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Fire & Rescue Division Hazardous Materials Section

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NFPA CHEMICAL PROTECTIVE CLOTHING LABELING REQUIREMENTS for INDUSTRIAL SUBSTANCES

During a typical Haz-Mat Team Typing inspection, the inspection team will look and examine chemical protective clothing ensembles and individual items to assure they meet minimum NFPA CPC Standards and requirements applicable to the Type 1, Type 2, or Type 3 inventory requirements. Further, the inspection team will verify that the CPC have certifying labeling attached. If there is no certifying labeling attached, the garment, ensemble, or individual item in all likelihood will not be found acceptable.

This bulletin is provided with information we hope will be helpful in assuring that CPC ensembles and individual items being considered for purchase do indeed meet labeling criteria and will pass inspection.

Ensemble Label Requirements:

The National Fire Protection Association (NFPA) mandates in their Standards # 1991, 1992, and 1994 that ensembles meeting the testing criteria of a specified standard must have a certifying label attached to the inside of the certified suit ensemble. There are no exceptions. Typical NFPA wording excerpted from these standards reads in-part as follows:

NFPA Label Requirements:

Standard # 1991:

Actual NFPA wording excerpted from Standard 1991 mandating that the label *must be permanently attached* on each garment is shown on the right → → →

Chapter 5 Labeling and Information

5.1 Product Label Requirements.

5.1.1 General.

5.1.1.1 Each vapor protective ensemble shall have a product label permanently and conspicuously attached to the innermost surface of the ensemble when the ensemble is properly assembled with all layers, components, and parts in place.

5.1.1.2 Each glove and footwear element shall have a product label attached to the element, or printed upon or inserted in the smallest unit of packaging of that element.

NFPA Label Requirements:

Standard # 1992:

Actual NFPA wording
excerpted from Standard
1992 mandating that the label
must be permanently
attached on each garment is
shown on the right → → →

Chapter 5 Labeling and Information

5.1 Product Label Requirements.

5.1.1 General.

5.1.1.1* Each liquid splash-protective garment element and item shall have a product label permanently and conspicuously attached to or printed on each garment when the garment is properly assembled with all layers, components, and component parts in place.

5.1.1.2 Each liquid splash-protective glove element and item shall have a product label permanently and conspicuously attached to or printed on the top outside of the gauntlet of each glove piece when the glove is properly assembled with all layers, components, and component parts in place.

NFPA Label Requirements:

Standard # 1994:

Actual NFPA wording
excerpted from Standard
1994 mandating that the label
must be permanently
attached on each garment is
shown on the right → → →

Chapter 5 Labeling and Information

5.1 Product Labeling Requirements.

5.1.1 General.

5.1.1.1 Each protective ensemble shall have a product label permanently and conspicuously attached to, embossed on, or printed on each separable garment element of the ensemble when the ensemble is properly assembled with all layers, components, and component parts in place.

5.1.1.2 Each glove element shall have a product label permanently and conspicuously attached to, embossed on, or printed on the top outside of the gauntlet of each glove piece when the glove is properly assembled with all layers, components, and component parts in place. In place of the product label being affixed to the glove, the product label shall be permitted to be attached to, printed on, or inserted into each package containing one or more pairs of gloves.

Therefore, all NFPA 1991, 1992, and 1994 compliant garments that have been certified by UL or SEI as having met the testing criteria of the specified NFPA Standard MUST have a label attached as explained above.

Certifying Label Text:

Specific language must be contained in the label. The exact text is specified within each of the NFPA 1991, 1992, and 1994 Standards documents. Typical NFPA mandated text showing exactly how the attached label should be worded is excerpted from each of these three NFPA standards and are displayed below. For more information, please review Chapter 5 of the specified NFPA Standard.

Label Statement:

Standard # 1991:

Actual NFPA wording
excerpted from Standard
1991 regarding *the exact text*
that must be contained in the
label reads in-part as shown
on the right → → →

5.1.2 Ensemble Compliance Statements.

5.1.2.1 Each vapor-protective ensemble shall have at least the following compliance statement and information on the product label.

“THIS VAPOR-PROTECTIVE ENSEMBLE MEETS THE REQUIREMENTS OF NFPA 1991, STANDARD ON VAPOR-PROTECTIVE ENSEMBLES FOR HAZARDOUS MATERIALS EMERGENCIES, 2005 EDITION, AND ANY ADDITIONAL REQUIREMENTS NOTED BELOW.

THE TECHNICAL DATA PACKAGE CONTAINS INFORMATION ON CHEMICALS AND SPECIFIC CHEMICAL MIXTURES FOR WHICH THIS ENSEMBLE IS CERTIFIED. CONSULT TECHNICAL DATA PACKAGE AND MANUFACTURER’S INSTRUCTIONS BEFORE USE. DO NOT REMOVE THIS LABEL.”

ADDITIONAL REQUIREMENTS	YES	NO
<i>LIMITED</i> CHEMICAL FLASH FIRE PROTECTION <i>FOR ESCAPE ONLY</i> IN THE EVENT OF A CHEMICAL FLASH FIRE		
LIQUEFIED GAS PROTECTION		

Label Statement:

Standard # 1992:

Actual NFPA wording
excerpted from Standard
1992 regarding *the exact text*
that must be contained in the
label reads in-part as shown
on the right → → →

5.1.2 Garment Element and Item Compliance Statements.

5.1.2.1 Each liquid splash-protective garment shall have at least the following compliance statements and information on the product label:

“THIS LIQUID SPLASH-PROTECTIVE GARMENT MEETS THE BASIC REQUIREMENTS OF NFPA 1992, STANDARD ON LIQUID SPLASH-PROTECTIVE ENSEMBLES AND CLOTHING FOR HAZARDOUS MATERIALS EMERGENCIES, 2005 EDITION, AND FOR THE ADDITIONAL REQUIREMENT IF INDICATED BELOW.

ADDITIONAL REQUIREMENT	YES	NO
<i>LIMITED</i> CHEMICAL FLASH FIRE PROTECTION <i>FOR ESCAPE ONLY</i> IN THE EVENT OF A CHEMICAL FLASH FIRE		

Label Statement:

Standard # 1994:

Actual NFPA wording excerpted from Standard 1994 regarding *the exact text* that must be contained in the label reads in-part as shown on the right → → →


5.1.2 Ensemble Compliance Statements.

5.1.2.1 Each protective ensemble shall have at least the following compliance statement on the product label. All letters shall be at least 2.5 mm (3/32 in.) high. The appropriate numeral for the class of the ensemble, 2, 3, or 4, and the appropriate term for the type of ensemble, *encapsulating* or *non-encapsulating*, shall be inserted where indicated in the label text.

“THIS CLASS (insert 2, 3, or 4 here) (insert ENCAPSULATING or NON-ENCAPSULATING here) CBRN PROTECTIVE ENSEMBLE MEETS THE REQUIREMENTS OF NFPA 1994, STANDARD ON PROTECTIVE ENSEMBLES FOR FIRST RESPONDERS TO CBRN TERRORISM INCIDENTS, 2007 EDITION, FOR THE ABOVE-NOTED CLASS. DO NOT REMOVE THIS LABEL.”

Example Label:

A facsimile of a typical label is shown to the right, and essentially must contain the wordage as displayed and explained. For more information regarding NFPA labeling requirements, please refer to the appropriate chapter (usually Chapter Five) in the respective NFPA standard.

NFPA 1991 CERTIFIED VAPOR PROTECTIVE SUIT  Cert. Mod. (NFPA)

MODEL # TRELLCHEM®VPS Size XXL.

SERIAL # 408861.

DATE OF COMPLIANCE TESTING TO ASTM F 1052 / 2007-06-07.
DATE OF MANUFACTURE

GARMENT MATERIAL: TRELLCHEM® VPS
VISOR MATERIAL: 2 MM HIGH IMPACT PVC
GLOVE: KEVLAR OUTER GLOVE / RUBBER GLOVE / MULTILAYER INNER GLOVE
FOOTWEAR ITEM: TRELLCHEM® VPS SOCK

THIS VAPOR PROTECTIVE ENSEMBLE MEETS THE BASIC REQUIREMENTS OF NFPA 1991, STANDARD ON VAPOR-PROTECTIVE ENSEMBLES FOR HAZARDOUS MATERIALS EMERGENCIES, 2005 EDITION, AND ANY ADDITIONAL REQUIREMENTS AS NOTED BELOW.
THE TECHNICAL DATA PACKAGE CONTAINS INFORMATION ON CHEMICALS AND SPECIFIC CHEMICAL MIXTURES FOR WHICH THIS ENSEMBLE IS CERTIFIED. CONSULT TECHNICAL DATA PACKAGE AND MANUFACTURER'S INSTRUCTIONS BEFORE USE.

DO NOT REMOVE THIS LABEL.

ADDITIONAL REQUIREMENTS	YES	NO
LIMITED CHEMICAL FLASH FIRE PROTECTION FOR ESCAPE ONLY IN THE EVENT OF A CHEMICAL FLASH FIRE		x
LIQUEFIED GAS PROTECTION		x

FOR COMPLIANCE WITH NFPA 1991, THE FOLLOWING COMPONENTS MUST BE WORN IN CONJUNCTION WITH THIS VAPOR-PROTECTIVE ENSEMBLE:
PERFECT FIT KV18AJTC KEVLAR OVER GLOVE
ONGUARD HAZMAX 87012 SAFETY BOOTS

TRELLBORG PROTECTIVE PRODUCTS AB, P O BOX 1520, S-271 00 YSTAD, SWEDEN.
MADE IN SWEDEN