INCH-POUND

MIL-P-2018J
14 June 1993
SUPERSEDING
MIL-P-2018H
14 AUGUST 1989

MILITARY SPECIFICATION

PAINT, FACE, CAMOUFLAGE

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

1. SCOPE

1.1 Scope. This specification covers solid form camouflage paint for the face and body in a compact-type container with four colors or in a double ended tube dispenser with a two-color stick.

1.2 Classification. The paint shall be of the following types and colors as specified (see 6.2):

Type I - Compact with separate compartments containing loam, green, sand, and white colors having infrared properties similar to that of the battle dress uniform.

Type II - Dispenser with two-color stick having no infrared properties:

Color A - green and loam
Color B - green and sand
Color C - white and loam

2. APPLICABLE DOCUMENTS

2.1 Government documents.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: U.S. Army Natick Research, Development and Engineering Center, Natick, MA 01760-5019 by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A FSC 6850

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 are 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).

SPECIFICATIONS

FEDERAL

QQ-T-425 - Tinplate (Electrolytic)
PPP-B-636 - Boxes, Shipping, Fiberboard

STANDARDS

FEDERAL

FED-STD-313 - Material Safety Data Sheets, Preparation and the Submission of
FED-STD-595 - Colors Used in Government Procurement

MILITARY

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, Building 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.

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

Federal Food, Drug, and Cosmetic Act and regulations promulgated thereunder

(Copies are available from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.)

DRAWINGS (type I only)

U.S. ARMY NATICK RESEARCH, DEVELOPMENT, AND ENGINEERING CENTER

8-2-831 - Paint, Face, Camouflage, Compact-Type Container

(Copies of drawings are available from the U.S. Army Natick Research, Development, and Engineering Center, ATTN: SATNC-UXT, Natick, MA 01760-5017.)

2.2 Non-Government publications. The following documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted are 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).

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

D 1321 - Standard Method for Test for Needle Penetration of Petroleum Waxes
D 3951 - Standard Practice for Commercial Packaging

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

U.S. PHARMACOPEIAL CONVENTION (USP)

Pharmacopeial of the United States

(Application for copies should be addressed to the U.S. Pharmacopeial Convention, 12601 Twinbrook Parkway, Rockville, MD 20852.)

(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 First article. When specified (see 6.2), a sample shall be subjected to first article inspection (see 6.3) in accordance with 4.3.

3.2 Material. The ingredients used in the formulation of the face paint shall be as specified herein. Submission of a Material Safety Data Sheet is mandatory for stock classes in FED-STD-313.

3.2.1 Ceresine wax. Ceresine wax 101 shall have a melting point of 154°F to 165°F.

3.2.1.1 Hydrogenated castor oil. Hydrogenated castor oil shall conform to National Formulary of the Parmacopeial of the United States and have a melting point of 178°F to 182°F USP.

3.2.1.2 Carnauba wax. Carnauba wax shall conform to American Wax Importers and Refiners Association Specification for Genuine Pure Carnauba Wax (Prime or Yellow #1).

3.2.2 Mineral oil. Mineral oil shall conform to Mineral Oil, heavy viscosity, saybolt viscosity 335/365 at 37.8°C (100°F), USP.

3.2.2.1 Lanolin. Lanolin shall conform to Lanolin, Anhydrous, U.S.P.

3.2.3 Talc. Talc shall conform to Talc USP, except that all shall pass through a U.S. No. 325 mesh sieve.

3.2.4 Color mixture. The required color shall be obtained by use of pigments only. The color mixture shall conform in every respect to the Federal Food, Drug, and Cosmetic Act and regulations promulgated thereunder.

3.3 Composition. The formulation submitted by the contractor shall conform to the material and general composition requirements specified in table I for type I and table II for type II (see 6.4). There shall be no carbon black used in the formulation.

TABLE I. Paint composition (type I)

Ingredients	Parts by weight			
	Loam	Green	Sand	White
Ceresine wax	20.0 ± 0.2	20.2 ± 0.2	21.1 ± 0.2	21.0 ± 0.2
Castor wax	4.0 ± 0.2	4.0 ± 0.2	4.0 ± 0.2	4.0 ± 0.2
Mineral oil, heavy visc.	38.0 ± 0.2	37.0 ± 0.2	38.2 ± 0.2	38.2 ± 0.2
Talc	10.0 ± 0.2	10.2 ± 0.2	10.5 ± 0.2	8.4 ± 0.2
Cosmetic yellow 1/	4.0 ± 0.2	5.1 ± 0.2	3.0 ± 0.2	---
Cosmetic green (hydrous) 1/	10.0 ± 0.21	---	2.1 ± 0.2	---

TABLE I. Paint composition (type I) (cont'd)

Ingredients	Parts by weight			
	Loam	Green	Sand	White
Cosmetic black 1/	4.0 ± 0.2	---	0.3 ± 0.2	---
Cosmetic green (anhydrous) 1/	---	15.3 ± 0.2	---	---
Titanium dioxide (atlas white) 1/	6.0 ± 0.2	6.2 ± 0.2	20.1 ± 0.2	28.4 ± 0.2
Cosmetic burnt sienna 1/	4.0 ± 0.2	2.0 ± 0.2	0.7 ± 0.2	---

1/ The pigments shall be refined and of a cosmetic quality to conform to H. Kohnstamm color numbers or equal (see 6.5). These commercial numbers contain IR properties commensurate to the Battle Dress Uniforms.

TABLE II. Stick composition

Ingredients	Parts by weight
Hydrogenated Castor Oil	23.0 ± 3.0
Carnauba Wax	3.0 ± 0.1
Mineral Oil, Heavy Viscosity	25.0 ± 3.0
Lanolin, Anhydrous	10.0 ± 0.1
Talc	7.0 ± 0.1
Color Mixture	32.0 ± 0.2

3.4 Softness.

3.4.1 Type I. The finished face paint shall spread easily with the fingers. However, in its compartment in the container, the face paint shall remain moderately firm at a temperature of 70°F to 90°F and not flow.

3.4.2 Type II. The finished face paint stick shall have a needle penetration between 30 and 40 for all colors at a temperature of 72 ± 2°F when tested as specified in 4.4.4.

3.5 Color and uniformity. When tested as specified in 4.4.4, the color of the face paint shall be uniform and lusterless and shall match the following colors:

Color	Number	Document reference
Green	34151	FED-STD-595

Loam	34086	FED-STD-595
Sand	30277	FED-STD-595
White	37875	FED-STD-595

3.6 Odor. The face paint shall be nearly odorless with no indication of rancidity.

3.7 Form.

3.7.1 Type I. The face paint shall be furnished in a flat homo-polymer, polypropylene, dull-matte finish (inside and outside), compact-type container having a separate section for each color of paint. Each individual face paint in the container shall have not more than one hole or void greater than 1/8 inch in diameter when tested as specified in 4.4.4.

3.7.2 Type II. The sticks shall be furnished in the form of a cylindrical stick, 3/4 ± 1/16 inch in diameter and 3 ± 1/8 inches in length. The stick shall consist of two cylinders, each a different color as specified in 1.1, joined end to end, forming one continuous stick. The stick shall not have more than one hole or void greater than 1/4 inch in diameter when tested as specified in 4.4.4. Each color cylinder forming the stick shall be at least 1-3/8 inches long.

3.8 Container.

3.8.1 Type I, compact-type. The dimensions of the container shall be as specified on Drawing 8-2-831. Each color of the face paint shall be located in a separate compartment of the container as shown on the drawing. The container shall be formed of homo-polymer polypropylene material, Olive Drab shade No. 24087 of FED-STD-595, gloss to be not over 45. The inside of the cover shall contain an acrylic mirror, mechanically affixed to the container (snap-on) having 0.060 inch thickness with a tolerance of ± 0.005 inches. The cover of the container shall be attached to the base throughout by a "living hinge" of the same composition as the container itself. The cover of the container shall be opened or closed with only a reasonable amount of effort and with a minimum amount of noise. The polypropylene container shall have rounded edges and it shall satisfactorily withstand temperatures of -20°F to 150°F without distortion or deterioration over a maximum shelf life period of 10 years under these conditions. The cover shall be snug-fitting on all sides.

3.8.2 Type II, stick dispenser. Each stick of face paint shall be in a cylindrical metal tube dispenser having an inside diameter of 3/4 ± 1/16 inch and a length of 3 ± 1/8 inches. The body of the dispenser shall be a straight tube with a securely locked side seam and with ends cut smooth and free from burrs. The dispenser shall be fabricated of electrolytic tinplate conforming to QQ-T-425, type I, grade 4, class 25, dull-matte finish, with a base weight of 85 pounds per base box. The open ends of the tube shall be

fitted with snug-fitting slip covers, each having a skirt 1/4 ± 1/16 inch long. The covers shall not fall off on their own, but shall be readily removable with fingers. The outer surface of the dispenser shall be completely coated with an Olive Drab enamel or lacquer in Color No. 24087 of FED-STD-595, gloss to be not over 45. Both the coating and printed markings shall show no softening, smudging, removal, or illegibility when tested as specified in 4.4.4.

3.9 Labeling. Each container/dispenser shall be legibly and neatly labeled. The legend shall be lithographed with printed black ink characters, or it shall be molded, for type I. The label for type I shall be on the top side with the legend as shown on drawing 8-2-831. The label shall show no softening, smudging, removal, or illegibility when tested as specified in 4.4.4.

National Stock Number
Nomenclature
Specification Number
Name of Manufacturer of Supplier
Date of Manufacture
Color combination (type II only)

NOTICE

Apply with finger to dry skin
CAUTION - Avoid contact with eyes

3.10 Performance. The finished face paint shall be easy to apply and spread and shall produce an opaque, uniform-colored coating covering the skin. The face paint covering the skin shall not wash off when tested as specified in 4.4.4.

3.11 Workmanship. The finished face paint shall be clean, smooth, and uniform.

3.11.1 Type I. Each compartment shall be filled without overflowing or overlapping into the next one. The paint should not separate from the walls of the container during normal use or storage.

3.11.2 Type II. The stick shall remain intact in the tube when the cap is removed and the stick shall not break when completely pushed out of the dispenser. The stick shall fit snugly in the body of the dispenser, yet shall be pushed out readily from either end of the tube for application and return for storage.

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 this 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 inspection, as part of manufacturing operations, is an acceptable practice to ascertain conformance to requirements, however, this 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 Certificates of compliance. When certificates of compliance are submitted, the Government reserves the right to inspect such items to determine the validity of the certification.

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

a. First article inspection (see 4.3).
b. Quality conformance inspection (see 4.4).

4.3 First article inspection. When a first article is required (see 3.1 and 6.2), it shall be examined for the defects specified in 4.4.2 and 4.4.3 and tested as specified in 4.4.4.

4.4 Quality conformance inspection. Unless otherwise specified, sampling for inspection shall be performed in accordance with MIL-STD-105.

4.4.1 Component and material inspection. In accordance with 4.1, components and materials shall be inspected in accordance with all the requirements of referenced documents unless otherwise excluded, amended, modified or qualified in this specification or applicable purchase document.

4.4.1.1 Certification. A certificate of compliance may be acceptable as evidence that the materials and paint compositions conform to the requirements specified in 3.2.1 through 3.3.

4.4.2 End item visual examination. The end items shall be examined for defects listed in table III. The lot size shall be expressed in units of paint container or sticks with dispenser of the same color combination. The sample unit shall be one paint container or stick with dispenser. The

inspection level shall be I. The acceptable quality level (AQL), expressed in terms of defects per hundred units, shall be 1.5 for major defects and 6.5 for total (major and minor combined) defects.

TABLE III. End item visual defects

Examine	Defect	Classification Major	Minor
Construction, type I	Not as specified	101	
	Cover not snug-fitting; not readily opened with fingers.		201
	Falls off from own weight		202
Construction, type II	Not cylindrical body; not straight tube; ends not smooth or contain burrs; side seam not securely locked		203
Finish	Not as specified		204
	Coating (type II) not uniform; soft, smudged, removed, missing		205
Label	Omitted, illegible, incorrect or incomplete	102	
	Not in black ink		206
Face paint	Each paint color not located in separate compartment (type I)	103	
	Tube not specified color combination	104	
Workmanship	Not clean, smooth or homogeneous		207
	Note: When the shade of the paint is examined and the surface is slightly smeared with the shade of the other paint(s), this smear shall not be considered a defect.		
	Any portion of a paint falls from the container or the tube when cap is removed		208
	Paint breaks when pressed with fingers or the stick breaks when completely pushed out of the dispenser		209
	Container does not contain the four specified colors of paint (type I); stick does not consist of two colors		210
	Two paint colors not joined end to end to form one continuous stick		211

TABLE III. End item visual defects (cont'd)

Examine	Defect	Classification Major	Minor
Workmanship (cont'd)	Paint/stick is loose in container or dispenser	105	
	Odor stronger than nearly odorless; rancid	106	

4.4.3 End item dimensional examination. The end items shall be examined for conformance to the dimensions specified on the drawing (type I) or in 3.7.2 and 3.7.3 (type II). Only those dimensions that can be evaluated without damaging or disassembling the end items shall be examined. Any dimension not within the specified tolerance shall be classified as a defect. The lot size shall be expressed in units of paint containers for type I and one stick with dispenser for type II. The sample unit shall be one paint container or one stick with dispenser. The inspection level shall be S-3. The AQL, expressed in terms of defects per hundred units, shall 2.5.

4.4.4 End item testing. The end items shall be tested for the characteristics indicated in table IV. For type I, the sample unit shall be one compact-type container with paints. For type II, the sample unit shall be two sticks of face paint of the specified color combination. Not more than one sample unit shall be drawn from any one shipping container, when practicable. The sample size shall be five sample units selected at random from the lot. Any test failure shall be cause for rejection of the lot.

TABLE IV. End item tests

Characteristic	Requirement paragraph	Test method
Softness	3.4	4.5.6
Color matching	3.5	4.5.1
Color uniformity	3.5	4.5.2
Presence of holes	3.7	4.5.3
Label fastness	3.8.2 and 3.9	4.5.4
Paint performance	3.10	4.5.5

4.4.5 Packaging examination. The fully packaged end items shall be examined for the defects listed below. The lot size shall be expressed in units of shipping containers. The sample unit shall be one shipping container fully packaged. The inspection level shall be S-2. The AQL, expressed in terms of defects per hundred units, shall be 2.5.

Examine	Defects
Marking	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 sealing or closure of flap, improper taping, loose strapping, or inadequate stapling Bulged or distorted container
Content	Number of paint containers per shipping container is more or less than specified

4.4.6 Palletization examination. The fully packaged and palletized end items shall be examined for the defects listed below. The lot size shall be expressed in units of palletized unit loads. The sample unit shall be one palletized unit load, fully packed. The inspection level shall be S-1. The AQL, expressed in terms of defects per hundred units, shall be 6.5.

Examine	Defect
Finished dimensions	Length, width, or height exceeds specified maximum requirement
Palletization	Pallet pattern not as specified Load not bonded as specified
Weight	Exceeds maximum load limits
Marking	Omitted; incorrect; illegible; of improper size, location, sequence, or method of application

4.5 Methods of inspection.

4.5.1 Color matching test. Remove each of the face paints from its compartment (type I only). Rub each of the face paints stick or compact-type on a piece of soft white paper until a solid area of color at least 1 inch square is obtained. Compare each rubout with the applicable standard color chip in FED-STD-595. Any failure to match a color chip shall be a test failure.

4.5.2 Color uniformity test. Cut each of the face paints lengthwise after removal from container in such a manner as to obtain a clean cut and examine the cut surfaces. Any evidence of color specks, segregation, or streaks shall be a test failure.

4.5.3 Presence of holes test. Examine each of the cut face paints (see 4.5.2) for holes and voids. The presence of two or more holes or voids larger than 1/8 inch in diameter shall be a test failure.

4.5.4 Label fastness test. An area of approximately 1 square inch of the container/coated dispenser exterior shall be covered with a full hiding layer of the face paint and allowed to stand thus for 24 hours at room temperature (70°F to 80°F). The test area shall include some of the printed matter. At the end of this time, the face paint shall be wiped off the test area of the container/dispenser with the aid of facial tissue. The test area of coating and printing shall be examined by comparison with adjacent unexposed areas for evidence of softening of the coating, smudging, removal, or other effect. Examination for softening shall be made by scraping in continuous strokes with the thumbnail through both the test area and adjacent unexposed area and noting any evidence of softening. Any evidence of smudging or removal of the printed matter shall be a test failure.

4.5.5 Performance test. Condition each color of face paint at a temperature between 70° to 80°F for at least 1 hour. Under the same conditions, apply the face paint over an area of 1 by 2 inches of previously dried skin on the back of the hand. Ease of application shall be defined by whether or not the paint readily transfers from cake/stick to skin without requiring repeated application to the same area to obtain an opaque coating. Rub the painted area with finger to define whether or not the paint will spread and form a uniform coating covering the skin. Immerse the painted area in water (75° to 80°F) for a period of 1 minute. With the area immersed in water and using moderate pressure, rub the area with the fingers of the other hand for 1 minute. Observe if face paint is washed off. A transfer of some face paint to the fingers is acceptable. Any failure to conform to the requirements in 3.10 shall be a test failure.

4.5.6 Softness test. The softness of the face paint shall be determined in accordance with ASTM D 1321 with exceptions stated in 4.5.6.1 and 4.5.6.2.

4.5.6.1 Preparation of test specimen. The specimen shall not be removed from the dispenser or melted prior to test. The dispenser and stick of face paint shall be conditioned in a room 72 ± 2°F for 24 hours prior to testing. The end of the stick must be smooth and even with the edges of the dispenser. If necessary, remove about 1/4 inch of the stick using a sharp knife. A cork or rubber stopper shall be placed at the bottom of the dispenser to raise the stick to the proper level and to ensure a solid foundation.

4.5.6.2 Procedure. Make penetration tests not less than 1/8 inch apart nor less than 1/8 inch from the sides of the dispenser.

5. PACKAGING

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

5.1.1 Level A. Face paint compacts and sticks do not require preservation.

5.1.1.1 Intermediate packaging.

5.1.1.1.1 Type I. Compacts do not require intermediate packaging.

5.1.1.1.2 Type II. One hundred face paint sticks, of one color only, shall be packaged in a fiberboard box conforming to style RSC, grade 200 of PPP-B-636. The box shall be closed in accordance with method II as specified in the appendix of PPP-B-636.

5.1.2 Commercial. Face paint sticks and compacts shall be preserved and packaged in accordance with ASTM D 3951.

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

5.2.1 Level A packing.

5.2.1.1 Type I. Two hundred compacts, preserved as specified in 5.1, shall be packed in a shipping container conforming to style RSC-L, grade V2s of PPP-B-636. Inside dimensions of the box shall be approximately 15-1/4 inches in length, 12-3/4 inches in width, and 5-1/2 inches in depth. Each box shall be closed, waterproofed and reinforced in accordance with the appendix of PPP-B-636.

5.2.1.2 Type II. Four hundred sticks, preserved as specified in 5.1, shall be packed in a shipping container conforming to style RSC, grade V2s of PPP-B-636. Each box shall be closed, waterproofed and reinforced in accordance with the appendix of PPP-B-636.

5.2.2 Level B packing.

5.2.2.1 Type I. Two hundred compacts, preserved as specified in 5.1, shall be packed in a shipping container conforming to style RSC-L, grade 275 of PPP-B-636. Inside dimensions of the box shall be approximately 15-1/4 inches in length, 12-3/4 inches in width, and 5-1/2 inches in depth. Each box shall be closed in accordance with method II as specified in the appendix of PPP-B-636.

5.2.2.2 Type II. Four hundred sticks, preserved as specified in 5.1, shall be packed in a shipping container conforming to style RSC, grade 275 of PPP-B-636. Each box shall be closed in accordance with method II as specified in the appendix of PPP-B-636.

5.2.3 Commercial packing. Sticks and compacts, preserved as specified in 5.1, shall be packed in accordance with ASTM D 3951.

5.3 Palletization. Sticks or compacts, packed as specified in 5.1, shall be palletized on a 4-way entry pallet in accordance with load type Ia of MIL-STD-147. Each prepared load shall be bonded with straps in accordance with bonding means C and D or film bonding means F or G. Pallet pattern shall be number 96 for type I and an appropriate pattern for type II in accordance with the appendix of MIL-STD-147.

5.3.1 Commercial palletization. Sticks or compacts shall be palletized in accordance with ASTM D 3951.

5.4 Marking. Marking of unit packs, shipping containers and unit loads shall be 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 face paint is intended for use on exposed parts of the skin, i.e., face, back of neck and hands, to color them for camouflage purposes. The following color combinations are recommended for the indicated terrains:

Green and loam - For grass or foliage covered areas.
Green and sand - For desert areas.
White and loam - For snow covered areas.

6.2 Acquisition requirements. Acquisition documents must 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 2.1.1 and 2.2).
c. Color combination required (see 1.2).
d. When a first article is required (see 3.1, 4.3 and 6.3).
e. Levels of preservation, packaging, packing and palletization (see 5.1, 5.2 and 5.3).

6.3 First article. When a first article is required, it shall be inspected and approved under the appropriate provisions of FAR 52.209-4. The first article should be a preproduction sample. The contracting officer should specify the appropriate type of first article and the number of units to be furnished. The contracting officer should also include specific instructions in acquisition documents regarding arrangements for selection, inspection, and approval of the first article.

6.4 Wax-oil composition. In tables I and II composition, the amount of ceresine wax and mineral oil may be varied over a range of 6 parts by weight

to obtain the required softness. This is necessary because of the differences in the oil absorption of the various color pigments.

6.5 H. Kohnstamm color numbers. H. Kohnstamm color numbers are pigments manufactured by H. Kohnstamm & Company, Inc. that have been approved by FDA and the Office of the Surgeon General to be used for the paint, face formulations.

6.6 Subject term (key word) listing.

Battle dress uniform
Infrared
Skin paint

6.7 Changes from previous issue. Due to extensive changes from the previous issue, asterisks were not used to indicate changes made in this document.

Custodians:

Army - GL
Navy - MC
Air Force - 68

Preparing activity:

Army - GL

(Project 6850-1122)

Review activities:

Army - MD
DLA - GS
DPSC - RSTH - 25

User activity:

Navy - MS

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.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

I RECOMMEND A CHANGE:	1. DOCUMENT NUMBER	2. DOCUMENT DATE (YYMMDD)
	MIL-P-2018J	1993 June 14

3. DOCUMENT TITLE

PAINT, FACE, CAMOUFLAGE

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	b. TELEPHONE (Include Area Code)	
U.S. Army Natick RD&E Center	(1) Commercial 508-651-4532	(2) AUTOVON/DSN 256-4532
c. ADDRESS (Include Zip Code) Commander, U.S. Army Natick RD&E Center ATTN: SATNC-IRT Natick, MA 01760-5019	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	