

MIL-G-2874E  
 1 July 1987  


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 SUPERSEDING  
 MIL-G-2874D(NU)  
 21 January 1982

MILITARY SPECIFICATION  
 GLOVES, ANTI-FLASH, FLAME RESISTANT

This specification is approved for use by all Departments and Agencies of the Department of Defense.

1. SCOPE

1.1 Scope. This specification covers the requirements for cotton flame resistant anti-flash gloves, of one type and size only.

2. APPLICABLE DOCUMENTS

2.1 Government documents.

2.1.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation.

SPECIFICATIONS

FEDERAL

JJ-W-155	- Webbing, Textile (Cotton, Elastic)
NN-P-71	- Pallet, Material, Handling, Wood Stringer Construction, 2-Way and 4-Way (Partial)
DDD-L-20	- Label; For Clothing, Equipage, and Tentage (General Use)

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Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Officer in Charge, Navy Clothing and Textile Research Facility, 21 Strathmore Road, Natick, MA 01760-2490 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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AMSC N/A

FSC 8415

DISTRIBUTION STATEMENT A. Approved for public release, distribution is unlimited.

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## MILITARY

- MIL-P-15011 - Pallet, Material Handling, Wood, Post Construction, 4-Way Entry
- MIL-B-17757 - Boxes, Shipping, Fiberboard (Modular Sizes)
- MIL-C-24933 - Cloth, Flannel, Cotton (Flame Retardant Treated)
- MIL-T-43548 - Thread, Polyester Core: Cotton-, Rayon-, or Polyester Covered

## STANDARDS

## FEDERAL

- FED-STD-751 - Stitches, Seams, and Stitching

## MILITARY

- MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes
- MIL-STD-129 - Marking for Shipment and Storage
- MIL-STD-147 - Palletization Unit Loads

(Copies of specifications, standards, drawings, and publications required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.1.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this specification to the extent specified herein. Unless otherwise specified, the issues shall be those in effect on the date of the solicitation.

## LAWS AND REGULATIONS

## US POSTAL SERVICE MANUAL

(Copies of the manual may be obtained from the Superintendent of Documents, US Government Printing Office, Washington, DC 20420).

2.2 Other publications. The following document(s) form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted shall be those listed in the issue of the DODISS specified in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS shall be the issue of the nongovernment documents which is current on the date of the solicitation.

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NATIONAL MOTOR FREIGHT TRAFFIC ASSOCIATION, INC., AGENT

National Motor Freight Classification

(Applications for copies should be addressed to the American Trucking Association, ATTN: Traffic Department, 1616 P Street, N.W., Washington, DC 20036).

UNIFORM CLASSIFICATION COMMITTEE, AGENT

Uniform Freight Classification

(Applications for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Plaza, Chicago, Illinois 60606).

2.3 Order of precedence. In the event of a conflict between the text of this specification and the references cited herein, the text of this specification shall take precedence. Nothing in this specification however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

3. REQUIREMENTS

3.1 Guide sample. Samples, when furnished, are solely for guidance and information to the contractor (see 6.3). Variations from this specification may appear in the sample in which case this specification shall govern.

3.2 First article. When specified, the contractor shall furnish sample unit(s) for first article inspection and approval (see 4.3 and 6.2).

3.3 Material.

3.3.1 Basic material. The basic material used for the gloves shall be cotton flannel cloth, flame retardant treated conforming to MIL-C-24933.

3.3.2 Braid, elastic. The elastic braid used for the wrist and elbow take-up on the gauntlet portion of the gloves shall be cotton, conforming to type II, class 2 (unbleached or bleached white) of JJ-W-155.

3.3.3 Thread. The thread for seaming and stitching the gloves shall be cotton or rayon covered polyester size 50 and 70, 2 or 3 ply, of MIL-T-43548, matching the unbleached basic cloth. The polyester core, polyester covered thread is not allowed.

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3.3.4 Label. Each glove shall be marked with a combination identification and instruction label, conforming to type III or IV, class 15, of DDD-L-20. The markings shall show fastness to accelerated laundering only. The label shall bear the following inscription:

GLOVES, ANTI-FLASH, FLAME RESISTANT  
CONTRACT NO. DLA-100-00-0-0000 (Example)  
STOCK NO: 8415-00-000-0000 (Example)  
FIBER CONTENT: 100% COTTON (Flame retardant treated)  
NAME OF CONTRACTOR:

LAUNDERING INSTRUCTIONS

Machine wash warm  
No starch, No bleach  
Tumble dry, medium heat

or

FOLLOW NAVEDTRA MANUAL 414-01-45-81  
FORMULA II

3.4 Design. The gloves shall be a cleft-cut pattern, with an attached one-piece elbow-length gauntlet gathered with elastic braid to provide for wrist and elbow take up (see Figure 1).

3.4.1 Figure 1. Figure 1 is furnished for information purposes only. To the extent of any inconsistencies between the written specification and the figure, the written specification shall govern.

3.5 Patterns. Standard patterns will be furnished by the Government to the contractor for use in cutting working patterns (see 6.3). The working patterns shall be identical to the Government patterns. The use of Government pattern parts is optional, however, the finished dimensions of the gloves shall conform to the requirements specified in 3.9.

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3.5.1 Pattern parts. The component parts of the gloves shall be cut from the basic material specified in 3.3.1, and in accordance with the following pattern parts required for the manufacturing process:

<u>Nomenclature of pattern parts</u>	<u>Cut parts per pair</u>
No. 2 finger	2
No. 3 finger	2
No. 4 finger	2
Thumb	2
Palm	2
Gauntlet	2

3.6 Construction.

3.6.1 Stitches, seams, and stitchings. Stitch, seam, and stitching types specified in table I shall conform to FED-STD-751. Whenever two or more methods for seam or stitch types are given for the same part of the operation, any one may be used. Where stitch type 401 is used, the looper (underthread) shall be on the inside of the glove.

3.6.2 Thread breaks and ends of seams. Ends of all seams and stitchings, when not caught in other seams or stitchings, shall be backtacked not less than 3/8 inch. The ends of a continuous line of stitching shall be overlapped not less than 1/2 inch. Thread breaks (all stitch types) shall be secured by stitching back of the break not less than 1/2 inch. Skipped stitches or thread breaks on 401 stitch type may be repaired by using 301 stitch type. The chain extension of 401 stitch type, shall be trimmed to 1/2 to 3/4 inch when not caught in other seams or stitchings.

3.6.3 Stitches per inch. The minimum and maximum number of stitches per inch shall be as specified in Table I.

3.7 Manufacturing operation requirements. The gloves shall be manufactured in accordance with operation requirements specified in Table I. The contractor is not required to follow the exact sequence of operations, provided that the finished gloves are identical to those produced by following the exact sequence of operations as listed in Table I.

3.7.1 Abbreviations in table of operations. The abbreviations used in table I are as follows:

Stch	-	Stitch
in	-	inch
Ndl	-	Needle
Bob	-	Bobbin
Lpr	-	Looper
Mchne	-	Machine
Brtck	-	Bartack
Comrcl	-	Commercial
smlr	-	similar
Btnhl	-	Buttonhole
incl	-	including
dbl	-	double
chnstch	-	chainstitch

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TABLE I. Construction of gloves

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD	
					NDL	BOB/ LPR
1.	<u>Cutting.</u>					
	a. Lay the basic material so that the lay is even and the plies are not stretched or full.					
	b. The component parts of the gloves shall be cut in strict accordance with patterns furnished when applicable (see 3.5), which show shape, directional lines for cutting, placement of component parts, and notches for proper assembly of all component parts.					
	c. The face side of the cotton flannel material shall be the unnaped side.					
	d. Cut the elastic braid specified in 3.3.2, 8 (+ 1/4) inches in length for the wrist and 11 (+ 1/4) inches in length for the elbow take up of gauntlet.					
	NOTE: The elastic braid does not need to be cut if applied in roll form, but the glove must meet measurements specified in Table II.					
2.	<u>Replacement of defective components.</u>					
	During the spreading, cutting, and manufacturing process, components having material defects or damages that are classified as defects in Section 4, shall be removed from production and replaced with non-defective and properly matched components.					
3.	<u>Marking.</u>					
	Mark, ticket, or bundle all component cut parts to insure proper assembly of the gloves.					
4.	<u>Assemble hand portion of gloves.</u>					
	a. Stitch the thumb piece to thumb section of palm face to face along the periphery of thumb, according to notches on pattern, 3/16 (+ 1/16) inch from the raw edge.	301 or 401	SSa-1	10-14	50 50	50 70
	b. Stitch the No.2 finger portion to the No. 3 finger portion face to face from the wrist edge to the finger crotch, according to notches on pattern, 3/16 (+ 1/16) inch from the raw edge.	301 or 401	SSa-1	10-14	50 50	50 70

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TABLE I. Construction of gloves

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD	
					NDL	BOB/ LPR
	c. Stitch the No. 3 finger portion to the No. 4 finger portion face to face from the wrist edge to the finger crotch, according to notches on pattern, $3/16$ ( $+ 1/16$ ) inch from the raw edge.	301 or 401	SSa-1	10-14	50 50	50 70
	d. Stitch the No. 2 finger portion to the first (index) finger portion of palm face to face from the wrist edge to the finger crotch, according to notches on pattern, $3/16$ ( $+ 1/16$ ) inch from the raw edge.	301 or 401	SSa-1	10-14	50 50	50 70
5.	<u>Attach gauntlet and elastic braids.</u>					
	a. Join gauntlet piece to hand portion of glove at wrist edge face to face, matching notches, and stitch $3/8$ ( $+ 1/16$ ) inch from the raw edge.	301 or 401	SSa-1	10-14	50 50	50 70
	b. Position fully extended elastic braid across the wrist to correspond with marks indicated on gauntlet pattern. Stitch through all plies. Fullness of the glove shall be distributed evenly under the relaxed braid.	301 or 401	Smlr to SSaa-1	10-14	50 50	50 70
	OR					
	c. Join gauntlet piece to hand portion of glove at wrist edge face to face, with the elastic braid fully extended and superimposed on the gauntlet and stitch through all plies $3/8$ ( $+ 1/16$ ) inch from the raw edge. The cotton flannel material shall be held taut while stitching to distribute the braid evenly along the seam.	301 or 401	SSab-1	10-14	50 50	50 70
	d. Turn under the raw edge of gauntlet, and insert the elastic braid for the elbow take-up. Position and fully extend elastic and stitch approximately $1/2$ inch from the top finished edge of glove catching the elastic braid securely along the bottom edge. The cotton flannel material shall be held taut while stitching to distribute the braid evenly along the seam.	301 or 401	EFf-1	10-14	50 50	50 70

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TABLE I. Construction of gloves

NO.	OPERATION	STCH TYPE	SEAM/ STCH TYPE	STCH IN	THREAD	
					NDL	BOB/ LPR
	e. The hem shall finish $3/4$ ( $+ 1/8$ ) inch in width.					
6.	<u>Closing.</u> Close the gloves according to notches on pattern by stitching face to face $3/16$ ( $+ 1/16$ ) from the raw edge, from the top edge of the first index finger along the periphery of the fingers and side of glove, gradually increasing the seam between the notch on the No. 4 finger and the wrist seam to $3/8$ ( $+ 1/16$ ) inch and continue stitching to top folded edge of gauntlet. The ends of the wrist and elbow elastic braid shall be securely caught in the seam.	301 or 401	SSa-1	10-14	50 50	50 70
7.	<u>Finishing.</u> Turn glove to its finished position, napped side of the cotton flannel material on the inside.					
8.	<u>Labeling.</u> Each glove shall have the identification and instruction marking (see 3.3.4) applied on the palm side, bottom portion, of the gauntlet. This shall be centered and positioned so that the distance between the last line of the marking and the stitch line of the hem is approximately 1 inch.					
9.	<u>Trimming and cleaning.</u> a. Trim thread ends (except the $1/2$ to $3/4$ inch chain extension required on type 401 stitching), and remove all loose threads.  b. Remove all spots and stains.					
10.	<u>Pairing.</u> The finished gloves shall be paired and tacked together in accordance with the best commercial practice which will permit the gloves to be separated without damaging the fabric.					

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3.9 Measurements. The measurements of the finished gloves shall conform to the dimensions specified in Table II. All measurements and tolerances are expressed in inches.

TABLE II. Finished measurements

Measurements	Dimension	Tolerance
Overall length (A)	19	+ 1/2
Hand length (B)	8	+ 1/4
Width (C)	5	+ 1/4
Wrist (D)	3-3/4	+ 1/4
Elbow (E)	5-1/4	+ 1/4

NOTE: A, B, C, D, E, refer to Figure 1.

- A. Measurement taken from tip of second finger to top edge of gauntlet opening.
- B. Measurement taken from tip of second finger to gauntlet wrist seam.
- C. Measurement taken on palm side at thumb crotch seam to folded edge.
- D. Measurement taken at gathered wrist from folded edge to folded edge, with elastic in relaxed state.
- E. Measurement taken at gauntlet bottom from folded edge to folded edge, with elastic in relaxed state.

3.10 Workmanship. The finished gloves shall conform to the quality established by this specification. The occurrence of defects shall not exceed the applicable acceptable quality levels.

#### 4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract, the contractor is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the contractor may use his own or any other facilities suitable for performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 Responsibility for compliance. All items must meet all requirements of sections 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material.

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4.1.2 Certificate of compliance. Where certificates of compliance are submitted, the Government reserves the right to check test such items to determine the validity of the certification.

4.2 Classification of inspection. The inspection requirements specified herein are classified as follows:

1. First article inspection (see 4.3).
2. Quality conformance inspection (see 4.4).

4.3 First article inspection. When required, the first article submitted in accordance with 3.2, shall be inspected as specified in 4.4.2.1 and 4.4.2.2 for compliance with design, construction, workmanship, and dimensional requirements.

4.4 Quality conformance inspection. Sampling for inspection shall be performed in accordance with MIL-STD-105, except where otherwise indicated.

4.4.1 Component and material inspection. In accordance with 4.1 above, components and materials shall be tested in accordance with all the requirements of referenced specifications, drawings, and standards unless otherwise excluded, amended, modified, or qualified in this specification or applicable procurement documents.

4.4.2 Examination of the end item. Examination of the end item shall be in accordance with 4.4.2.1 through 4.4.2.4. The applicable inspection levels and the acceptable quality levels (AQL's) shall be as indicated in 4.4.2.3. The lot size shall be expressed in units of one glove each. The sample unit shall be one glove and selection shall be by pairs. Defects for pairing shall be classified as a single defect.

4.4.2.1 Visual examination.

Defects	Classification	
	Major	Minor

## MATERIAL DEFECTS AND DAMAGES

a. Any hole, cut, tear, smash, mend, needle chew, burn, drill hole.

- |               |   |   |
|---------------|---|---|
| 1. On outside | X |   |
| 2. On inside  |   | X |

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Defects	Classification	
	Major	Minor
b. Any visible mend, float, loose yarn, snag, knot, large slub, misweave, missing yarn, broken yarn, thin place, or woven in waste		
1. On outside	X	
2. On inside		X
c. Ruptured fibers in line of stitching (caused by a blunt or broken needle)	X	
<b>CLEANNES</b>		
a. Any spots or stains on outside		X
b. Thread ends not trimmed to 1/2 inch or less on inside (except the 1/2 to 3/4 inch chain extensionn required on 401 stitching), or thread ends not trimmed to 1/4 inch or less on outside		X
c. Loose threads not removed throughout major portion of glove		X
<b>COMPONENTS AND ASSEMBLY</b>		
a. Any component not as specified	X	
b. Any operation not as specified (unless otherwise classified herein)		X
c. Any component part or required operation omitted (unless otherwise classified herein)	X	
d. Any component part tight, twisted, distorted, pleated, full, mishaped, puckered, or not securely affixed (unless otherwise specified herein)		X
<b>CUTTING</b>		
Any component part not cut in accordance with directional lines indicated on patterns or not in accordance with specification requirements	X	

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Defects	Classification	
	Major	Minor

## SEAMS AND STITCHING

## a. Accuracy of seaming

- |   |   |   |
|---|---|---|
| 1. Seam puckered, pleated, irregular, wavy, or edges not fully worked out   |   | X |
| 2. Part of glove caught in any unrelated operation or stitching   | X |   |
| 3. Needle perforations visible on outside more than one inch  |   | X |
| 4. End of seam or stitching when not caught in another seam or stitching not securely backtacked or backstitched less than 3/8 inch |   | X |
| 5. Loper thread of 401 stitch type on outside   |   | X |

## b. Gage of stitching and seam allowance:

- |   |  |   |
|---|--|---|
| 1. Stitching irregular, not within range specified or varies more than 1/16 inch when no range is specified (score only when condition exists on more than half the length of seam) |  | X |
| 2. Width of seam allowance varies more than 1/16 inch from allowance specified (score only when condition exists on more than 1/2 the length of seam)                               |  | X |

## c. Open seam

- |   |   |   |
|---|---|---|
| 1. Any open seam not repaired, except on gauntlet hem | X |   |
| 2. Open seam repaired, but not repaired as specified  |   | X |
| 3. Open stitching on gauntlet hem                     |   | X |

## d. Runoff, skipped or broken stitches

- |   |  |   |
|---|--|---|
| 1. On joining seam - when resulting in an open seam is "open seam" classification |  | X |
|---|--|---|

NOTE: One or more broken stitches or two or more continuous skipped or run-off stitches constitutes an open seam.

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Defects	Classification	
	Major	Minor
e. Seam and stitch type		
1. Not specified seam or stitch type	X	
2. Any line of stitching omitted or insecure		X
3. Any line of stitching not beginning or ending where specified (unless otherwise classified herein)		X
f. Stitch tension		
1. Loose tension resulting in a loose seam:		
(a) - more than one inch	X	
(b) - up to 1 inch inclusive		X
2. Loose tension resulting in loose or tangled loops of lower or top thread		X
3. Tight tension (stitches break when normal strain is applied in the direction of the seam or stitching)	X	
g. Stitches per inch (to be scored only when the condition exists on the major portion of seam or stitching)		
1. More than maximum specified		
(a) - damaging assembly	X	
(b) - not damaging assembly		X
2. Less than the minimum specified		
(a) - by one or two stitches per inch		X
(b) - by three or more stitches per inch	X	
h. Backtacking		
1. Missing, insecure, misplaced, not serving intended purpose		X
2. Loose stitch tension		X
GAUNTLET		
Elastic braid for the wrist or elbow take-up not securely caught in closing of the gloves	X	

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Defects	Classification	
	Major	Minor
<b>BOTTOM HEM</b>		
a. Finished hem less than 5/8 inch or more than 7/8 inch in width	X	
b. Irregular in width by more than 1/8 inch		X
c. Twisted, puckered, or pleated		X
<b>LABEL</b>		
a. Missing, incorrect, or illegible		
1. On one glove		X
2. On both gloves	X	
b. Misplaced		X
<b>PAIRING</b>		
a. Mismatched, i.e., two left or two right hand gloves submitted as a pair	X	
b. Pair not tacked together		X
c. Tacking too tight, i.e., not permitting the gloves to be pulled apart without tearing the fabric	X	

4.4.2.2 Dimensional examination. The gloves shall be examined for dimensional defects. Any dimension that is not within the established tolerance (see 3.9) shall be classified as a defect.

4.4.2.3 Inspection levels and acceptable quality levels (AQL's). The inspection levels, and the acceptable quality levels, expressed in defects per 100 units, shall be as follows:

	<u>Inspection level</u>	<u>AQL's</u>	
		Major	Total
For defects applicable to 4.4.2.1	II	2.5	15.0
For defects applicable to 4.4.2.2	S-3	-	4.0

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4.4.3 Examination of packaging requirements. An examination shall be made to determine that packaging, packing, and marking comply with Section 5 requirements of this specification. Defects shall be scored in accordance with the list below. The sample unit shall be one shipping container fully prepared for delivery with the exception that it need not be closed. Defects of closure listed below shall be examined on shipping containers fully prepared for delivery. The lot size shall be on the number of shipping containers in the end item inspection lot. The inspection level shall be S-2 and the AQL shall be 2.5 defects per hundred units.

<u>Examine</u>	<u>Defect</u>
Marking (exterior and interior)	Omitted, incorrect, illegible, of improper size, location, sequence, or method of application.
Materials	Any component missing, damaged, or not as specified.
Workmanship	Inadequate application of components, such as: incomplete closure of container flaps, loose strapping, improper taping, inadequate stapling, bulged or distorted container.
Content	Number of items per shipping container is more or less than required. Size shown on one or more items not as specified on shipping container. <u>1/</u>

1/ For this defect, one item from each shipping container in sample shall be examined.

4.4.4 Palletization examination. An examination shall be made to determine that the palletization complies with the section 5 requirements. Defects shall be scored in accordance with the list below. The sample unit shall be one palletized unit load fully packaged. The lot size shall be the number of palletized unit loads in the end item inspection lot. The inspection level shall be S-1 and the AQL, expressed in terms of defects per hundred units, shall be 6.5 in accordance with MIL-STD-105.

<u>Examine</u>	<u>Defect</u>
Finished dimensions	Length, width, or height exceeds specified maximum requirements.
Palletization	Pallet pattern not as specified. Interlocking of loads not as specified. Load not bonded with required straps as specified.
Weight	Exceeds maximum load limits.
Marking	Omitted, incorrect, illegible, of improper size, location, sequence, or method of application.

## 5. PACKAGING

5.1 Preservation packaging. Packaging shall be level A, or Commercial as specified (see 6.2).

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5.1.1 Level A. Each pair of gloves shall have the gauntlet ends folded over together so that the gloves measure approximately 15 inches in length. Five pairs of folded gloves shall be evenly stacked in a bundle with every other pair reversed end for end. Each bundle shall be securely tied at each end with cotton tape or twine.

5.1.2 Level C. The gloves shall be packaged to afford adequate protection against deterioration and physical damage during shipment from the supply source to the first receiving activity. The package and the quantity per package shall be the same as that normally used by the contractor for retail distribution.

5.2 Packing. Packing shall be level A, B, or C as specified (see 6.2).

5.2.1 Level A. Thirty (30) pairs of gloves, packaged as specified in 5.1, shall be packed in a fiberboard shipping container assembled, closed, and reinforced, conforming to type CF, class weather-resistant, grade V15c, variety DW, size 1A of MIL-B-17757. The fiberboard for the liner shall conform to type CF, class domestic of MIL-B-17757. Level A packages shall be packed flat, one in length, two in width, and three in depth within the shipping container. Each container shall have the contents completely covered on the top and bottom with a sheet of kraft paper, of any suitable commercial grade and weight.

5.2.2 Level B. Thirty (30) pairs of gloves, packaged as specified in 5.1, shall be packed in a fiberboard shipping container assembled and closed conforming to type CF, class domestic, variety DW, grade 200, size 1A, of MIL-B-17757. The fiberboard for the liner shall conform to type CF, class domestic of MIL-B-17757. Level A packages shall be packed flat, one in length, two in width, and three in depth within the shipping container. Each container shall have the contents completely covered on the top and bottom with a sheet of kraft paper, of any suitable commercial grade and weight.

5.2.3 Level C. Item packaged, as specified in 5.1, shall be packed in a manner to insure carrier acceptance and safe delivery at destination at the lowest transportation rate for such supplies. The quantity per shipping container shall be the same as that normally used by the contractor for retail distribution. Containers shall comply with the US Postal Service Manual, Uniform Freight Classification Rules or National Motor Freight Classification Rules, as applicable.

5.3 Marking. In addition to any special marking required by the contract or order, interior packages and shipping containers shall be marked in accordance with MIL-STD-129.

5.4 Palletization. When specified (see 6.2) item packed as specified shall be palletized on a 4-way entry pallet in accordance with load type 1A of MIL-STD-147. Each prepared load shall be bonded with primary and secondary straps in accordance with bonding means C, K, and L or O or P. Pallet pattern shall be in accordance with the appendix of MIL-STD-147.

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The pallet shall be 4-way, Type IV; Type V, Class 1, Size 2; or Type VIII, fabricated from wood group I, II, III or IV, Grade A of NN-P-71, or 4-way, Style 1, Size A, Type I, Class 1 fabricated from wood groups specified of MIL-P-15011. Interlocking of loads shall be effected by reversing the pattern of each course. If the container is of a size which does not conform to any of the patterns specified in MIL-STD-147, the pallet pattern used shall be approved by the contracting officer.

## 6. NOTES

6.1 Intended use. The gloves covered by this specification are intended to be worn by Naval personnel to protect the hands and forearms exposed to transient elevated temperatures and flash from weapons, and will be used with the Hood, Anti-Flash, Flame Resistant (MIL-H-24936).

6.2 Ordering data. Procurement documents should specify the following:

- a. Title, number, and date of this specification.
- b. Whether first article sample is required (see 3.2) the item will be tested and should include specific instructions in acquisition documents regarding arrangements for examinations, quantity, and testing and approval of the first article.
- c. Selection of applicable levels of packaging and packing (see 5.1 and 5.2).
- d. When palletization is required (see 5.4).

6.3 Samples and patterns. For access to samples and patterns, address the procuring office issuing the Invitation for Bids.

6.4 Subject term (key word) listing:

Cloth, flannel  
Fiber, cotton  
Finish, flame resistant  
Glove, anti-flash

## Custodian:

Navy - NU  
Army - GL  
Air Force - 99

## Preparing Activity:

Navy - NU

Project No. 8415-0572

## Review Activity:

DLA - CT  
Air Force - 82

## User Activity:

MC - 855

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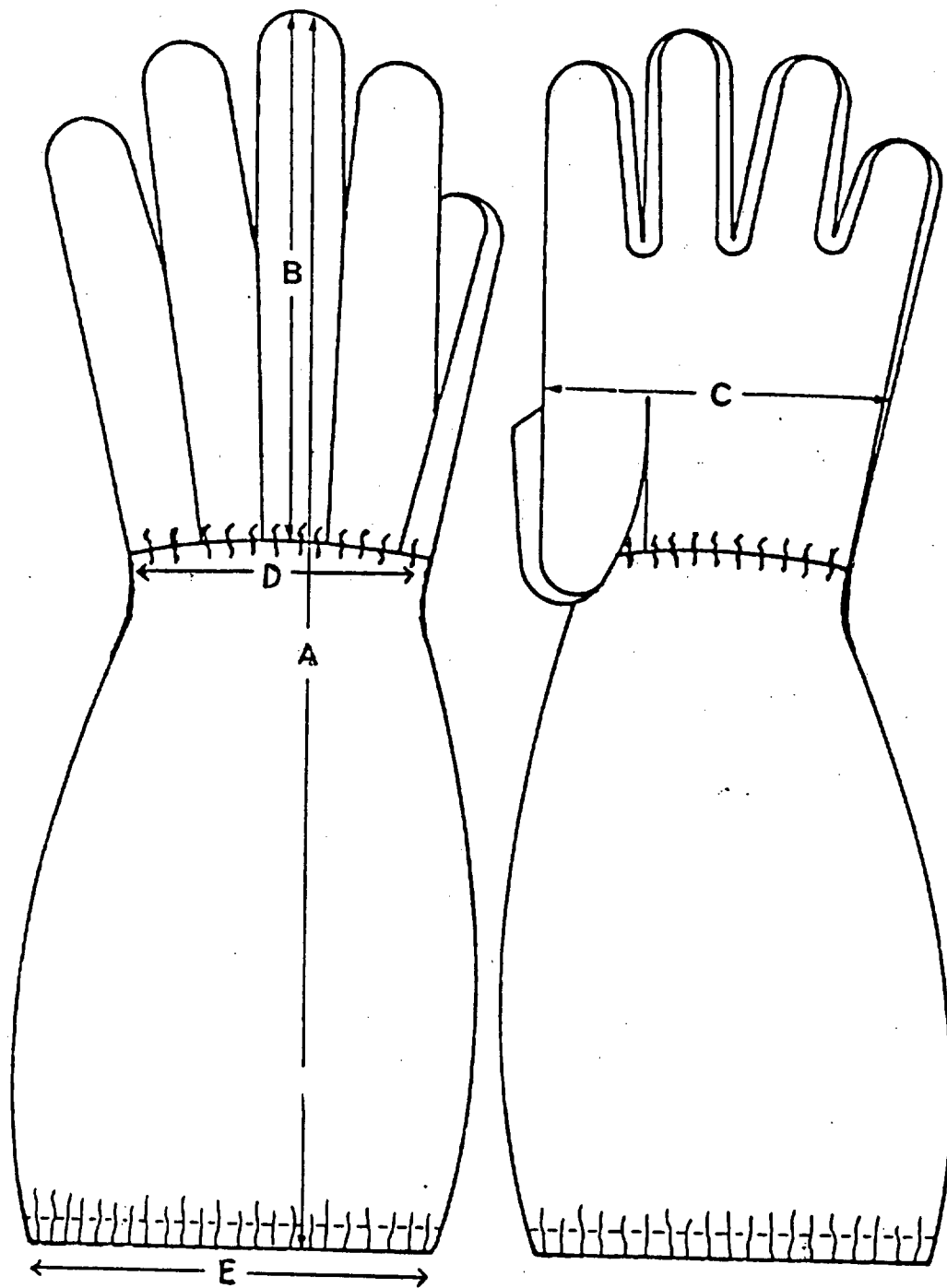


Figure 1 - Gloves, Flame Resistant, Anti-flash