



Designation: **F1301 – 90 (Reapproved 2011)^{ε1} F1301 – 17**

Standard Practice for Labeling Chemical Protective Clothing¹

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^{ε1} NOTE—Editorially revised referenced document in 2.1 and 4.2.3 in February 2011.

INTRODUCTION

This practice is intended to provide guidance on the minimum label information for chemical protective clothing.

1. Scope

1.1 This practice covers the informational content of labels in or on chemical protective clothing. This practice also addresses putting label content on chemical protective clothing packaging when it is not practical to attach the label directly to the chemical protective clothing or print it on the chemical protective clothing item based on the size or type of the product.

1.2 This practice details the recommended format and minimal content of the information to be included on the labels used for chemical protective clothing.

1.2 Protective clothing is defined as any single item or combination of items used for the purpose of isolating parts of the body from direct contact with a potential hazard. It does not include individual parts of a protective clothing item designed to be worn as part of another item (for example, a faceshield or lens) unless it may be worn independently of the other items and still be used in a protective manner. For example, a glove or boot unless permanently attached would be considered a protective clothing item requiring labeling, while a visor or vent valve would not. In summary, the intent of this practice is to only require labeling of parts of an ensemble that can be used independently for the protection of the user. This practice describes the recommended format and minimal content of the information to be included on the labels used for chemical protective clothing.

1.2.1 For the purposes of this practice, chemical protective clothing includes but is not limited to: suits, garments, and partial body garments such as hoods, aprons, sleeve protectors, gloves, and footwear.

1.2.2 Protective clothing is defined as any single item or combination of items used for the purpose of isolating parts of the body from direct contact with a potential hazard. It does not include individual parts of a protective clothing item designed to be worn as part of another item (for example, a faceshield or lens) unless it may be worn independently of the other items and still be used in a protective manner. For example, a glove or boot, unless permanently attached to a garment or suit, would be considered a protective clothing item requiring labeling, while a visor or vent valve would not. In summary, the intent of this practice is to only require labeling of parts of an ensemble that can be used independently for the protection of the user.

1.3 This practice does not cover user information provided by means other than item labeling such as instructions, informational packets, brochures, or other written means. User information is partly addressed in Practice F2061.

1.4 This practice excludes those items covered under 16 CFR 303 unless specifically designed for use as chemical protective clothing.

1.5 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety, health, and ~~health~~environmental practices and determine the applicability of regulatory limitations prior to use.*

1.6 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

¹ This practice is under the jurisdiction of ASTM Committee F23 on Personal Protective Clothing and Equipment and is the direct responsibility of Subcommittee F23.30 on Chemicals.

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2. Referenced Documents

~~2.1 ANSI Standards:~~

~~ANSI/ISEA 101-1996 (2008) Standard for Limited-Use and Disposable Coveralls—Size and Labeling Requirements²~~

~~2.1 ASTM Standards:²~~

~~F2061 Practice for Chemical Protective Clothing: Wearing, Care, and Maintenance Instructions~~

~~2.2 U.S. Code of Federal Regulation: Regulations:³~~

~~16 CFR 303 Textile Fiber Products Identification Act~~

3. Significance and Use

3.1 *General*—This practice contains the recommendations for minimal informational requirements for the identification of chemical protective clothing items. It is intended to provide the user with some of the basic information necessary for the proper selection and use of the chemical protective clothing when comparing resistance data derived from ASTM performance testing clothing.

3.2 For some items of chemical protective clothing, such as disposable chemical protective gloves, it is recognized that it is not practical that the labeling information be provided directly on the product. Therefore, it is permissible that this information be provided on the direct packaging that contains the product. As an example, it is possible to put the recommended product information on the dispenser box that contains multiple pairs of disposable chemical protective gloves.

3.3 Additional information beyond the content recommended by this practice is permitted to be applied to the label. This additional label content can include statements indicating compliance with specific standards, warnings, limitations associated with the product, and certain types of use, care, and maintenance information as addressed in Practice F2061.

3.4 Rules and regulations in Title 16 Code of Federal Regulations Part 303 cover the identification of fibers in textile products, specifically the disclosure of the fiber content and the manner of labeling products for purposes of applying tariffs on imported products and for informing the consumer. This practice is not intended to be a replacement for the requirements in 16 CFR 303, which may still apply to certain types of chemical protective clothing.

4. Minimal Informational Requirements

4.1 The minimum informational requirements for labeling of chemical protective clothing include an identification of the item, the manufacturer's manufacturer's or distributor's name, base composition information distributor's name, information on the base composition of the item (material of construction), and size.

4.2 The following details label elements represent the minimum requirements:

4.2.1 *Identification*—The Provide the name or trade name, style number, or other descriptions description for the item (such as catalog number, etc.).

4.2.2 *Manufacturers Manufacturer's or Distributors Distributor's Name*—The Provide the name of the manufacturer or distributor of the item. The provision of the manufacturer's address, including country of manufacture or contact information, is considered optional but is recommended.

4.2.3 *Base Material Composition*—Provide the primary material composition of the clothing item in terms of the material or polymer type (for example, butyl rubber or flash-spun polyester). Generic names identifying the material are preferred, but specific material trade names are also permitted.

4.2.3.1 Where the clothing composition includes multiple materials used in its construction, identify each major material separately.

4.2.3.2 If the clothing item is of a multilayered construction, identify the outer layer first followed by inner layers.

4.2.3.3 If the base material involves a blend of different materials, identify the component materials in order of highest percentage components first.

4.2.3.4 If the base material includes multiple material composites or coatings, identify the individual layers from the exterior to the interior of the specific material. For example, for a coated material with a coating on the exterior, the material would be identified as PVC/polyester.

4.2.4 *Base Composition and Size*—The barrier composition of the garment or item (it is suggested that the generic or common terms for base composition be provided) and manufacturers size designation. If of multilayered construction, the largest percentage of barrier composition or trade name for the complete composition can be shown. However, it is suggested that all composition elements be noted. The sizing should be the manufacturers size designation in either a category (for example, Large) or Indicate clothing item sizing using the manufacturer's size designation using a standard sizing system (for example, small, medium, large).

² Available from American National For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For Annual Book of ASTM Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>; volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from U.S. Government Printing Office Superintendent of Documents, 732 N. Capitol St., NW, Mail Stop: SDE, Washington, DC 20401, <http://www.access.gpo.gov>.