guide](#).

6. CARE INSTRUCTIONS

The outside of the overglove and liner may be washed while the product is being worn. Simply hand wash the outside with mild soap and water similar to washing your hands. Rinse with clean water. Always dry the glove system slowly and away from places of extreme heat (e.g., out of sunlight, hot radiators, stoves, fire boxes, etc.).

For care instructions for the liner gloves after use, see Section 11 Washing, Decontamination, and Disinfection of the [User Instruction, Safety and Training Guide](#) for the ERS Ensemble.

Note: Do not build-up pressure by squeezing the liner while it is filled with water or cleaning solution; such pressure can damage the liner.

The overglove may be cleaned with a cleaning solution with a pH greater than 6.0 and less than 10.5. Many household detergents fall within this range. Immerse the entire glove in the cleaning solution for 30 seconds, next stir while the glove remains in the solution for 10 more seconds and then let it set still for an additional 30 seconds. Rinse with water after treatment. Squeeze out excess water and allow to air dry.

WARNING

Do not use for protection after GORE® CHEMPAK® G94-C3L liner and ANSELL HYFlex 11-801 overglove has been exposed to decontamination agents containing Hydrogen Peroxide. Request GORE® tech service report #035 for details.

MAINTENANCE AND CLEANING

- (a) Do not use Glove Elements that are not thoroughly cleaned and dried.
- (b) Do not reuse Glove Elements that have been exposed to Hazardous Materials, even after decontamination. See Section 11.1 of Ensemble User Instruction, Safety and Training Guide.
- (c) Cleaning Procedure: Refer to Use/Care Instructions included in this booklet. See Ensemble User Instruction, Safety and Training Guide.
- (d) Repair Methods: DO NOT ATTEMPT TO REPAIR your NFPA 1994 and NFPA 1992 Ensemble or liner gloves. Contact LION at (800) 421-2926 if any part of your Ensemble requires repair. If only your overgloves show damage, they should be discarded and replaced. Contact LION at (800) 421-2926 or customersupport@lionprotects.com.
- (e) Decontamination Procedures for Chemical and Biological: See ENSEMBLE User Instruction, Safety and Training Guide, Section 11 and your Safety Officer. After removing the overglove and thoroughly rinsing the Glove Element Liner, follow recommended decontamination procedures using recommended fluids.
- (f) Do not use for protection after GORE® CHEMPAK® G94-C3L Liner Glove has been exposed to decontamination agents containing Hydrogen Peroxide. Request Tech Service Report #035 for details.
- (g) Retirement and Disposal Criteria: Glove Element should be retired and replaced if damaged (see #4 “Inspection”).

7. STORAGE

Store, clean and dry overgloves with your Ensemble. Refer to the Ensemble User Instruction, Safety and Training Guide for storage of your Ensemble.

8. RETIREMENT

You must follow the Retirement Guidelines for your Ensemble in regard to your attached liner gloves. See Section 14 of your Ensemble User Instruction, Safety and Training Guide. Your ANSELL HYFLEX 11-901 overgloves should be retired, disposed of and replaced when showing any signs of wear or contamination.

Trained professionals with in-depth knowledge of Ensembles and their limitations should handle the details of a retirement program. If you have any questions about the useful life and retirement of your NFPA 1994 Class 3 and NFPA 1992 (as contained in NFPA 1990) Compliant Ensemble, get assistance before wearing your Ensemble into any chemical/biological incident!

WARNING

No products, including garments, footwear, or handwear, can offer absolute protection, even when new, and their protective performance will decline with wear, tear, abrasion and other damage associated with use. W.L. Gore and Associates, Inc. and LION First Responder PPE, Inc. make no guarantee of how the product will perform in actual use.

9. DISPOSAL

You must identify a retired glove and store it separately from active-duty gloves or destroy them to prevent unauthorized or mistaken use. Cut the gloves into several pieces and dispose of them properly. Two suggested methods of disposal are a landfill or incineration.

You should place retired gloves that are contaminated with chemicals or bloodborne pathogens in a plastic bag and properly dispose of them. You should follow federal, state, and local regulations governing disposal of contaminated materials.

WARNING

Use of any retired Ensembles in hazardous situations could result in serious injury or death. Clearly-marked retired uncontaminated Ensembles can only be used for non-hazardous training situations.

PERSONAL RESPONSIBILITY CODE



The member companies of FEMSA that provide emergency response equipment and services want responders to know and understand the following:

1. Firefighting and Emergency Response are inherently dangerous activities requiring proper training in their hazards and the use of extreme caution at all times.
2. It is your responsibility to read and understand any user's instructions, including purpose and limitations, provided with any piece of equipment you may be called on to use.
3. It is your responsibility to know that you have been properly trained in Firefighting and/or Emergency Response and in the use, precautions and care of any equipment you may be called upon to use.
4. It is your responsibility to be in proper physical condition and to maintain the personal skill level required to operate any equipment you may be called upon to use.
5. It is your responsibility to know that your equipment is in operable condition and has been maintained in accordance with the manufacturer's instructions.
6. Failure to follow these guidelines may result in death, burns, injury, diseases, and illnesses.



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