

INCH POUND

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MILITARY SPECIFICATION

COVER, TOXICOLOGICAL AGENTS PROTECTIVE GAS MASK HOOD, COOLING

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 a toxicological agents protective gas mask hood cover fabricated from cotton birdseye cloth. The cover shall be of one type and one size.

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 document 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 (see 6.2).

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Defense Personnel Support Center, Clothing and Textiles Directorate, Attn: DPSC-FSSD, 2800 South 20th Street, Philadelphia, PA 19101-8419, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8415

DISTRIBUTION STATEMENT A.

Approved for public release;
distribution is unlimited.

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SPECIFICATIONS

FEDERAL

- V-T-276 - Thread, Cotton
- CCC-C-425 - Cloth, Birdseye and Gauze; Cotton
- DDD-L-20 - Label; for Clothing, Equipage and Tentage (General Use)
- DDD-T-86 - Tape, Textile; Cotton, General Purpose
- NN-P-71 - Pallet, Machine Handling, Wood, Stringer Construction, 2 Way and 4 Way (Partial)

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

STANDARDS

FEDERAL

- FED-STD-4 - Glossary of Fabric Imperfections (Section I, II, and III)
- FED-STD-191 - Textile Test Methods
- FED-STD-751 - Stitches, Seams and Stitchings

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

(Unless otherwise indicated, copies of federal and military specifications, standards and handbooks are available from the Standardization Documents Order Desk, Bldg. 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.)

2.1.2 Other Government documents, drawings, and publications.

The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

RULES AND REGULATIONS UNDER THE TEXTILE FIBER PRODUCTS IDENTIFICATION ACT

(Copies may be obtained without charge from the Federal Trade Commission, Washington, DC 20580-0001).

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U.S. Postal Manual

(Copies of the manual may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402-0001.)

2.2 Non-Government Publications. The following document(s) form a part of this document 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 cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS are the issues of the documents cited in the solicitation (see 6.2).

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 20036-1404.)

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 60606-5808.)

THE COLOR ASSOCIATION OF THE UNITED STATES

Department of Defense Standard Shades For Sewing Threads

(Applications for copies should be addressed to the Color Association of the United States, 409 W 44th St., New York, NY 10016-0927).

TECHNICAL MANUAL OF THE AMERICAN ASSOCIATION OF TEXTILE CHEMISTS AND COLORISTS

Method No. 8 - 1988 Colorfastness to Crocking: AATCC
Crockmeter Method
Method No. 16 - 1982 Colorfastness to Light: General Method

(Applications for copies should be addressed to the AATCC National Headquarters, P.O. Box 12215, Research Triangle Park, NC 27709-2215.)

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AMERICAN SOCIETY FOR TESTING AND MATERIALS

D 1424-83 Test for Tear Resistance of Woven Fabrics by Falling-Pendulum (Elmendorf) Apparatus

(Applications for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103-1187.)

(Non-Government standards and other publications are normally available from the organizations that prepare or distribute the documents. These documents also may be available in or through libraries or other informational services.)

2.3 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document however, supersedes 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, (see 6.2), a sample shall be subjected to first article inspection, in accordance with 4.3.

3.3 Material.

3.3.1 Basic Material. The basic material for the cover shall be cotton birdseye cloth, Olive Green Shade No. 107, conforming to Type I, Class 3 of CCC-C-425, except the residual shrinkage shall not exceed 10 percent in either the warp or filling directions; the minimum absorption shall be 50 percent and the only colorfastness requirements shall be colorfastness to laundering (after 3 cycles), perspiration, and crocking. Colorfastness to laundering shall be in accordance with FED-STD-191, Test Method 5610. Samples shall be dried after each complete laundering cycle and only the stain on the cotton fibers of the transfer cloth shall be evaluated.

3.3.2 Tape, cotton. The tape for the cover shall be cotton herringbone twill, 1/2 inch wide, Camouflage Green 483, conforming to Type I, Class 3 of DDD-T-86, except that only colorfastness to laundering shall apply.

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3.3.3 Thread. The thread for the seaming and stitching shall be cotton, ticket No. 50, 3 ply and ticket No. 70, 2 ply conforming to Type 1A3 of V-T-276. As an alternate, polyester thread, ticket No. 50, 3 ply and ticket No. 70, 2 ply, conforming to MIL-T-43548 may be substituted for the cotton thread. The color shall be Camouflage Green 483.

3.3.3.1 Colorfastness. The dyed thread shall show fastness to laundering to or better than the standard sample. As a minimum of acceptance, or when no standard sample is available, the dyed thread shall show good fastness to laundering.

3.3.4 Label. Each cover shall have an identification and instruction label conforming to Type VI, Classes 1 and 3 of DDD-L-20. The printing shall show colorfastness to laundering. The label shall bear the following inscription:

COVER TOXICOLOGICAL AGENTS PROTECTIVE GAS MASK HOOD, COOLING
 BASIC FABRIC: 100% COTTON
 CONTRACT NO: DLA-100-00-0-0000 (SAMPLE)
 STOCK NO: 8415-00-000-0000 (SAMPLE)
 NAME OF CONTRACTOR:
 NAME OF MFG: (if other than contractor)

INSTRUCTIONS

1. Wear over impermeable type hood for reduction of body heat stress
2. Keep soaked with water for maximum evaporative cooling effect.
3. After use rinse thoroughly and hang to dry.

LAUNDRY INSTRUCTIONS

Hand Wash Cold
 Hang Dry

DO NOT REMOVE THIS LABEL

3.4 Design. The cover is loose fitting, slip over type, with face opening and tie-down tapes. The integrity of the material and seams should be made strong enough to ensure use under anticipated conditions to prevent unraveling, such as snagging on obstructions in the work area. Additionally, attention should be given to the fastening tabs which secure the hood to the rest of the suit. These tabs should be capable of holding the hood in proper position so as not to slip-off or interfere with wearer's vision/movement. This is essential to protect the wearer from life threatening environment.

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3.5 Patterns. Standard patterns to be used for cutting working patterns will be furnished by the government (see 6.3). The working patterns and the government patterns shall be identical. The patterns provide an allowance of 3/8 inch for regular seams. Unless otherwise indicated in Table I, all seams shall be in accordance with this seam allowance.

3.5.1 Pattern Parts. The component parts shall be cut from the material specified in accordance with the following pattern parts:

<u>Materials</u>	<u>Nomenclature of pattern parts</u>	<u>Cut Parts</u>
Cloth, birdseye cotton	Back panel	4
	Front panel	2

3.5.1.1 Shade marking. The component parts shall be bundled.

3.6 Construction.

3.6.1 Stitches, seams and stitching. 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. Seam allowance shall be maintained with the seams sewn so that no raw edges, run-offs, twists, pleats, puckers or open seams result. All seams shall start and finish evenly. Thread tension shall be maintained so that there is no tight or loose stitching. Where stitch type 401 is used, the looper (underthread) shall be on the inside of the cover. Unless otherwise specified, top stitching and edge stitching shall be 1/8 inch from folded edge.

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 bartacked 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 break not less than 1/2 inch. Skipped stitches and thread breaks may be repaired by using 301 stitch type.

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 operations requirements. The cover 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 the finished cover is identical to that produced by following the sequence as listed in Table I. Minor modifications are permitted where necessary when using automatic equipment. These modifications shall not alter the dimensional, serviceability or appearance requirements cited in the specification.

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TABLE I - CONSTRUCTION OF COVER 1/

No.	OPERATION	TYPE	SEAM STCH/TYPE	STCH IN	Thread NDL BOB/ LPR	
1.	<u>Cutting</u> Cut the cover in strict accordance with patterns, which shall show directional lines for cutting and instructions and notches for proper assembly of all component parts.					
2.	<u>Replacement of defective components</u> During the spreading, cutting and manufacturing process, components having material defects that are classified as defects in Section 4, shall be removed from production and replaced with non-defective and properly matched components.					
3.	<u>Shade marking</u> All parts shall be bundled.					
4.	<u>Construction</u> The cover shall be made of two plies of the basic material.					
5.	<u>Join panels of inside and outside covers (single ply only).</u>					
	a. Join center seam of back panels.	301 401	or SSa-1	10-14	50 50	50 70
	b. Join top center seam of front panel.	301 401	or SSa-1	10-14	50 50	50 70

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TABLE I - CONSTRUCTION OF COVER 1/ (continued)

No.	OPERATION	TYPE	SEAM STCH/TYPE	STCH IN	Thread	
					NDL	BOB/ LPR
6.	<u>Assemble fronts and prepare face opening</u>					
	a. Position the two single plies of front panel face to face, with all seams matching and seam around the face opening.	301 401	or SSe-2(a)	10-14	50 50	50 70
	b. Slash seam allowance around face opening. Turn, work out edges, and single stitch around face opening 3/8 to 1/2 inch from the edges.	301	SSe-2(b)	10-14	50	50
7.	<u>Join front and back</u>					
	a. Position both back panel plies, face to face, simultaneously sandwiching the completed front panel.					
	b. Stitch thru all plies joining side seam.	301 401	or SSq-2(a)	10-14	50 50	50 50
	c. Turn to finished position and topstitch side and center seams 1/8 inch from folded edge.	301 401	or SSq-2(b)	10-14	50 50	70 70
8.	<u>Hem bottom and attach label</u>					
	a. Finish the bottom circumference of cover by turning in both plies 1/4 inch and edge stitching 1/8 inch from folded edge while catching label. Label shall finish on the inside of the cover.	301	SSp-1	10-14	50	50

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TABLE I - CONSTRUCTION OF COVER 1/ (continued)

No.	OPERATION	TYPE	SEAM STCH/TYPE	STCH IN	Thread	
					NDL	BOB/ LPR
8.	b. Stitch label across top and sides 1/8 to 3/16 inch from edge.	301	LSbj-1	10-14	50	50
	OR c. Stitch all four sides of label to inside of back panel adjacent to the side seam.	301	LSbj-1	10-14	50	50
9.	<u>Tie tapes</u>					
	a. There shall be three tie tapes each measuring 7 ($\pm 1/2$) inches cut length.					
	b. Attach two tie tapes with a 1/2 inch long backtack, straight tack or bartack at center of tapes on inside of cover as indicated by pattern marks. Attach the third tie tape with a 1/2 long backtack straight tack or bartack at center tape on inside of cover at center crown seam. Tapes shall finish 3 1/2 ($\pm 1/4$) inches long.	301	bartack	10-14	50	50
		304		10-14	50	50
		or		28	50	50
				per bar- tack		
10.	<u>Clean cover</u>					
	a. Trim all ends and remove all loose threads					
	b. Remove all spots and stains.					

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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
 Btn - Button
 Btnhl - Buttonhole
 Incl - Including
 Dbl - Double
 Chnstch - Chainstitch

3.8 Measurements. The finished cover shall conform to the measurements shown in Table II.

Table II - Measurements of cover (inches)

	Measurement	Tolerance
1/2 Bottom opening <u>1/</u>	26	$\pm 3/4$
Center seam (back) <u>2/</u>	26 1/2	$\pm 3/4$
Center front <u>3/</u>	10 1/2	$\pm 3/4$
Side seam <u>4/</u>	21 1/4	$\pm 3/4$

NOTES:

1/ Bottom opening - Fold bottom in half and measure along the bottom edge from folded edge to folded edge.

2/ Center seam - From top of face opening across top cover to bottom edge of back.

3/ Center front - Fold front, side seam on side seam and measure along fold front bottom of face opening to bottom edge of cover.

4/ Side seam - From bottom edge to center seam at top of cover.

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

3.10 Regulatory requirements. The offerer/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

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4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility For Inspection. Unless otherwise specified in the contract or purchase order, the contractor is responsible for the performance of all inspection requirements (examinations and tests) as specified herein. Except as otherwise specified in the contract or purchase order, the contractor may use his own or any other facilities suitable for the 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 ensure supplies and services conform to prescribed requirements.

4.1.1 Responsibility for compliance. All items shall 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 ensuring that all products or supplies submitted to the Government for acceptance comply with all requirements of the contract. Sampling in quality conformance inspection, as part of manufacturing operations, does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to accept defective material.

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. The first article, submitted in accordance with 3.2, shall be inspected as specified 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.

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4.4.2 Examination of the end item. Examination of the end item shall be in accordance with 4.4.2.1 through 4.4.2.3. The sample unit shall be one finished cover.

4.4.2.1 Visual examination. The cover shall be visually examined for the defects shown in Table III:

Table III - Examination for defects

Defect	Classification	
	Major	Minor
MATERIAL DEFECTS AND WORKMANSHIP DAMAGES		
a. Hole, cut, tear, smash, scorched area, drill hole or open place:		
1. On outside (longest dimension in any direction):		
(a) - up to 1/4 inch, inclusive		201
(b) - more than 1/4 inch	101	
2. On inside, any		202
b. Misweave, area of no dye penetration, needle chew, thin place, visible mend, missing yarn or broken yarn, more than 1/2 inch (largest dimensions in any direction):		
-On outside		203
c. Knot on outside, when larger than limit shown for knots on Figure 1 of FED-STD-4.		204
d. Permanent fold, pleat or crease in cloth (when caught in seaming or stitching):		
- on outside		205
e. Loose yarn, snagged thread, course yarn or woven in waste; more than 1 inch. (largest dimension in any direction):		
- On outside		206
COMPONENT AND ASSEMBLY		
a. Any component part or operation omitted (unless otherwise classified herein)	102	
b. Any component not as specified (type, color, size etc.)	103	
c. Any component part noticeably twisted, distorted or puckered, affecting appearance		207

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Table III - Examination for defects (continued)

Defect	Classification	
	Major	Minor
d. Any operation not as specified (unless otherwise classified herein)		208
CUTTING		
a. Any component part not cut in accordance with specified pattern, directional lines on patterns or specification requirements.	104	
CLEANLINESS		
a. Any non-removable spot or stain on outside, clearly noticeable and affecting appearance		209
b. More than 3 thread ends not trimmed to 1/4" or less on the outside		210
SEAMS AND STITCHING		
a. <u>Accuracy of seaming</u>		
1. Part of cover caught in any unrelated stitching operation	105	
2. Seam noticeably puckered, twisted, or pleated, affecting appearance or serviceability		211
3. End of stitching not caught in another seam or stitching backtacked less than 3/8 inch		212
4. Ends of a continuous line of stitching overlapped less than 1/2 inch		213
5. Stitching overlapping ends of thread break less than 1/2 inch		214
6. Shade of thread used on outside not as specified		215
7. Needle perforations visible on outside		
b. <u>Stitching margin</u>		
1. Irregular or not within specified range or varies more than 1/8 inch when no range is specified (score only when the condition exists on more than 1/2 the length of seam)		216
2. Edge or top stitching sewn too close to edge resulting in serious damage to cloth.	106	

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Table III - Examination for defects (continued)

Defect	Classification	
	Major	Minor
c. <u>Seam allowance</u> . Width not as specified by more than 1/16 inch (score only when condition exists on more than 1/2 the length of seam)		217
d. <u>Open seam</u> (Skipped or broken stitches)		
1. On outside		
(a) Less than 3/4 inch		218
(b) 3/4 inch or more	107	
2. On inside		
(a) 3/8 inch or more		219
e. <u>Runoff</u>		
1. On joining seams, score as open seam		
2. Edge or top stitching - more than 1/4 inch		220
f. <u>Raw edges</u>		
1. On outside		
(a) Less than 3/4 inch		221
(b) 3/4 inch or more	108	
2. On inside		
(a) 3/4 inch or more		222
g. <u>Seam and stitch types</u>		
1. Not specified seam or stitch type		223
2. Loper thread on outside (when 401 stitch is used)		224
3. Any line of stitching omitted	109	
4. Any line of stitching not beginning or ending where specified		225
h. <u>Stitch tension</u>		
1. Loose tension resulting in loosely exposed loops of lower or top thread (score only when condition exists on more than 1/2 length of seam)		
(a) Affecting serviceability or appearance, seriously	110	
(b) Affecting serviceability or appearance, not seriously		226
2. Tight tension (stitches break when normal strain is applied in the seam or stitch direction)	111	

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Table III - Examination for defects (continued)

Defect	Classification	
	Major	Minor
i. <u>Stitches per inch</u> (to be scored only when the condition exists on more than 1/2 the length of seam or stitchings)		
1. More than the maximum specified		227
2. Two or more less than the specified minimum		228
j. Bartack, backtack or tack missing, misplaced, insecure, not serving intended purpose or not specified size or type		229
TIE TAPES		
a. Misplaced or insecure		
b. End of finished tape less than 3-1/4 inches or more than 3-3/4 inches long		230
IDENTIFICATION LABEL		
a. Omitted, incorrect or illegible		231
b. Not attached as specified		232
c. Misplaced or stitching through printing		233

4.4.2.2 Dimensional examination. Any measurement deviating from the dimensions and tolerances specified in Table II shall be scored as a measurement defect.

4.4.2.3 Inspection levels and acceptable quality levels. The inspection levels and acceptable quality levels (AQL) expressed in defects per 100 hundred units, for visual and dimensional examinations shall be as follows:

	AQL	Inspection Level
For visual examination in 4.4.2.1	1.5	II
Major	10.0	II
Total (major & minor combined)		
For dimensional examination in 4.4.2.2	2.5	S-3

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

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delivery. 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 acceptable quality level (AQL) shall be 2.5 defects per hundred units in accordance with MIL-STD-105.

<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 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 inspected lot. The inspection level shall be S-1, and the acceptable quality level, (AQL) expressed in terms of defects per hundred units, shall be 2.5 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.

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<u>Examine</u>	<u>Defect</u>
Weight	Exceeds maximum load limits.
Marking	Omitted, incorrect, illegible, of improper size, location, sequence, or method of application.

5. PACKAGING

5.1 Preservation Packaging. Preservation shall be level A or C as specified (see 6.2).

5.1.1 Level A.

- a. Lay cover flat with face opening up.
- b. Fold in half by bringing the top to the bottom of the cover.
- c. Fold in the left and right sides of the cover base so that the cover is rectangular in shape.
- d. Fold in half again by placing one side on the top of the other side so that the folded cover measures approximately 7 1/2 inches by 11 1/2 inches.

Five covers shall be banded together across the middle with a commercially acceptable paper strip, with the ends of the strip secured with gummed paper tape.

5.1.2 Level C.

Covers shall be packaged to afford adequate protection against physical damage during shipment from contractor 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. One hundred covers, packaged as specified in 5.1.1, shall be packed flat, two in length, two in width, and twenty-five in depth in a fiberboard shipping container assembled, closed and reinforced conforming to type CF, class weather resistant, variety DW, grade V15c, size 3A, of MIL-B-17757. The fiberboard used for the liner shall conform to type CF, class domestic, of MIL-B-17757.

5.2.2 Level B. One hundred covers packaged as specified in 5.1.1, shall be packed flat, two in length, two in width, twenty-five in depth conforming to type CF, class domestic, variety DW, grade 275, size 3A, of MIL-B-17757. The fiberboard used for the liner shall conform to type CF, class domestic of MIL-B-17757.

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5.2.3 Level C. Item preserved, 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 Manual, Uniform Freight Classification Rules or National Motor Freight Classification Rules, as applicable.

5.3 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 the bonding methods C and D or Film bonding F or G. Pallet patterns shall be in accordance with the appendix of MIL-STD-147. The pallet shall be 4-way, type IV; 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 first be approved by the contracting officer.

5.4 Marking. In addition to any special marking required by the contract or order, unit packs, intermediate or exterior containers and palletized unit loads shall be marked in accordance with MIL-STD-129.

6. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

6.1 Intended use. The items are intended for use over the gas mask protective hood of the M-3 as a supplementary garment for cooling purposes.

6.2 Acquisition requirements. Acquisition documents should specify the following:

- a. Title, number and date of this specification.
- b. Issue of DODISS to be cited in the solicitation and, if required, the specific issue of individual documents referenced (see 2.1 and 2.2).
- c. When first article inspection is required, (see 3.2 and 4.3), the item will be tested and should be a first article sample. The contracting officer should include specific instructions in acquisition documents regarding arrangement for examinations, quantity, and testing and approval.

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- d. Applicable levels of packaging and packing (see 5.1 and 5.2)
- e. When palletization is required (see 5.4).

6.3 Samples and patterns. For access to samples and patterns, address the procuring activity issuing the invitation for bids. (see 3.1 and 3.5)

6.4 Recycled materials. It is encouraged that recycled materials be used when practical as long as the materials meet the requirements of this specification.

6.5 Subject term (key word) listing:

- Cloth, birdseye cotton
- Temperature reduction
- Hood, water cooling
- Moisture evaporation
- Outer garment
- Toxic environment

6.6 Changes from previous issue. The margins of this specification are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodians:

- Navy - NU
- Air Force - 99

Preparing activity:

DLA - CT

Project No. 8415-0916

Review Activities:

- Air Force - 82, 45
- Navy - OS

User Activities:

- Navy - MC

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

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I RECOMMEND A CHANGE:		1. DOCUMENT NUMBER MIL-C-12226H	2. DOCUMENT DATE (YYMMDD) 25 AUGUST 1993
3. DOCUMENT TITLE COVER, TOXICOLOGICAL AGENTS PROTECTIVE GAS MASK HOOD, COOLING			
4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed.)			
5. REASON FOR RECOMMENDATION			
6. SUBMITTER			
a. NAME (Last, First, Middle Initial)		b. ORGANIZATION	
c. ADDRESS (Include Zip Code)		d. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON (If applicable)	7. DATE SUBMITTED (YYMMDD)
8. PREPARING ACTIVITY			
a. NAME Defense Personnel Support Center ATTN: DPSC-FSSD (12-3-D)		b. TELEPHONE (Include Area Code) (1) Commercial (2) AUTOVON	
c. ADDRESS (Include Zip Code) 2800 South 20th Street P. O. Box 8419 Philadelphia, Pennsylvania 19101-8419		IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT: Defense Quality and Standardization Office 5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466 Telephone (703) 756-2340 AUTOVON 289-2340	