



Designation: **F2061 – 12 F2061 – 17**

Standard Practice for Chemical Protective Clothing: Wearing, Care, and Maintenance Instructions¹

This standard is issued under the fixed designation F2061; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ϵ) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This practice describes the recommended minimum information to be conveyed by the manufacturers or sellers to buyers or end users for the wearing, care, and maintenance of chemical protective clothing.

1.1.1 This practice does not cover specific instructions for how to select and when to use protective clothing or design requirements.

1.1.2 This practice does not apply to protective clothing that is solely intended for protection against flame and thermal hazards.

1.2 Information provided by this practice aids organizations that select and use chemical protective clothing in their implementation of requirements established in Sections 10 and 11 of Practice F1461.

1.3 *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.*

~~1.3 This practice recommends the minimum information needed to properly implement Sections 10 and 11 of Practice F1461.~~

1.4 *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.*

2. Referenced Documents

2.1 *ASTM Standards:*²

[D5489 Guide for Care Symbols for Care Instructions on Textile Products](#)

[F1301 Practice for Labeling Chemical Protective Clothing](#)

[F1461 Practice for Chemical Protective Clothing Program F2061-17](#)

[F1494 Terminology Relating to Protective Clothing 81bb45c6-88bf-4497-901c-d6c598711a21/astm-f2061-17](#)

2.2 *ANSI Standard:*³

[Z535.4 Standard for Product Safety Signs and Labels, 1991](#)

3. Terminology

~~3.1 *care, n*—procedures for cleaning, sterilization, decontamination, and storage of protective clothing.~~

3.1 For definitions of terms used in this practice related to protective clothing, refer to Terminology [F1494](#).

~~3.2 *contamination, n*—the addition of an undesired chemical or substance to the protective clothing.~~

3.2 *Definitions:*

3.2.1 *care, n*—procedures for cleaning, sterilization, decontamination, and storage of protective clothing.

3.2.2 *contamination, n*—the addition of an undesired chemical or substance to the protective clothing.

3.2.3 *decontamination, n*—the reduction, removal, or neutralization of a contaminant or contaminants from protective clothing to the extent necessary to safely permit the protective clothing to be doffed (taken off), reused, or discarded.

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 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* volume information, refer to the standard's Document Summary page on the ASTM website.

³ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, [http://www.ansi.org](#).

3.2.4 degradation, n—a deleterious change in one or more properties of a material.

3.2.5 disinfection, n—a process that uses a type of antimicrobial agent that destroys or irreversibly inactivates fungi and bacteria, but not necessarily their spore, on inanimate surfaces and objects.

3.2.5.1 Discussion—

Disinfectants such as antimicrobial agents are considered pesticides and are subject to regulations established by the U.S. Environmental Protective Agency.

3.2.6 end user, n—the entity or organization whose employees ultimately wear the protective clothing.

3.2.7 maintenance, n—procedures for inspection, service, and repair of protective clothing, including the determination for removal from service.

3.2.8 manufacturer, n—the entity that directs and controls any of the following: protective clothing design, protective clothing manufacturing, or protective clothing quality assurance; or the entity that assumes the liability for the protective clothing or provides the warranty for the protective clothing.

3.2.9 protective clothing, n—an item of clothing that is specifically designed and constructed for the intended purpose of isolating all or part of the body from a potential hazard; or isolating the external environment from contamination by the wearer of the clothing.

3.2.9.1 Discussion—

For the purpose of this guide, the applicable protective clothing is principally intended to provide protection from chemicals and other hazardous substances.

3.2.10 sanitization, n—a process that uses a type of antimicrobial agent that reduces, but not necessarily eliminates, microorganisms from the inanimate environment to levels considered safe as determined by public health codes or regulations.

3.2.10.1 Discussion—

Sanitizers are considered pesticides and are subject to regulations established by the U.S. Environmental Protection Agency. In general, a sanitizer is judged effective when it reduces the number of microorganisms by 99.9 % under specified testing conditions.

3.2.11 storage life, n—the length of time that protective clothing can remain in storage, presuming that the protective clothing has undergone proper care and maintenance in accordance with the manufacturer’s instructions but has not been used either in training or at actual incidents.

3.2.12 wearing instructions, n—procedures for donning, doffing, fitting, and adjusting protective clothing and preparing protective clothing for use.

3.3 decontamination, n—the reduction, removal, or neutralization of contaminant or contaminants from protective clothing to the extent necessary to safely permit the protective clothing to be doffed (taken off), or reused, or discarded.

3.4 degradation, n—a deleterious change in one or more properties of a material.

3.5 end user, n—the entity or organization whose employees ultimately wear the protective clothing.

3.6 maintenance, n—procedures for inspection, repair, and removal from service of protective clothing.

3.7 protective clothing, n—an item of clothing that is specifically designed and constructed for the intended purpose of isolating all or part of the body from a potential hazard; or isolating the external environment from contamination by the wearer of the clothing.

3.8 wearing, n—procedures for donning, doffing, fitting, and adjusting protective clothing and preparing protective clothing for use.

4. Significance and Use

4.1 This practice describes the minimum information to be provided by the manufacturer or seller to the buyer or end user related to the wearing, care, and maintenance of chemical protective clothing. Adherence to this practice allows written information to be provided with the protective clothing to purchasers by means of labels, labels (such as labels complying with Practice F1301), pamphlets, or other documents.

4.2 Not every element of this practice may be applicable to all chemical protective clothing components or configurations. It is the seller’s—manufacturer’s or seller’s responsibility to determine which portions of this practice, and the corresponding