DEFENSE LOGISTICS AGENCY

Established 1961

DLA Packaging and Marking Guide

May 2025

THE NATION'S LOGISTICS COMBAT SUPPORT AGENCY

PEOPLE ★ PRECISION ★ POSTURE ★ PARTNERSHIPS **WARFIGHTER ALWAYS**

Distribution Statement A, Approved for public release. Distribution Unlimited.

DLA Packaging

Material procured, received, stored and issued by DLA requires proper care to ensure that the items arrive and remain in a ready-for-issue condition.

Distribution Statement A, Approved for public release. Distribution Unlimited.

Importance of Packaging

Importance

- Material that is procured, received, stored, and issued must be properly identified and packaged at the time of receipt.
- The warfighter must receive the right item, on time, properly packaged.

Distribution Statement A, Approved for public release. Distribution Unlimited.

Contractual Requirements

- Section B of the contract contains
  - RA001: Incorporates the TQ master requirements.
  - RP001: DLA Packaging Requirements for Procurement
  - RP003: Preservation, Packaging, Packing and Marking Requirements for Federal Aviation Administration Commercial Material

- The prep for delivery section displays the packaging requirements that pass from the material master and could contain additional requirements such as
  - IP025: Packaging, Marking, and Shipping of Hazardous Materials
  - IP027: Packing and Marking Requirements Federal Stock Class (FSC) 5961Semiconductors and Hardware Devices and FSC 5962 Electronic Microcircuits
  - IP042: Oxygen Clean Packaging and Marking Requirements Apply
  - IP046: Individual Repair Parts Ordering Data (IRPOD) Packaging Requirements Apply
  - IP056: Mercury or Mercury Compounds are Prohibited in Preservation, Packaging, Packing and Marking
  - IP083: Packaging, Marking, and Shipping of Metal Plating, Sheets, and other Metal Products

Distribution Statement A, Approved for public release. Distribution Unlimited.

Technical and Quality Master List of Requirements

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED: SPE4A6-20-P-1661	PAGE 3 OF 6 PAGES

SECTION B

SUPPLIES/SERVICES: 4931-01-115-5443

ITEM DESCRIPTION:

SLING, UNIVERSAL
RA001: THIS DOCUMENT INCORPORATES TECHNICAL AND/OR QUALITY REQUIREMENTS (IDENTIFIED BY AN 'R' OR AN 'I' NUMBER) SET FORTH IN FULL TEXT IN THE DLA MASTER LIST OF TECHNICAL AND QUALITY REQUIREMENTS FOUND ON THE WEB AT:

http://www.dla.mil/HQ/Acquisition/Offers/eProcurement.aspx

Link to DLA Master List of Technical and Quality Requirements

FOR SIMPLIFIED ACQUISITIONS, THE REVISION OF THE MASTER IN EFFECT ON THE SOLICITATION ISSUE DATE OR THE AWARD DATE CONTROLS. FOR LARGE ACQUISITIONS, THE REVISION OF THE MASTER IN EFFECT ON THE RFP ISSUE DATE APPLIES UNLESS A SOLICITATION AMENDMENT INCORPORATES A FOLLOW-ON REVISION, IN WHICH CASE THE AMENDMENT DATE CONTROLS.

Callout for RP001: DLA Packaging Requirements for Procurement

RP001: DLA PACKAGING REQUIREMENTS FOR PROCUREMENT

RQ011: REMOVAL OF GOVERNMENT IDENTIFICATION FROM NON-ACCEPTED SUPPLIES

MIL-STD-130N(1) DATED 16 NOV 2012.
IDENTIFICATION MARKING OF U.S. MILITARY PROPERTY

Distribution Statement A, Approved for public release. Distribution Unlimited.

Technical and Quality Master List of Requirements,

http://www.dla.mil/hq/acquisition/offers/eprocurement.aspx

- Choose the version of the TQ requirements that were in place at the time of award.

Technical and Quality Master List of Requirements

Document Name	Version	Modified Date
Master List of Technical and Quality Requirements	PDF Rev-35	17 June 2024

DLA Master List of Technical and Quality Requirements June-17-2024 Rev-35

Changes have been made to Rev-35 because of broken links.

Archived Versions of the Technical and Quality Master List of Requirements

Distribution Statement A, Approved for public release. Distribution Unlimited.

Technical and Quality Master List of Requirements

DLA Master List
Of
Technical and Quality Requirements
Version 35
June 17, 2024

Changes from previous revisions are indicated with yellow highlighting to mark text altered or added.

HQ Defense Logistics Agency
Technical and Quality Assurance Division
Logistics Operations

I. Technical and Quality Assurance Requirements

RA001: Technical and Quality Requirement Documentation 4
RC001: Documentation Requirements for Source Approval Request (SAR) 4
RD001: Demilitarization: Small Arm Weapons and Parts and Accessories (Category I – Munitions List Items, Category I–DoDM 4160.28- Vol 3) 5
RD002: Covered Defense Information Applies 5
RD003: Covered Defense Information May Apply 5
RP001: DLA Packaging Requirements for Procurement 5
RP003: Preservation, Packaging, Packing and Marking Requirements for Federal Aviation Administration Commercial Material 9
RQ001: Tailored Higher Level Contract Quality Requirements (Manufacturers and Non-Manufacturers) 11
RQ002: Configuration Change Management – Engineering Change Proposal Request for Variance (Deviation or Waiver?) 12
RQ003: Configuration Change Management Army Combat Capabilities Development Command Chemical Biological Center (DEVCOM-CBC) - Engineering Change Proposal Request for Variance (Deviation or Waiver) 13
RQ004: Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) 15
RQ005: Lengths, Tickets, Packaging, Marking of Cuts or Pieces – DLA Troop Support, Clothing and Textiles (C&T) 15
RQ006: Quality Conformance Inspection Requirements 16
RQ007: Qualified Manufacturers (QML) Integrated Circuits, Hybrid Microcircuits and Semiconductor Devices – DLA Maritime 19
RQ008: Warranty of Industrial Plant Equipment (IPE) Federal Supply Group (FSG) 34 20
RQ009: Inspection and Acceptance at Origin 22
RQ010: Data Name Plates 23
RQ011: Removal of Government Identification from Non-Accepted Supplies 23
RQ012: Qualified Products List (QPL) Connector Assemblies and QPL Electrical Contacts 24
RQ014: Qualified Suppliers List of Distributors (QSLD) and Qualified Testing Suppliers List (QTSL) for Federal Supply Class (FSC) 5961 Semiconductors and Hardware Devices and FSC 5962 Electronic Microcircuits 25
RQ015: Qualified Suppliers List for Manufacturers (QSLM)/Qualified Suppliers List for Distributors (QSLD) for Troop Support 25
RQ016: Component Qualified Products Lists (QPL)/Qualified Manufacturers Lists (QML) 25
RQ017: Physical Identification/Bare Item Marking 26

Distribution Statement A, Approved for public release. Distribution Unlimited.

Coded Packaging Requirements

- Prep for Delivery – Military Packaging – MIL STD 2073-1E

```
PREP FOR DELIVERY:

PKGING DATA - MIL-STD-2073- 1E
QUP:001  PRES MTHD:33  CLNG/DRY:1  PRESV MAT:00
WRAP MAT:00  CUSH/DUNN MAT:00  CUSH/DUNN THKNESS:0
UNIT CONT:BV  OPI:M
INTRMDTE CONT:D3  INTRMDTE CONT QTY:AAA
PACK CODE:U
MARKING SHALL BE IN ACCORDANCE WITH MIL-STD-129.
SPECIAL MARKING CODE:00 -00 No special marking

PALLETIZATION SHALL BE IN ACCORDANCE WITH RP001: DLA PACKAGING
 REQUIREMENTS FOR PROCUREMENT
```

Coded packaging data

Marking requirements

Palletization requirements found in RP001

Distribution Statement A, Approved for public release. Distribution Unlimited.

ASTM D3951 Standard Practice for Commercial Packaging

- Prep for Delivery – ASTM D3951, Standard Practice for Commercial Packaging

PREP FOR DELIVERY:

PKGING DATA-QUP:001

WILL BE PACKAGED IN ACCORDANCE WITH ASTM D3951.

All DLA Master List of Technical and Quality Requirements take precedence over ASTM D3951.
Mark and label all packaging and packing in accordance with MIL-STD-129.
The Unit of Issue (U/I) and Quantity per Unit Pack (QUP) will be as specified in the contract/purchase order.

Quantity per Unit Pack (QUP)- How many units of issue allowed in same unit package

Packaging IAW ASTM D3951

Marking requirements

Distribution Statement A, Approved for public release. Distribution Unlimited.

ASTM D3951, STANDARD PRACTICE FOR COMMERCIAL PACKAGING

- Select items are eligible to be packaged in accordance with ASTM-D3951, Standard Practice for Commercial Packaging
- Commercial packaging QUP:
  - ASTM-D3951, paragraph 5.1.2.2 governs unit package Quantity
  - Generally, use QUP of 001 unless otherwise specified in your contract
- Commercial packaging Intermediate Container Quantity (ICQ):
  - ASTM-D3951, paragraph 5.1.3 governs intermediate package
- Commercial packaging “Marking”:
  - ASTM-D3951, paragraph 5.1.6.5 governs markings for DOD (IAW with MIL-STD-129)

Military vs Commercial Packaging

- Access to commercial standards requires purchase of the standards from the ASTM
  - https://www.astm.org/

Military Packaging	Commercial Packaging
Use of specification materials	Permits use of non-specification materials
Requires interpretation of preservation/packaging/packing instructions	ASTM D3951 provides standard commercial guidelines
Requires the preservation methods and materials from MIL-STD-2073-1	Application of preservation/packing techniques is at the discretion of the vendor
MIL-STD-129 marking required	MIL-STD-129 marking required
Compliant WPM required	Compliant WPM required
Available on ASSIST	Must be purchased

Distribution Statement A, Approved for public release. Distribution Unlimited.

Packaging Standards

- MIL STD 2073-1E, DOD Standard Practice for Military Packaging
- MIL STD 129R, DOD Standard Practice for Military Marking for Shipment and Storage
- ASTM D3951, Standard Practice for Commercial Packaging
- AFMAN 24-604/DLAI 4145.3, Preparing Hazardous Materials for Military Air Shipments
- MIL STD 147E, DOD Standard Practice, Palletized Unit Loads

* Refer to contract/solicitation for appropriate revision (and change number) of specification

Distribution Statement A, Approved for public release. Distribution Unlimited.

ASSIST Quick Search

- DOD packaging regulations, standards and specifications may be obtained online from the ASSIST Quick Search Program http://quicksearch.dla.mil/qsSearch.aspx
- Use the most recent version of all posted documents

Document ID: MIL-PRF-81705 Scroll down to access document images

Overview

Title: Barrier Materials, Flexible, Electrostatic Discharge Protective, Heat-Sealable

Scope: This specification establishes the requirements for heat-sealable, electrostatic discharge protective, flexible barrier materials used for the military packaging of microcircuits, sensitive semiconductor devices, sensitive resistors, and associated higher assemblies. In addition, the type I materials provide for watervaporproof protection and attenuation of electromagnetic interference effects (see 6.1).

Status: Active

Document Date: 12-NOV-2014

Next Review Due: 11-NOV-2019

FSC/Area: 8135

Doc Category: Performance Specification

Qualification

Responsibilities

Lead Standardization Activity: SM LOGSA Packaging, Storage and Containerization Center

Preparing Activity: AS Naval Air Systems Command

Coordination: Full

Army Custodian: GL U.S. Army Natick Soldier Research, Development & Engineering Center

Navy Custodian: AS Naval Air Systems Command

Air Force Custodian: 69 Air Force Life Cycle Management Center - Packaging Technology and Engineeri

DLA Custodian: CC DLA Land and Maritime

Projects

Project Number: 8135-2015-001

Amendments to military specifications or specification sheets issued after August 1, 2003 are incorporated in the modified document.

Revision History

Click on column headings for a description of column content.

Media	Document Part Description	Dist Stmt	Document Date	Pages	Size
	Revision E Notice 1 - Validation	A	12-NOV-2014	1	2.1 KB
	Revision E Amendment 1 (amendment incorporated)	A	08-FEB-2010	25	169.6 KB
	Revision E	A	10-AUG-2009	24	191.5 KB
	Revision D Amendment 1 (amendment incorporated)	A	14-JUL-2004	27	98.8 KB
	Revision D	A	03-SEP-1998	28	100.7 KB
	Revision C	A	25-JAN-1989	33	1549.4 KB

NOTE: It is recommended that you use Adobe Reader v7.0 or higher for optimal download performance; older versions should continue to work, but downloading large files may appear to take longer, so please be patient in those cases.

Packaging Codes – MIL STD 2073-1E, Appendix J

DIGIT POSITION	1 2	3	4 5	6 7	8 9	10	11 12
CORRESPONDING TABLES In Appendix J	J.I & J.Ia	J.II.	J.III	J.IV.	J.V.	J.VI	J.VII.
SEE TABLES IN APPENDIX J	METHOD OF PRESERVATION	CLEANING PROCDEURE	PRESERVATION MATERIAL	WRAPPING MATERIAL	CUSHIONING AND DUNNAGE	CUSHIONING THICKNESS	UNIT CONTAINER
EXAMPLE	42	1	00	EA	LC	C	ED

METHOD 42

ANY APPLICABLE PROCESS IN ACCORDANCE WITH 5.2.1

NO REQUIREMENT

MIL-P-17667, CHEMICALLY NEUTRAL WRAPPING PAPER

PPP-C-795, CLASS 1, CELLULAR PLASTIC FILM CUSHIONING

¾ IN CUSHIONING

ASTM-D5118 TYPE CF, CLASS WEATHER-RESISTANT FIBERBOARD BOX

Distribution Statement A, Approved for public release. Distribution Unlimited.

MIL STD 2037-1E, Packaging Code Lookup

- https://camphill.leidos.com/code_lookup.nsf

- Input packaging codes into designated fields for definitions

Home Contact

Packaging Code Lookup

MIL-STD-2073-1 | Miscellaneous Codes | Code Lookup Home

MIL-STD-2073-1 Packaging Code Descriptions (located on top row) conform to Revision E, change 3, unless otherwise noted. Please enter the desired packaging code(s) into the corresponding entry box and select the "Get Packaging Data" button below. Packaging Codes are derived from MIL-STD-2073-1 and DoD standards. For Unit/Intermediate Container, it is possible to enter two codes. If two codes are desired, place a comma(,) or semi-colon (;) between your entries.

Method of Preservation	Cleaning & Drying	Preservative Materials	Wrapping Material	Cushioning Material	Cushioning Thickness	Unit/Intermediate Container	Packing Code

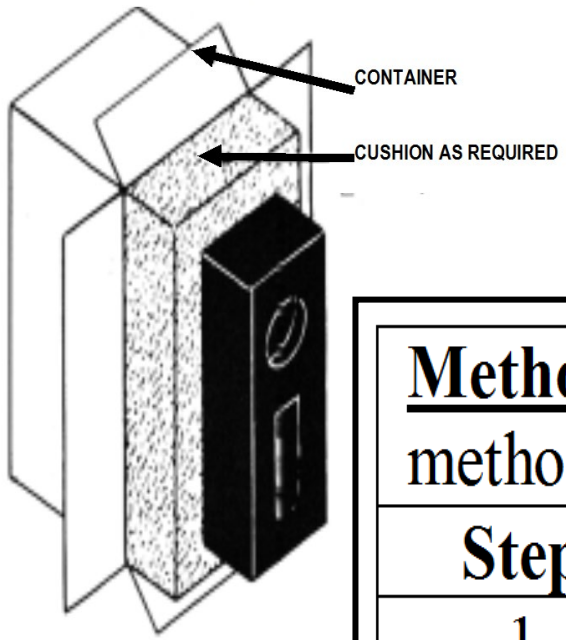
Special Material Content	Hazardous Material	Special Marking	Unit Container Level	Optional Procedures	Shelf-Life	Shelf-Life Action	Type of Storage

Get Packaging Data

NOTE: To view the full MIL-STD-2073-1/DoD code description, select the code title in the result list.

CODE LOOKUP HOME

Method 10 – Physical Protection

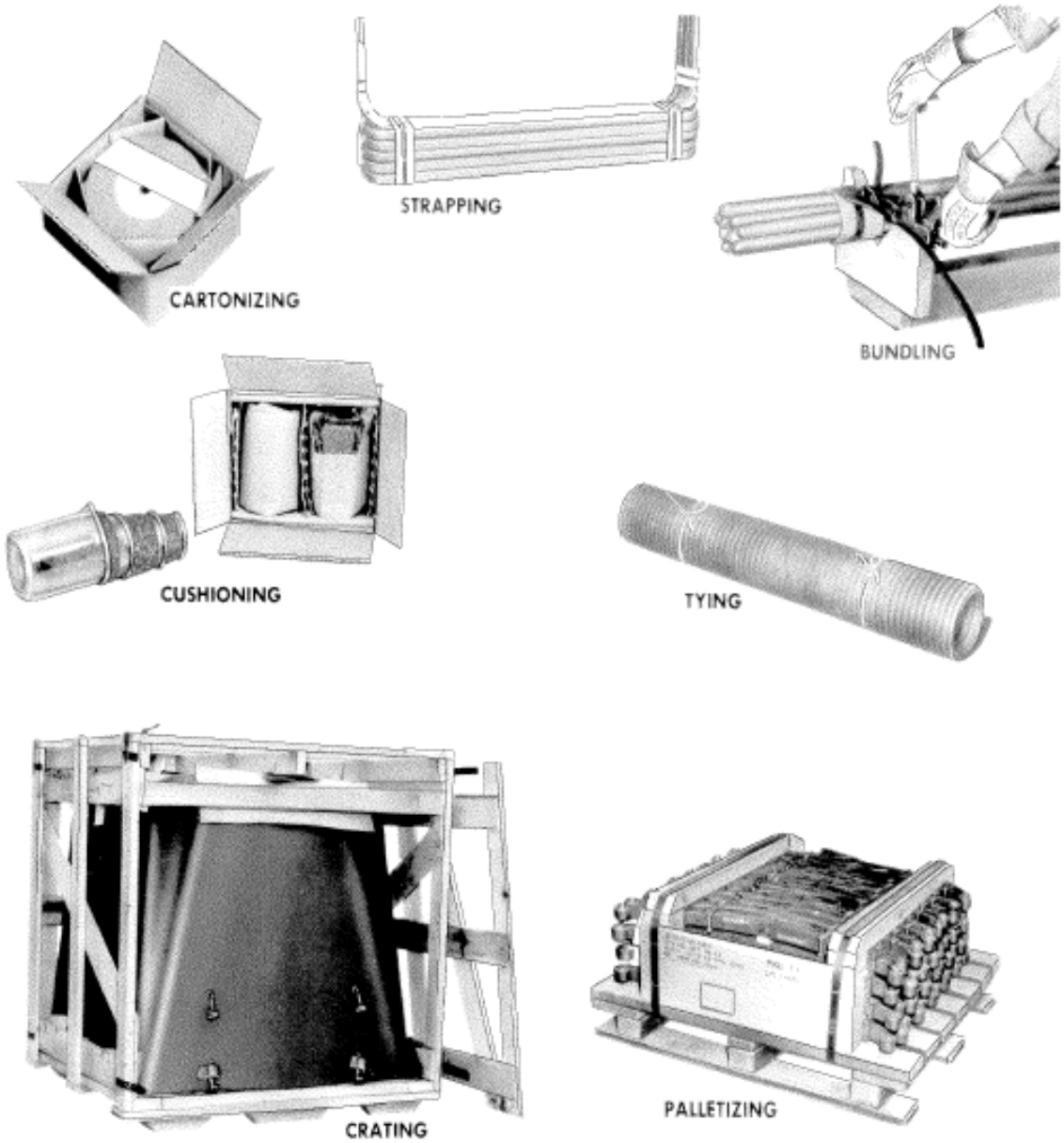


Method 10 Steps— Follow each step to complete the method.

Step	Instruction
1	Clean and dry the item as required
2	Apply cushioning or dunnage or wrap
3	Tie, strap or tape the item to form a unit pack
4	Apply markings

Distribution Statement A, Approved for public release. Distribution Unlimited.

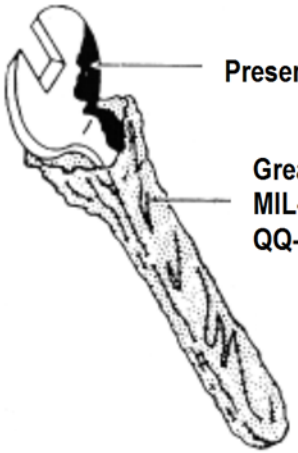
Method 10 – Physical Protection



Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 20 – Preservative Coating Only (with greaseproof wrap, as required

Method 20 – Preservative Coating Only
(with greaseproof wrap, as required)



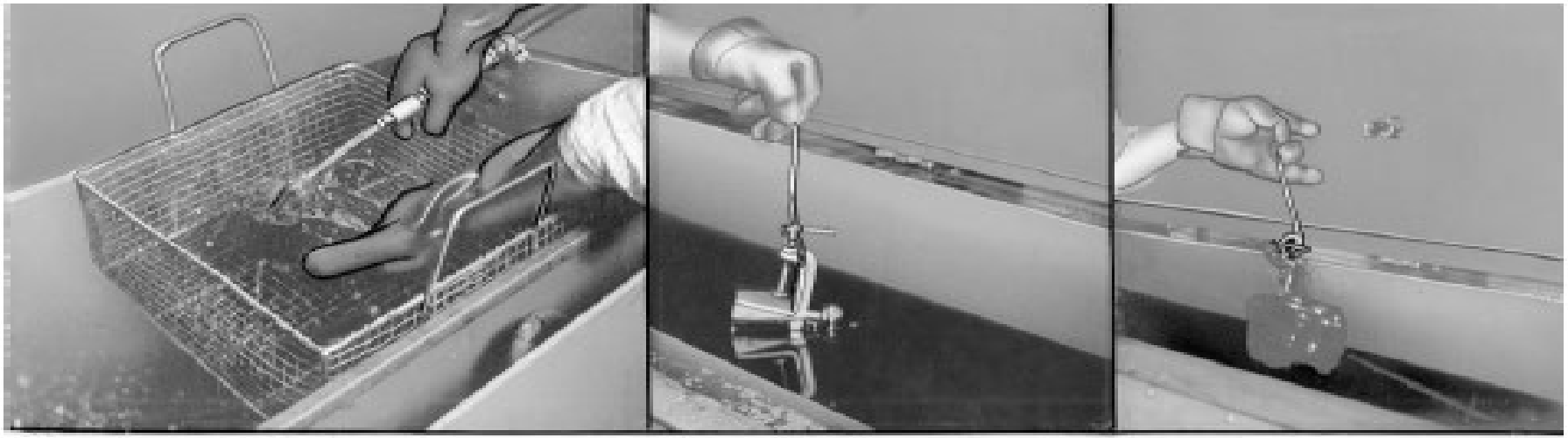
MIL-PRF-16173 hard preserved items and MIL-PRF-3420 or MIL-PRF-22019, VCI protected Items may be exempt from wrapping.

Method 20 Steps — Follow each step to complete the method

Step	Instruction
1	Clean and dry the item.
2	Apply preservative coating to the item.
3	Wrap the item in grease wrap
4	Apply markings to the container.

Distribution Statement A, Approved for public release. Distribution Unlimited.

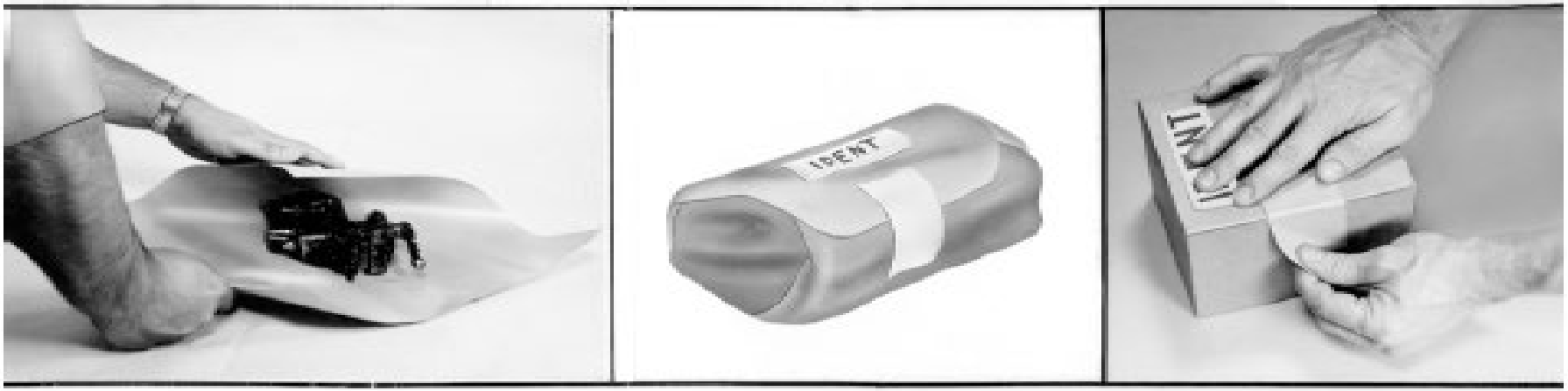
Method 20 – Preservative Coating Only (with greaseproof wrap, as required)



CLEAN ITEM

DIP ITEM IN SOFT PRESERVATIVE

DRAIN EXCESS PRESERVATIVE



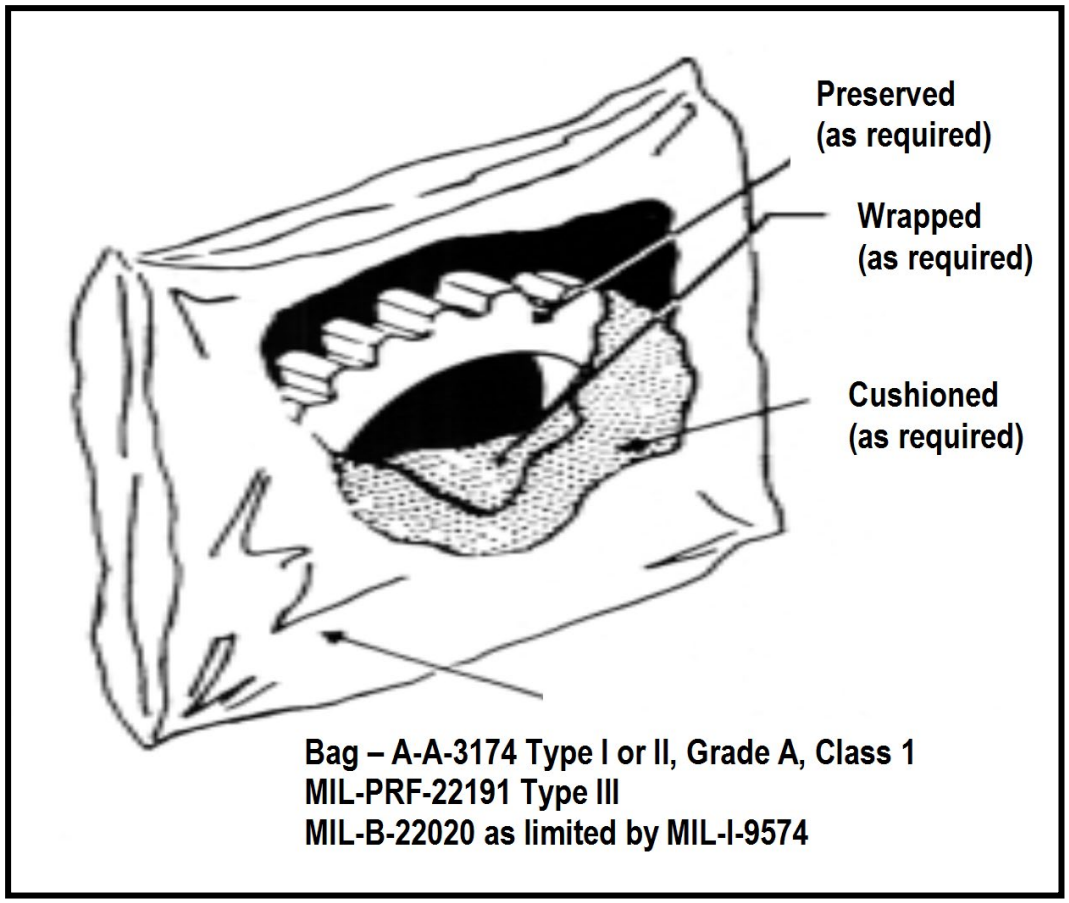
WRAP PRESERVED ITEM IN GREASEPROOF BARRIER

COMPLETED AND IDENTIFIED UNIT PACK

CARTON OPTIONAL (MUST BE IDENTIFIED)

Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 30 – Waterproof or Waterproof-Greaseproof Protection (with preservative as required)

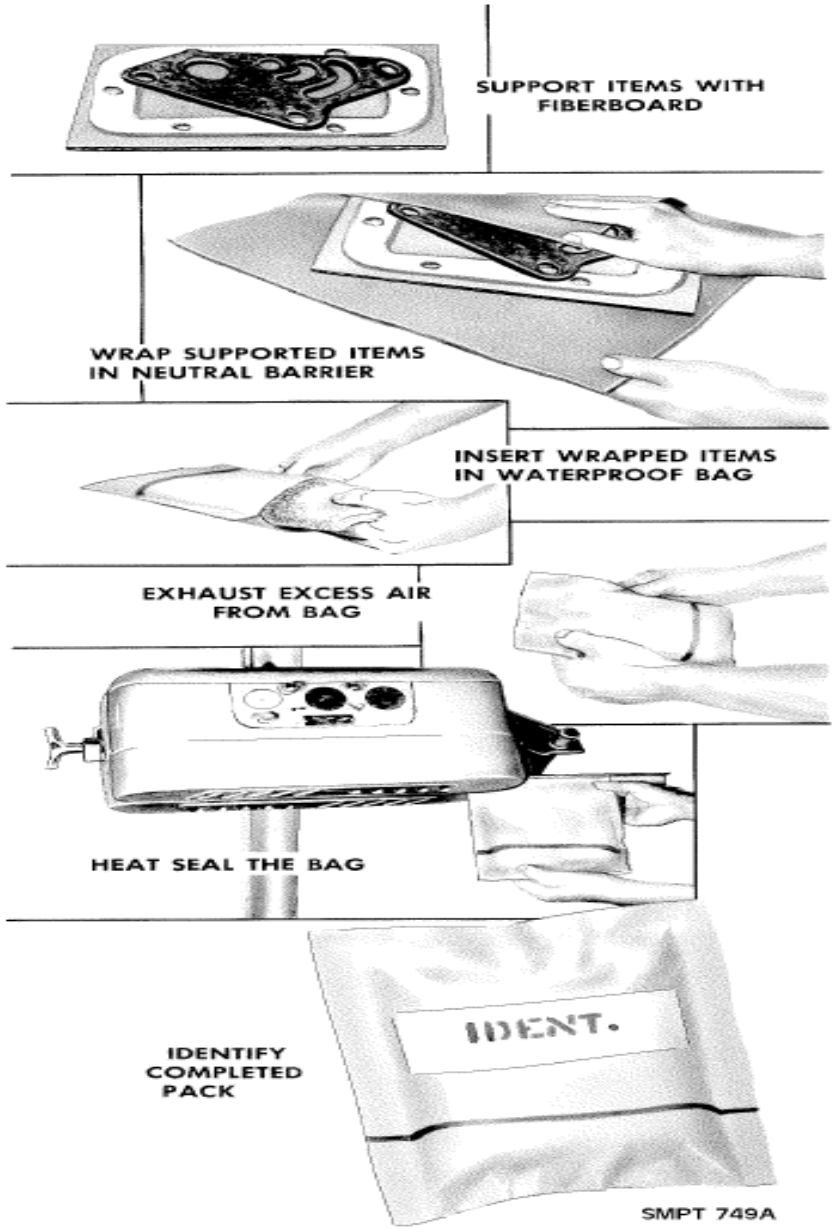


Sub-methods

- Method 31
- Method 32
- Method 33

Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 31
Waterproof Bag, Heat Sealed

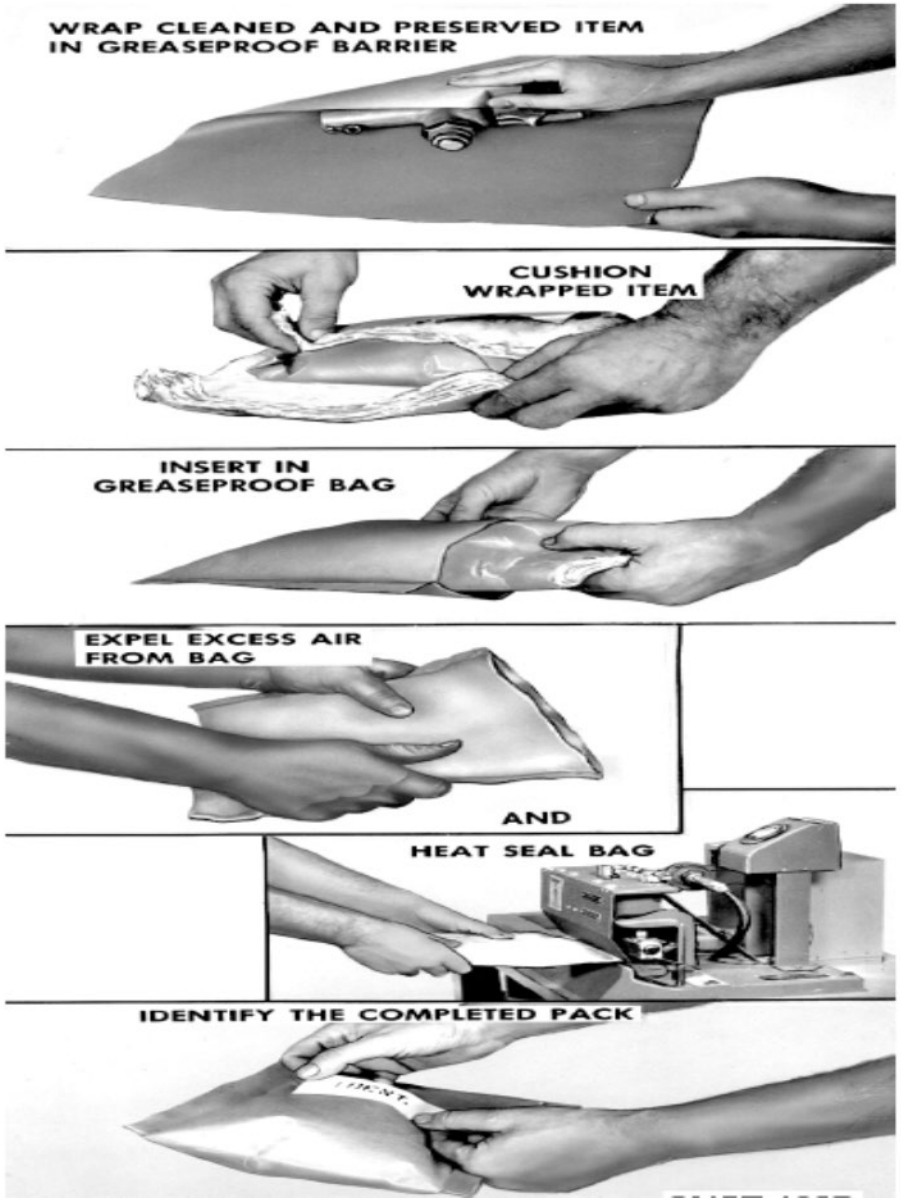


Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 32
Container, waterproof bag, heat sealed

Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 33
Greaseproof-waterproof bag, heat sealed

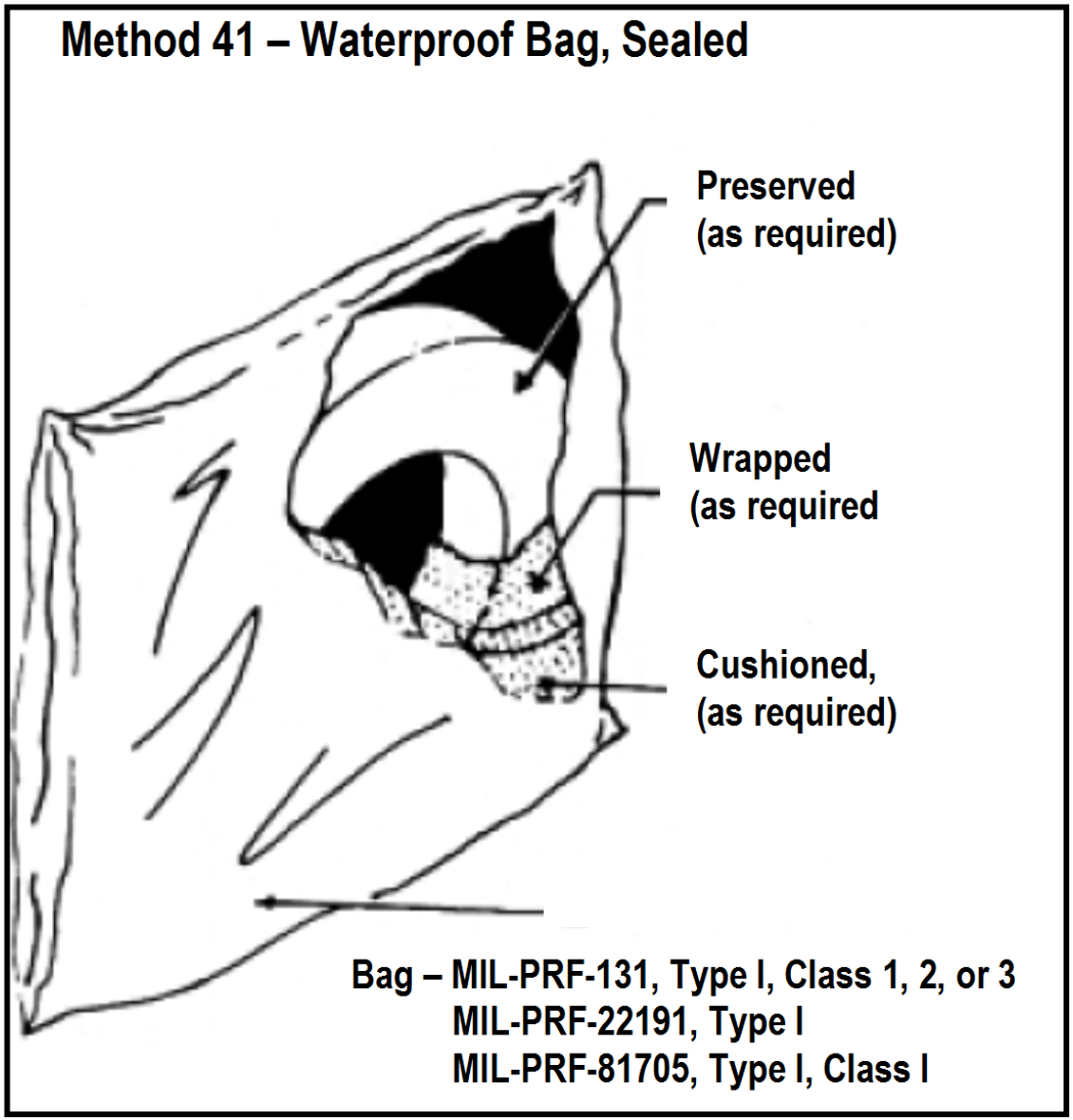


Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 40 – Watervaporproof protection with preservative

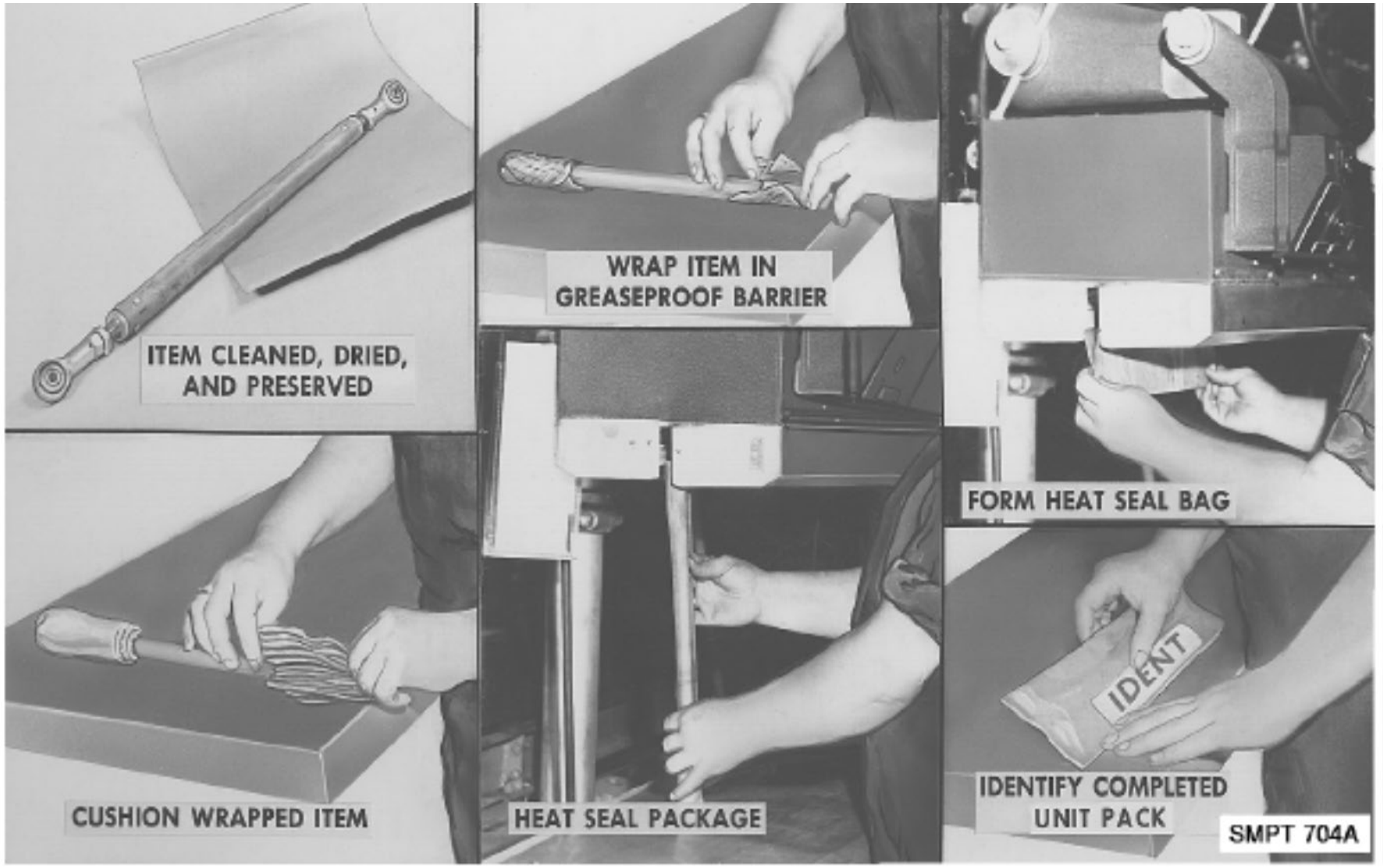
Sub-methods:

- Method 41
- Method 42
- Method 43
- Method 44
- Method 45



Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 41
Watervaporproof bag, heat sealed



Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 42 – Container, Watervaporproof bag, heat sealed, container

Preserved and Wrapped (as required)

Cushioned (as required)

Container

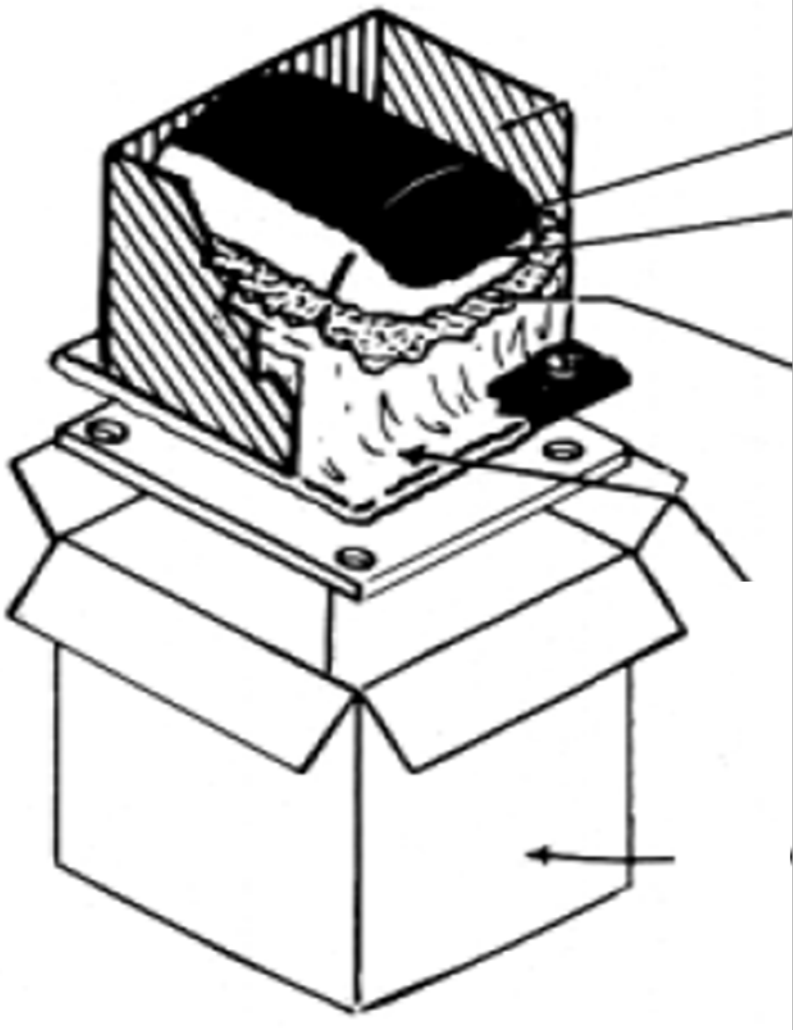
PPP-B-566, PPP-B-565, PPP-B-676, or ASTM-D5118

Bag, MIL-PRF-131 Type 1, Class 1, 2, or 3

Select outer box CI or CII

Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 43 – Floating, watervaporproof bag, heat sealed



Preserved (as required)

Wrapped (as required)

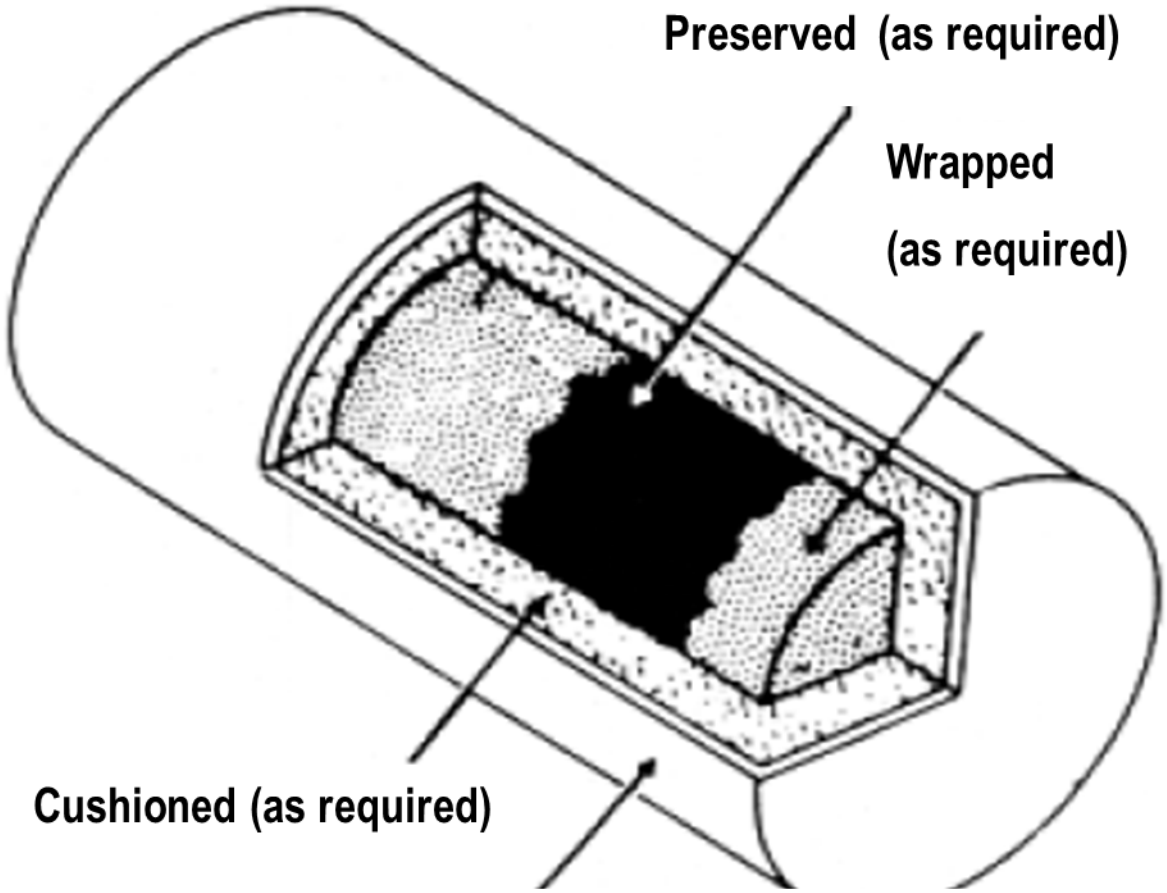
Cushioned (As Required)

Bag MIL-E-6060

Container

Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 44 – Rigid Container (other than metal) sealed

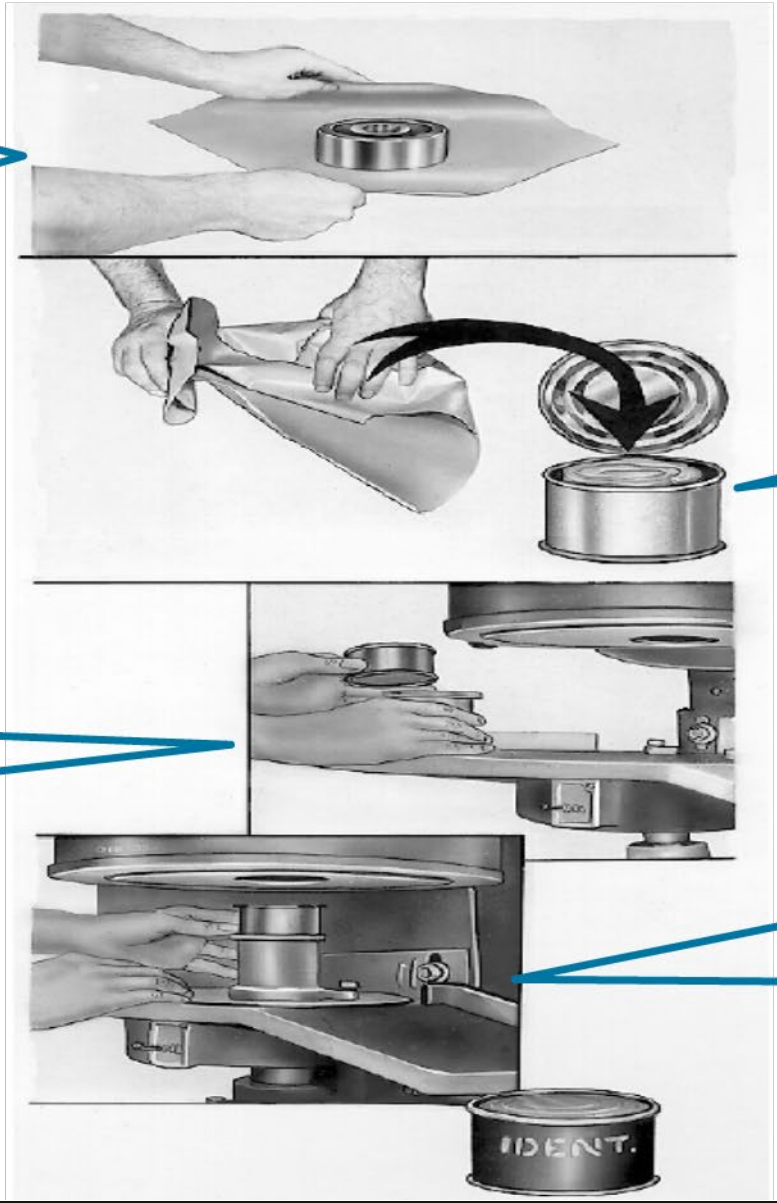


Container Sealed, snug fitting, rigid, other than all metal

Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 45 – Rigid metal container, sealed

Preserve and Wrap as required



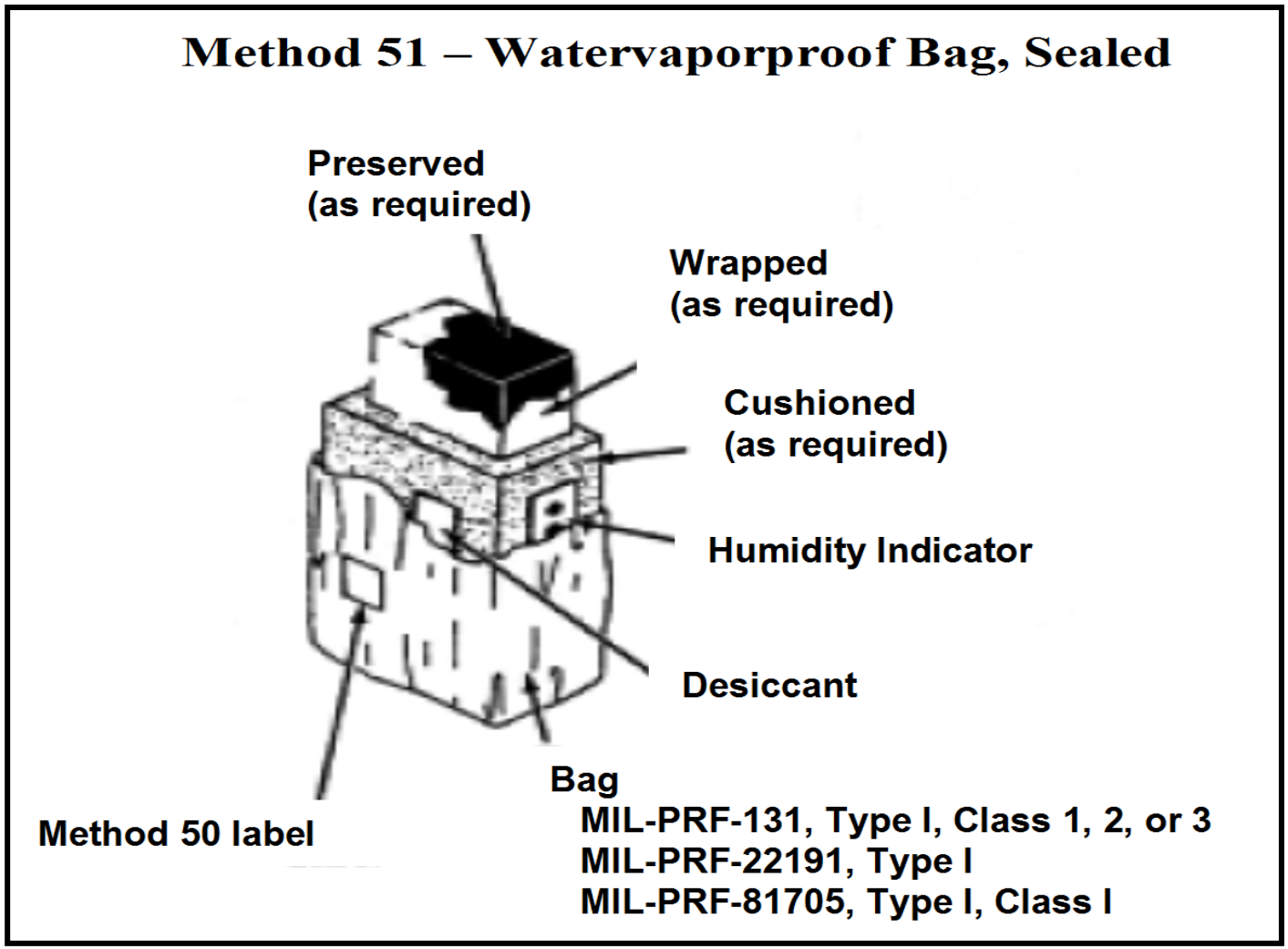
Cushioned as required

Place in Rigid Metal Container

Sealed and Marked IAW MIL-STD-129

Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 50 – Waterproof protection with desiccant



Sub-methods:

- Method 51
- Method 52
- Method 53
- Method 54
- Method 55

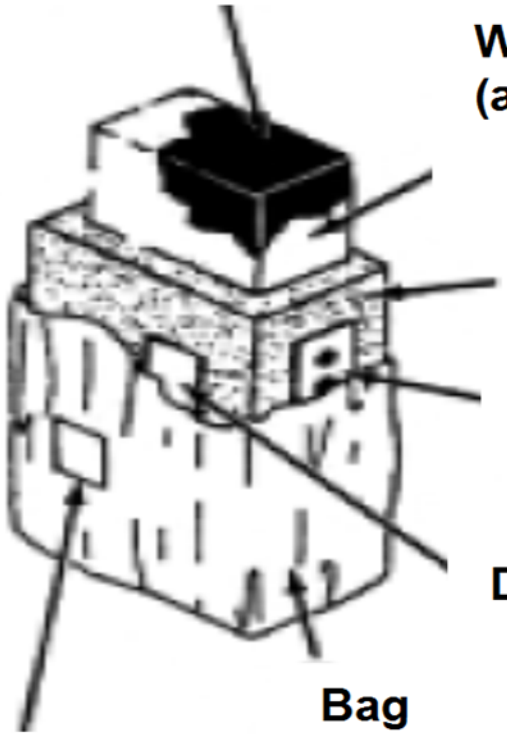
Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 50

Distribution Statement A, Approved for public release. Distribution Unlimited.

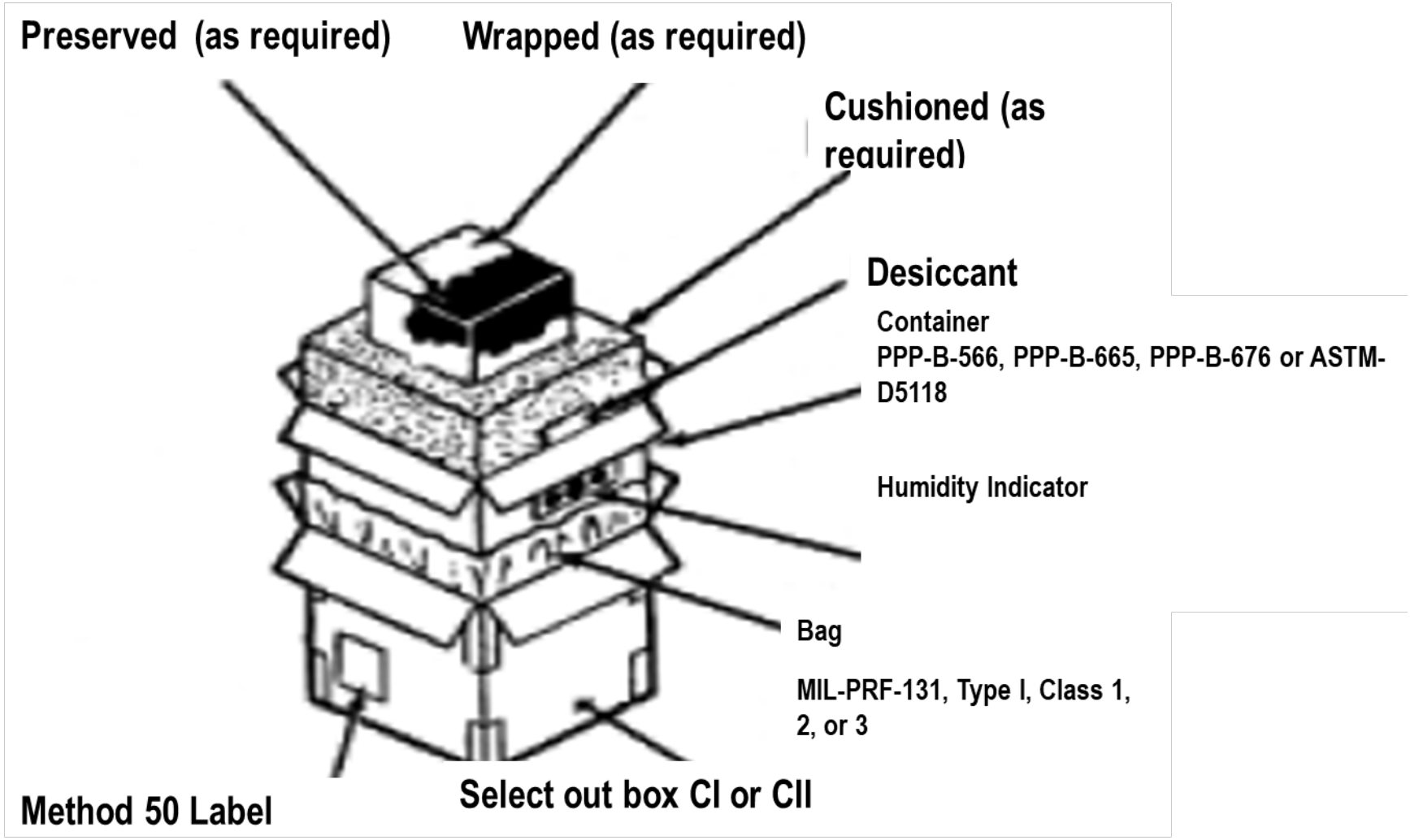
Method 51 – Watervaporproof bag, with desiccant, heat sealed

Method 51 – Watervaporproof Bag, Sealed



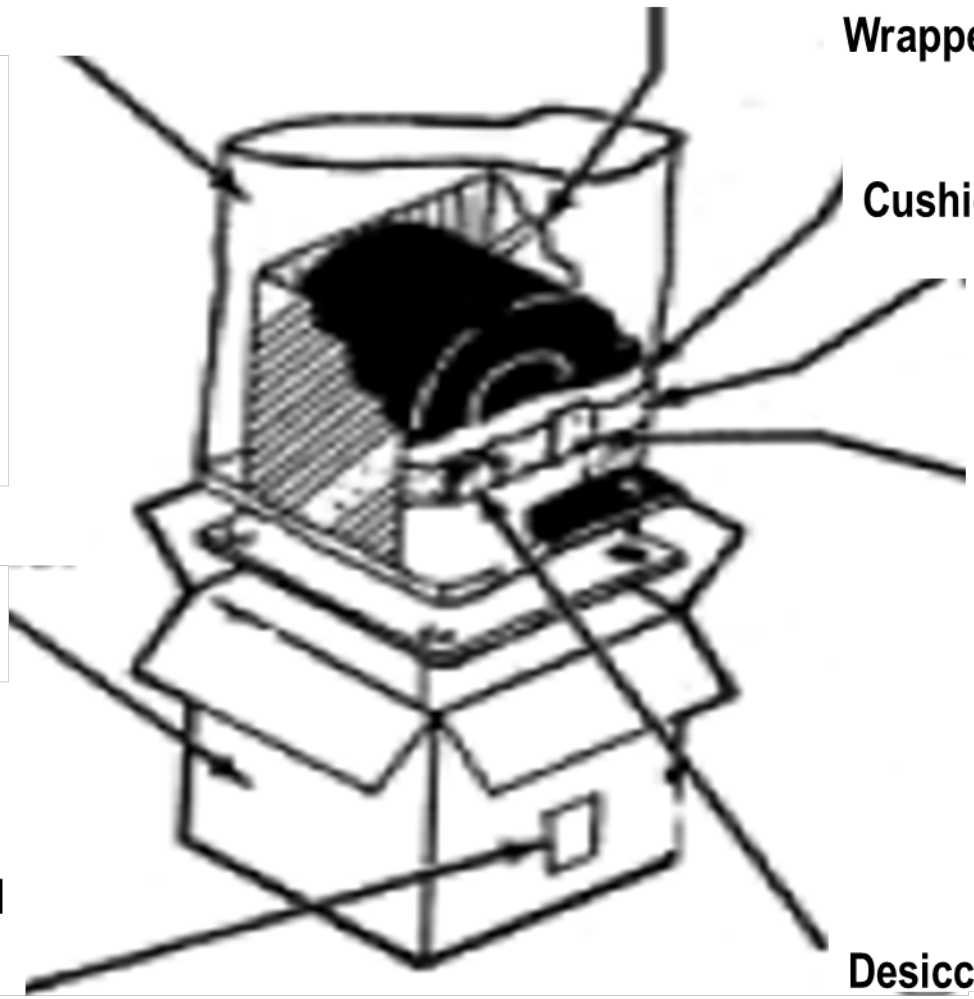
Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 52 – Container, Watervaporproof bag with desiccant, heat sealed, container



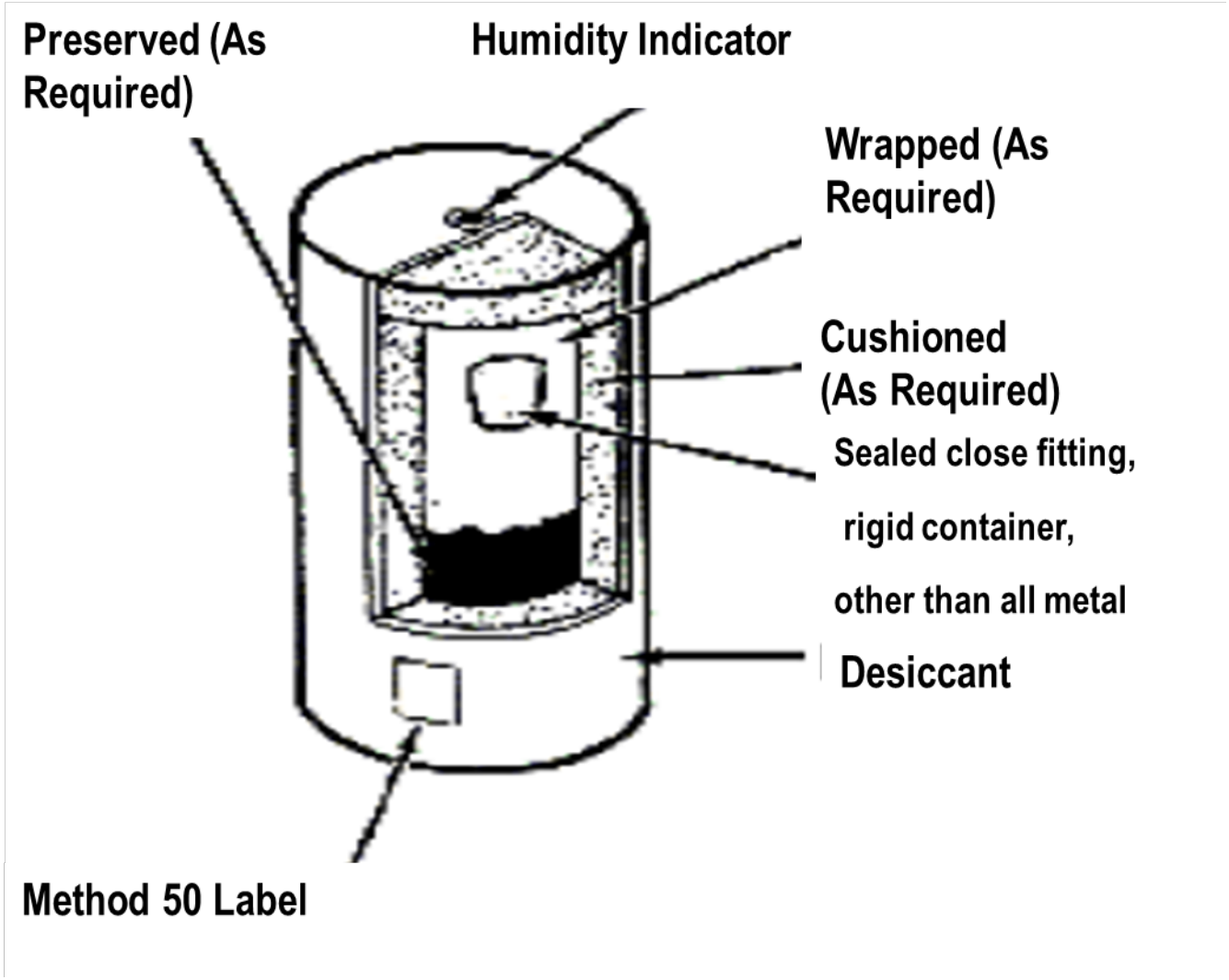
Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 53 – Floating Watervaporproof bag, with desiccant, heat sealed



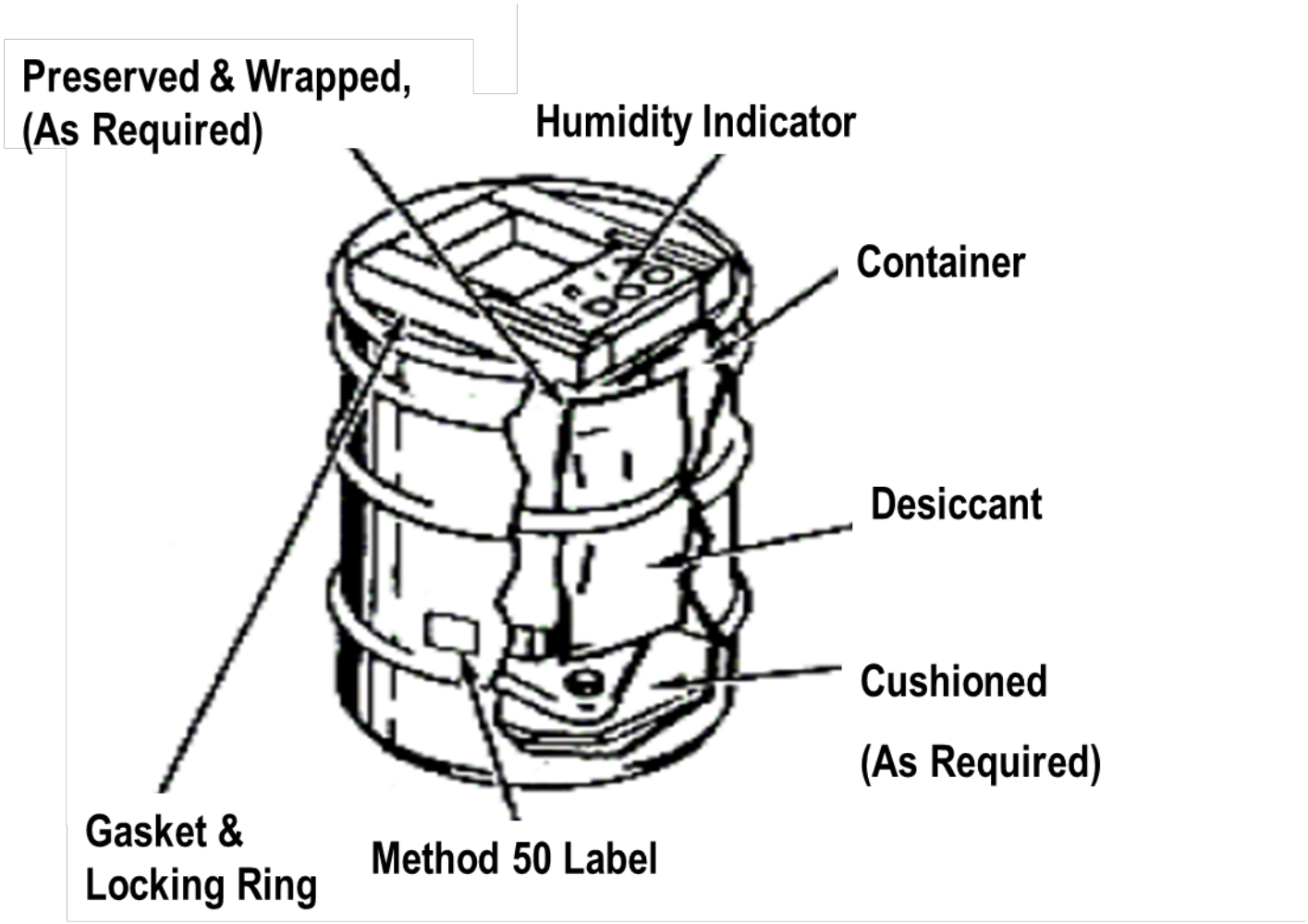
Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 54 – Rigid container (other than metal) with desiccant, sealed



Distribution Statement A, Approved for public release. Distribution Unlimited.

Method 55 – Rigid metal container, with desiccant, sealed



Distribution Statement A, Approved for public release. Distribution Unlimited.

Specialized Methods of Preservation, Table JI.a

AE: Seal or plug all openings MOP 10

GX: Electrostatic Discharge Susceptible (ESDS) items

BL: Seal or plug all openings and preserve using MOP 20

DB: MOP 10 but with specific packaging materials

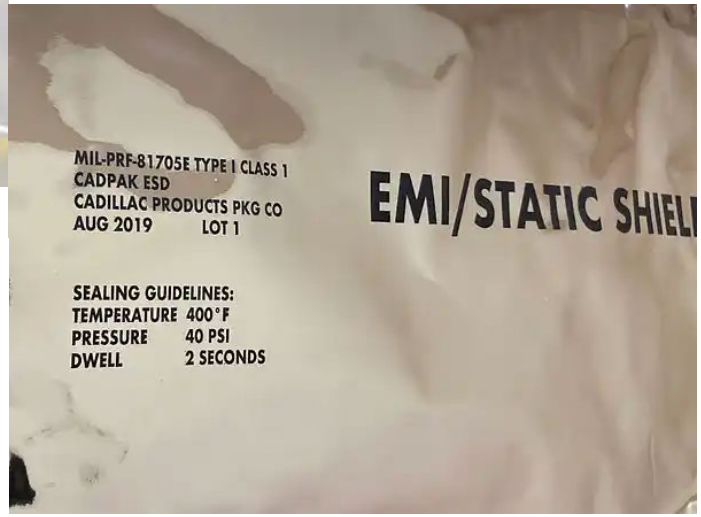
HM: Hazmat use modal regulations

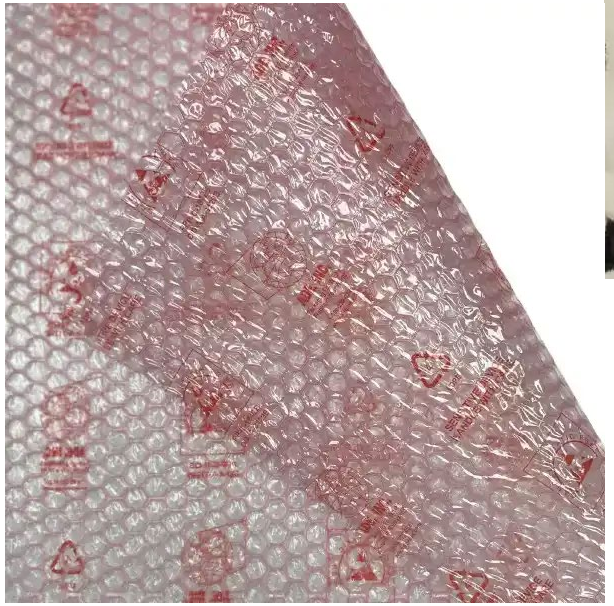
Distribution Statement A, Approved for public release. Distribution Unlimited.

MOP GX – MIL-PRF-81705

Most Vendor Shipments Not Compliant with MOP GX:

- Two approved types
  - Type I-Watervaporproof, electrostatic protective, electrostatic and electromagnetic shielding
    - Class 1
    - Class 2
  - Type III-Transparent, waterproof, electrostatic protective, electrostatic shielding
    - Class 1
    - Class 2





Distribution Statement A, Approved for public release. Distribution Unlimited.

Packaging Materials

Fiberboard

Paperboard

Fast Packs

Barriers, Cushioning, & Wrap

Tapes

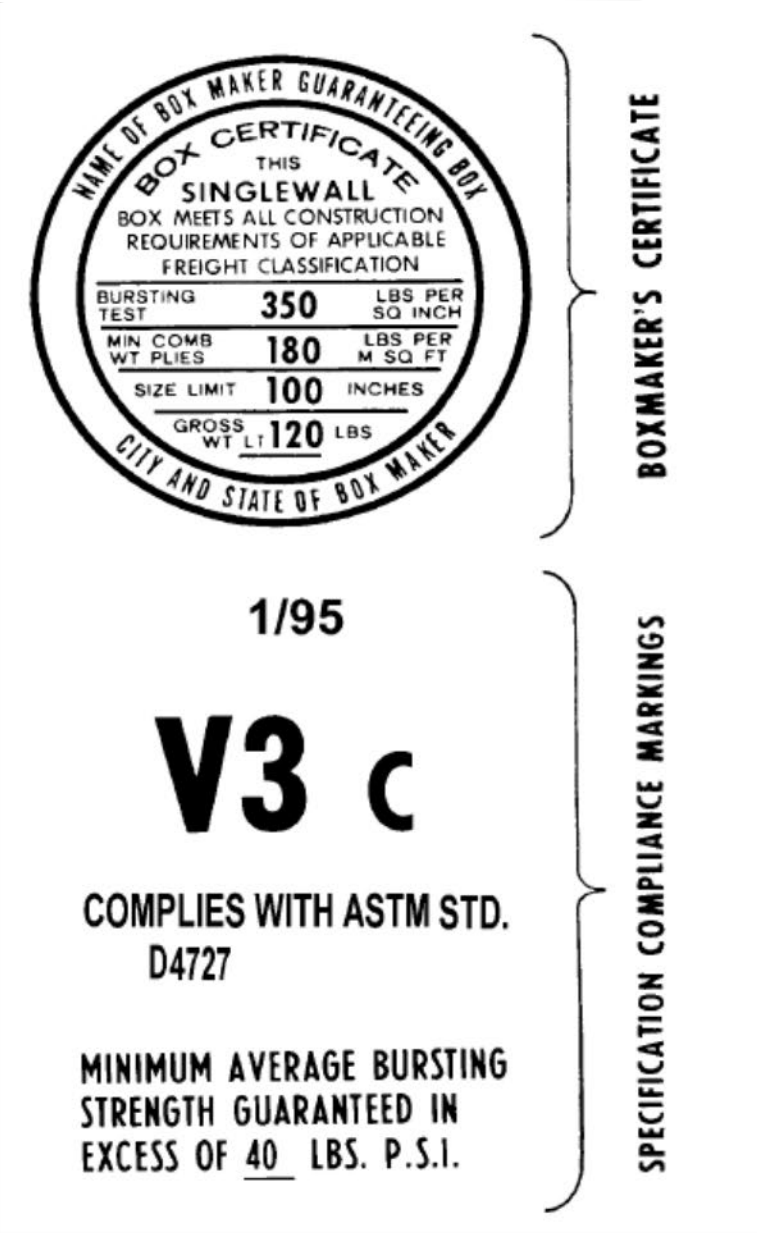
Tags

Strapping

Stretch Wrap

Distribution Statement A, Approved for public release. Distribution Unlimited.

Compliance Markings on Fiberboard



Distribution Statement A, Approved for public release. Distribution Unlimited.

Tapes

- **A-A-883A**

  Pressure sensitive adhesive, masking

- **ASTM D5486/5486M Rev A**

  Standard for pressure sensitive tape, packaging, box closure and sealing

- **ASTM D5330/5330M**

  Standard for pressure sensitive tape for packaging, filament reinforced

Distribution Statement A, Approved for public release. Distribution Unlimited.

http://quicksearch.dla.mil/

Quick Search ASSIST

Data updated: 05 Apr 2018.

Basic Search

Enter search criteria in one or more of three text fields: Document ID, Document Number, Find Term(s). Filter search results by selecting Status or FSC/Area from drop-down lists, or by checking the box and specifying a range of document dates. Click a label for a detailed description and sample search results.

Document ID: Document Number: Status: All

Find Term1,Term2,... For All Terms In Title or Keywords or Scope

FSC/Area: Select All Document Date: 06-Apr-2017 Through 06-Apr-2018

Search Reset

About Quick Search | Contact Us | ASSIST | ASSIST Feedback | Privacy and Security | Section 508 Compliance | Defense Standardization Program

WARNING: UNAUTHORIZED ACCESS TO THIS UNITED STATES GOVERNMENT COMPUTER SYSTEM AND SOFTWARE IS PROHIBITED BY PUBLIC LAW 99-474 (THE COMPUTER FRAUD AND ABUSE ACT OF 1986) AND CAN RESULT IN ADMINISTRATIVE, DISCIPLINARY OR CRIMINAL PROCEEDINGS.

Distribution Statement A, Approved for public release. Distribution Unlimited.

Quick Search ASSIST

Data updated: 05 Apr 2018.

Basic Search

Enter search criteria in one or more of three text fields: Document ID, Document Number, Find Term(s). Filter search results by selecting Status or FSC/Area from drop-down lists, or by checking the box and specifying a range of document dates. Click a label for a detailed description and sample search results.

Document ID: | **Document Number:** 81705 | **Status:** All

Find Term1,Term2,... | **For** All Terms | **In** Title or Keywords or Scope

FSC/Area: Select All | ☐ **Document Date:** 06-Apr-2017 **Through** 06-Apr-2018

Search | Reset

About Quick Search | Contact Us | ASSIST | ASSIST Feedback | Privacy and Security | Section 508 Compliance | Defense Standardization Program

WARNING: UNAUTHORIZED ACCESS TO THIS UNITED STATES GOVERNMENT COMPUTER SYSTEM AND SOFTWARE IS PROHIBITED BY PUBLIC LAW 99-474 (THE COMPUTER FRAUD AND ABUSE ACT OF 1986) AND CAN RESULT IN ADMINISTRATIVE, DISCIPLINARY OR CRIMINAL PROCEEDINGS.

Distribution Statement A, Approved for public release. Distribution Unlimited.

Quick Search ASSIST

Data updated: 05 Apr 2018.

Basic Search

Enter search criteria in one or more of three text fields: Document ID, Document Number, Find Term(s). Filter search results by selecting Status or FSC/Area from drop-down lists, or by checking the box and specifying a range of document dates. Click a label for a detailed description and sample search results.

Document ID: **Document Number:** 81705 **Status:** All

Find Term1,Term2,... **For** All Terms **In** Title or Keywords or Scope

FSC/Area: Select All **Document Date:** 06-Apr-2017 **Through** 06-Apr-2018

Search Reset

Total records: 3

Filter	Values
Document Number:	81705

Img	Document ID	Status	FSC/ Area	Doc Date	Title
Y	MIL-PRF-81705E(1) NOT 1	A	8135	12-Nov-2014	Barrier Materials, Flexible, Electrostatic Discharge Protective, Heat-Sealable
Y	DI-SESS-81705	C	PSSS	22-Nov-2006	Depot Level Repair Instructions
Y	QPL-81705-16 NOT 1	A	8135	17-Apr-2008	Barrier Materials, Flexible, Electrostatic Protective, Heat-Sealable (Replaced by the Qualified Products Database (QPD) see Notice 1 for Additional Information)

About Quick Search | Contact Us | ASSIST | ASSIST Feedback | Privacy and Security | Section 508 Compliance | Defense Standardization Program

WARNING: UNAUTHORIZED ACCESS TO THIS UNITED STATES GOVERNMENT COMPUTER SYSTEM AND SOFTWARE IS PROHIBITED BY PUBLIC LAW 99-474 (THE

Distribution Statement A, Approved for public release. Distribution Unlimited.

Quality Products Database

Qualified Products Database

Main | Search | Reports | Help

Governing Spec: **MIL-PRF-81705E(1)**

The Qualified Product List for the following governing specification was last updated on **02-MAR-2018**

QA	FSC	QPL Number	Governing Spec	Doc Date	Doc Status	Title	QPL Notes
AS	8135	QPL-81705	MIL-PRF-81705	08-FEB-2010	Active	Barrier Materials, Flexible, Electrostatic Discharge Protective, Heat-Sealable	Preamble Footnotes

Search > QPL > Government Parts

Based on the selected QPL above,
Filter for: Filter by:
--NONE-- Filter

Total part count = 2 Click on the appropriate link to see more. If not link, no qualified source.

Page 1 of 1 1 Go to Page

Govt Designation	NSN	Spec Sheet	CSI	Notes
TYPE I, CLASS 1				
TYPE III, CLASS 2				

Distribution Statement A, Approved for public release. Distribution Unlimited.

Quality Products Database

Qualified Products Database

Main | Search | Reports | Help

Governing Spec: **MIL-PRF-81705E(1)**

The Qualified Product List for the following governing specification was last updated on **02-MAR-2018**

QA	FSC	QPL Number	Governing Spec	Doc Date	Doc Status	Title	QPL Notes
AS	8135	QPL-81705	MIL-PRF-81705	08-FEB-2010	Active	Barrier Materials, Flexible, Electrostatic Discharge Protective, Heat-Sealable	Preamble Footnotes

Search > QPL > Government Parts > Manufacturer Parts

Based on the selected QPL above,
Filter for: Filter by: --NONE-- Filter

Based on the selected Government Part to the left,
Filter for: Filter by: --NONE- Filter Print All

Total part count = 2 Click on the appropriate link to see more. If not link, no qualified source.

Page 1 of 1 1 Go to Page

	Govt Designation	NSN	Spec Sheet	CSI	Notes
	TYPE I, CLASS 1				
	TYPE III, CLASS 2				

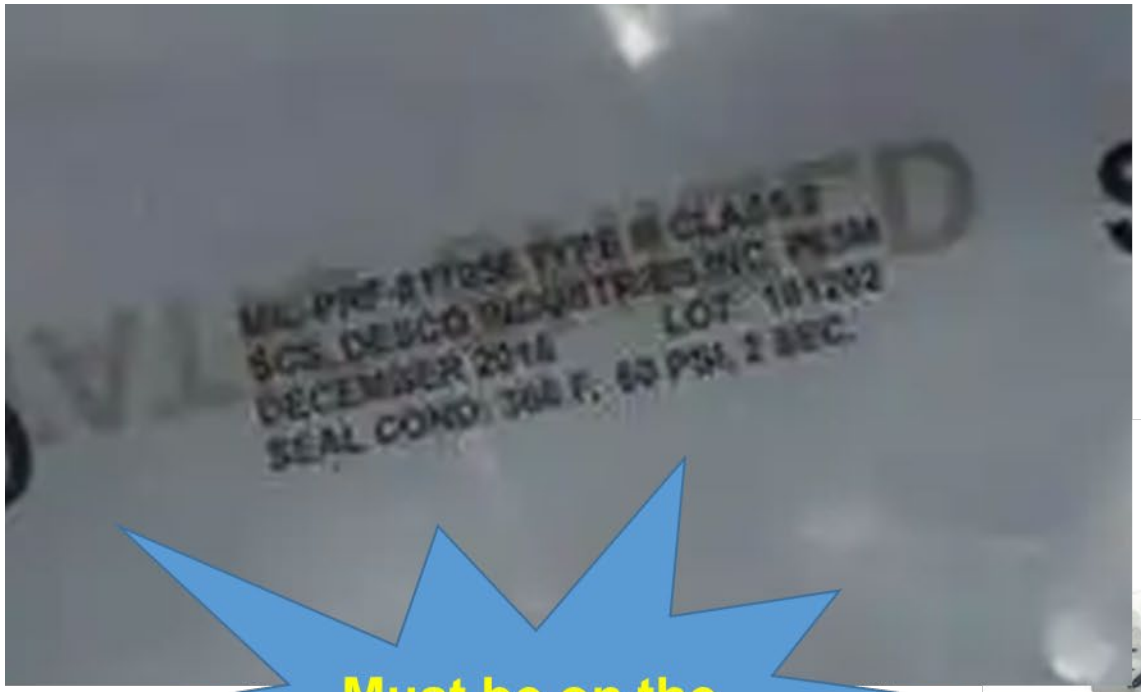
Green - Source is Certified, Yellow - Source is due for Certification, Red - Source is overdue for Certification. Contact QA for addit

Total part count = 1 Click on the appropriate

Mfr Designation	Source Name	CAGE Code	Re
CADPAK ESD	CADILLAC PRODUCTS PACKAGING COMPANY 5800 CROOKS RD TROY, MI 480982830 USA	1V793	[s [s

Distribution Statement A, Approved for public release. Distribution Unlimited.

MIL-PRF-81705 Type III Class 2



Must be on the Qualified Product Listing

Distribution Statement A, Approved for public release. Distribution Unlimited.

Quantity Per Unit Package (QUP) and Unit of Issue

- **Unit of Issue (UI)** - The Unit by which a material is issued.
- **Quantity per Unit Pack (QUP)** – The number of units of issue bound or packaged in a unit pack.
- **Unit Pack** – The first tie, wrap, or container of an item.
- **Intermediate Container Quantity (ICQ)** – The number of unit packs per intermediate container.

Distribution Statement A, Approved for public release. Distribution Unlimited.

Quantity Per Unit Package (QUP) and Unit of Issue

Unit of Issue = EA

Quantity Per Unit Pack = 25

Unit Pack

Distribution Statement A, Approved for public release. Distribution Unlimited.

Quantity Per Unit Package (QUP) and Unit of Issue

Intermediate Container Quantity = 2

Distribution Statement A, Approved for public release. Distribution Unlimited.

MIL-STD-129R Item Identification Markings
Why do we need them?

- Identify items shipped, received, and stored in a standardized format.
- Assist warehousing personnel in sorting shipments, picking from storage, and taking inventory.
- Communicate the degree of protection of the item.
- Communicate hazards and special handling requirements.
- Expedite the shipment.
- Communicate the reusability of the container.
- Communicate the destination of the shipment.

Distribution Statement A, Approved for public release. Distribution Unlimited.

MIL-STD-129R Item Identification Markings

- Identification markings
  - NSN - (National Stock Number) – Includes spaces, dashes, prefix and suffix
  - CAGE Code – for the company AWARDED the contract
  - PN - (Part #)
  - Nomenclature (Not always required on exterior containers)
  - Quantity and unit of issue
  - PIID (or Contract and call for legacy contracts)
  - Military Method and date of unit preservation
  - Gross Weight (Exterior containers)
  - Shelf-Life Information (if applicable)
  - Serial Numbers (if applicable)
- Identification bar code markings
  - NSN (& Serial Number) for unit and intermediate packs
  - NSN, Contract number, CAGE, CLIN, Shipment Number (& Serial Number) on exterior shipping containers

Distribution Statement A, Approved for public release. Distribution Unlimited.

MIL-STD-129R Item Identification Markings - PIID

- Procurement instrument identifier (PIID) (e.g., contract number or purchase order number)
  - For current DFARS compliant DOD contracts, cite the 13-character PIID. When applicable, use the 13-character PIID call order number (identified by F or M in the 9th position) alone (since the call order PIID is treated as an independent contractual document)
  - For legacy contracts, cite the PIIN (contract number or purchase order number) including four-digit delivery order or call number if applicable, and lot number (see 5.10.13) shall be shown. Additional information may be required by the contract or purchase order

Distribution Statement A, Approved for public release. Distribution Unlimited.

Special Markings-Shelf Life

- Required shelf-life markings
  - TYPE I (non-extendable):
    - MFD DATE 10/01
    - EXP DATE 10/06
  - TYPE II (extendable):
    - ASSEMBLED DATE 10/01
    - INSP/TEST DATE 10/04
  - RUBBER or ELASTOMER (TYPE I OR II):
    - CURED DATE 4Q01
    - INSP/TEST DATE 4Q05

Distribution Statement A, Approved for public release. Distribution Unlimited.

Special Markings-Electrostatic Discharge Susceptible (ESDS)

Exterior and Intermediate Container Label

Unit Pack Symbol/Label

Use of previous label types is allowed until existing supplies are depleted, or until March 2025

Distribution Statement A, Approved for public release. Distribution Unlimited.

Special Markings - Miscellaneous

Project Code

9GF

Method 50

Special Handling

Distribution Statement A, Approved for public release. Distribution Unlimited.

Special Markings – Hazardous Materials

Refer to 49 CFR, Part 172:

- Marking - Subpart D
- Labeling - Subpart E
- Placarding - Subpart F

NOTE: This document is for general guidance only and should not be used to determine compliance with 49 CFR, Parts 100-185.

HAZARDOUS MATERIALS MARKINGS

Distribution Statement A, Approved for public release. Distribution Unlimited.

Unit and Intermediate Marking Example-Linear Bar Code

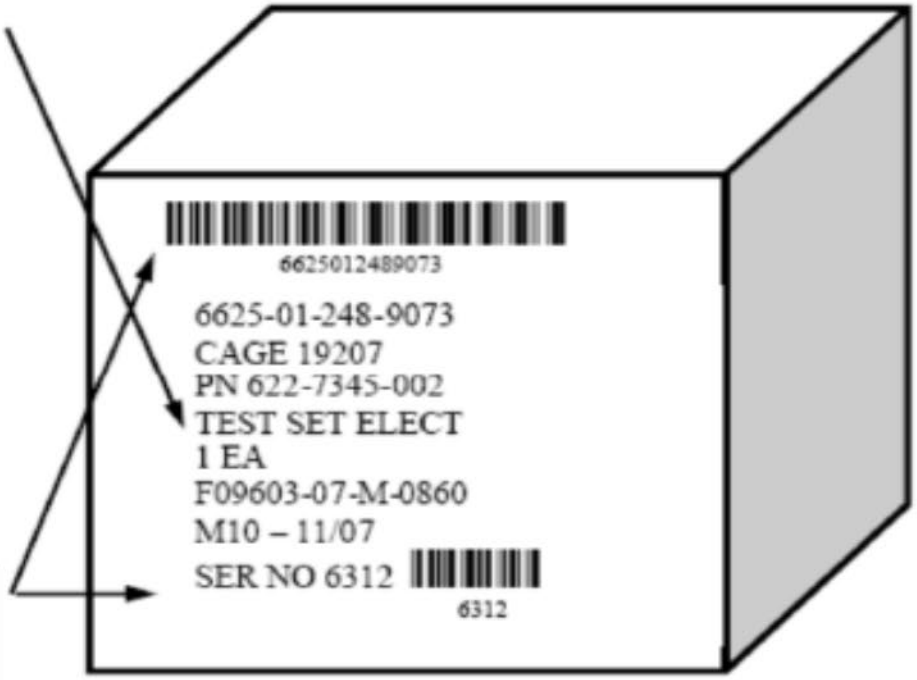
Unit & Intermediate Containers
with linear (Code 39) bar codes

 # 1 - IDENTIFICATION MARKINGS

- NATIONAL STOCK NUMBER
- CAGE CODE
- PART NUMBER
- ITEM DESCRIPTION
- QUANTITY AND UNIT OF ISSUE
- CONTRACT NUMBER & LOT NUMBER
- MILITARY METHOD & DATE OF UNIT PRESERVATION
- SERIAL NUMBER (WHEN ASSIGNED)

#2 - BAR CODES

- NATIONAL STOCK NUMBER (NSN)
- SERIAL NUMBER (WHEN ASSIGNED)



*For units without UII

Distribution Statement A, Approved for public release. Distribution Unlimited.

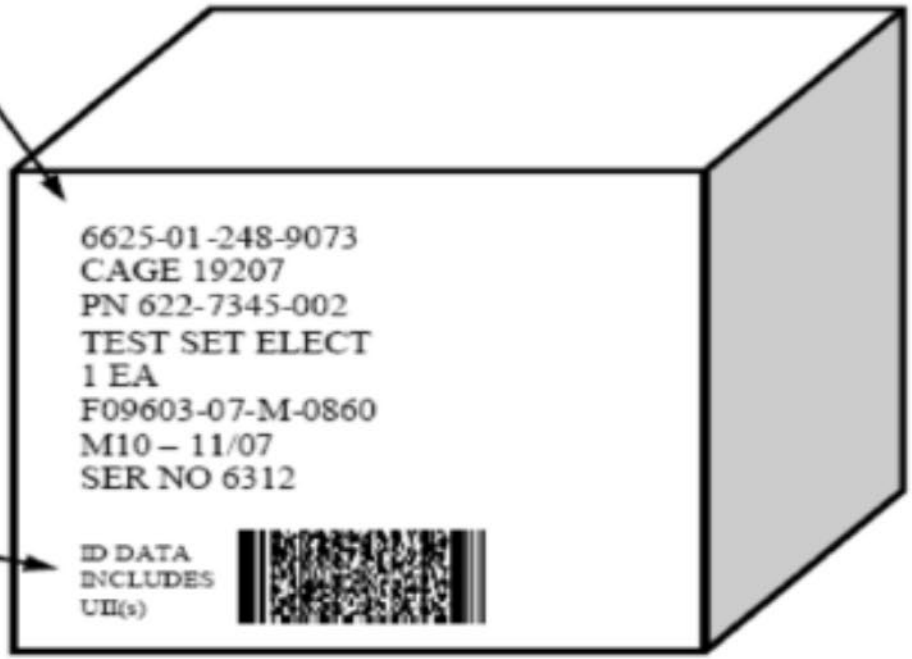
Unit & Intermediate Containers with 2D (PDF417) symbol*

 # 1 - IDENTIFICATION MARKINGS

- NATIONAL STOCK NUMBER
- CAGE CODE
- PART NUMBER
- ITEM DESCRIPTION
- QUANTITY AND UNIT OF ISSUE
- CONTRACT NUMBER & LOT NUMBER
- MILITARY METHOD & DATE OF UNIT PRESERVATION
- SERIAL NUMBER

#2 - 2D (PDF417) Symbol Data with (Data Identifiers)

- NATIONAL STOCK NUMBER (N)
- SERIAL NUMBER (S)
- UNIQUE ITEM IDENTIFIER (25S)



*For units with UII

Distribution Statement A, Approved for public release. Distribution Unlimited.

Military Shipping Label (MSL)

- Unless specifically exempted in the contract, DoD and Vendor shipping activities must apply address markings using a bar coded MSL.
- Multiple suppliers can provide necessary software. An internet search will display multiple options.
- The DLA Vendor Shipment Module - https://www.dla.mil/Working-With-DLA/Applications/Details/Article/2923161/vsm-vendor-shipment-module/

Distribution Statement A, Approved for public release. Distribution Unlimited.

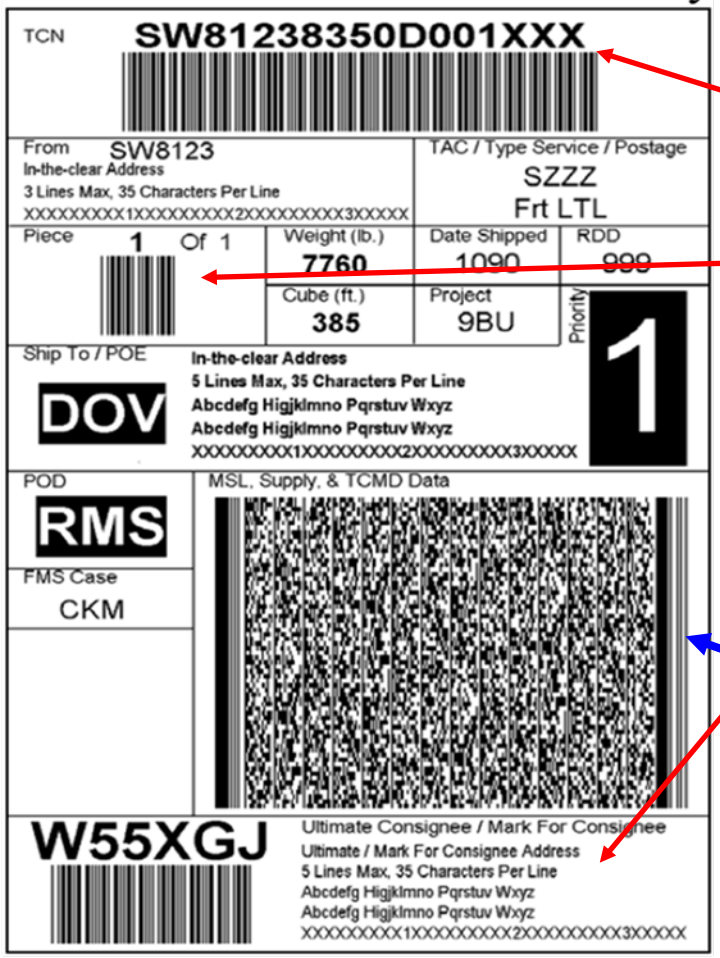
Military Shipping Label (MSL)

- The Code 39 (Linear) and 2D (PDF417) bar codes must be easily machine readable.
- The MSL label must be made of a water-resistant grade of paper, coated on one side with water-insoluble permanent type adhesive.
- ASTM D5486, Type I, Class 2 tape can be used to waterproof labels on exterior containers.

Distribution Statement A, Approved for public release. Distribution Unlimited.

Military Shipping Label (MSL)

The recommended MSL size is 4 inches by 6 inches.



Ref: MIL-STD-129, Paragraph 5.2.2 (Pages 28-36)

Required bar coding:

- Code 39 (Linear)
  - TCN
  - Piece number
  - Ultimate consignee
- Department of Defense Activity Address Code (DODAAC) PDF417 (2D)
  - Shipment
  - Line item
  - TCMD data
- Transportation Office:
  - 800-456-5507

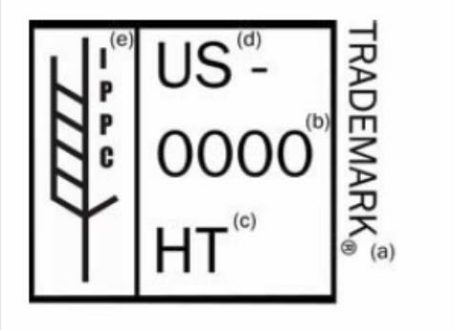
Distribution Statement A, Approved for public release. Distribution Unlimited.

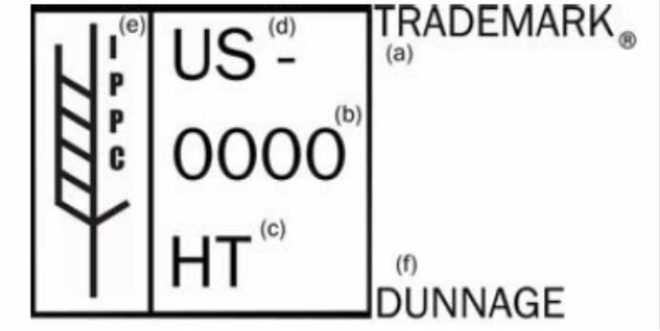
Wood Packaging Material (WPM)

- WPM is defined as wood pallets, skids, load boards, pallet collars, wooden boxes, reels, dunnage, crates, frames, and cleats.

- All WPM is required to be heat treated, including pallets, and marked with the heat-treated compliant marking.

- The stamp can only be applied by vendors who meet the standards of an accredited agency of the American Lumber Standards Committee.



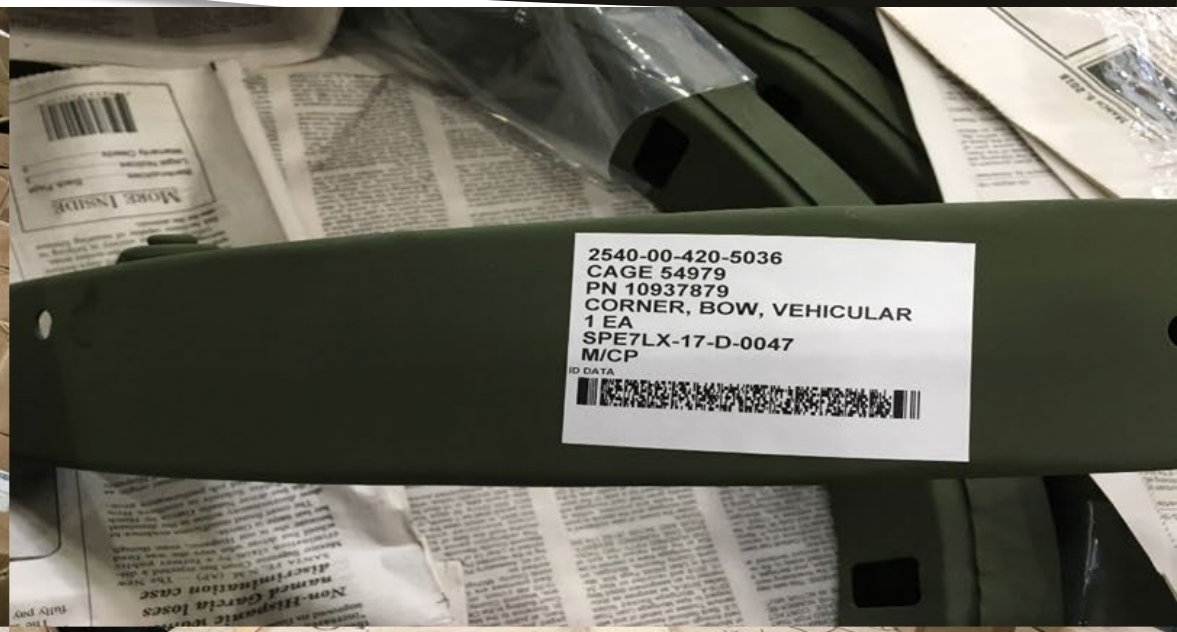


Distribution Statement A, Approved for public release. Distribution Unlimited.

Examples of Non-Compliant Materiel

Distribution Statement A, Approved for public release. Distribution Unlimited.

Examples of Non-Compliant Shipments



Distribution Statement A, Approved for public release. Distribution Unlimited.

Non-Compliant Shipments

- One out of every 15 new procurement receipts has a packaging and/or marking discrepancy/defect that requires correction before acceptance.
- Over 50% of packaging/marking discrepancies are from repeat vendor/NIIN combinations.
- Receiving activities must create and submit Supply Discrepancy Reports (SDR) for every non-compliant shipment.
  - If the shipment does not exceed the threshold noted in DLAD Procurement Note C14, Correction of Nonconforming Packaging or Marking, the SDR will be informational, and the materiel will stay in Supply Condition Code (SCC) A.
    - Vendor will receive an automated letter notifying them of the discrepancy.
  - If the shipment exceeds the threshold noted in DLA Procurement Note C14, the materiel will be suspended and payment withheld until the discrepancy is remediated.

Distribution Statement A, Approved for public release. Distribution Unlimited.

Supply Discrepancy Reports (SDR)

Packaging

Packaging

Inadequate to protect the item
Wrong Method of Preservation
Wrong Packaging Materials/Non-Specification Materials
Use of non-compliant wood packaging materials
Unit of Issue, Quantity Per Unit Package

Preservation

Preservative Material
Caps/Plugs

Marking

Not MIL-STD-129 Compliant
Missing Elements
Missing Special Markings

Unitization

Not unitized/palletized to MIL_STD-147
Stacked too high

Hazardous Shipments

Not prepared for mode of shipment
Incorrect Shippers Declarations

Distribution Statement A, Approved for public release. Distribution Unlimited.

DLAD Procurement Note C14, Correction of Nonconforming Packaging or Marking

(1) The Government may correct nonconforming packaging or marking for receipts of DLA- owned materiel if the estimated costs of correction are $1,000 or less. The contracting officer will advise the contractor of the discrepancy, and that the Government has corrected the packaging or marking. The contracting officer will make a determination concerning appropriate reimbursement by the contractor for the Government's costs to correct the deficiencies. Upon determining that reimbursement is required, the contracting officer will send a notice to the contractor. Upon receipt of notice from the contracting officer, the contractor shall reimburse the Government for the costs incurred by the Government to correct the deficiencies.

(2) If the estimated costs of correction for receipts of DLA-owned materiel are more than $1,000, the contracting officer will advise the contractor of the discrepancy and have the materiel returned to the contractor for correction/resubmittal; or, if there are urgent requirements, have the Government remediate the discrepancy at the contractor's expense. If the Government remediates the discrepancy, the contracting officer will make a determination concerning appropriate reimbursement by the contractor for the Government's costs to correct the deficiencies. Upon determining that reimbursement is required, the contracting officer will send a notice to the contractor. Upon receipt of notice from the contracting officer, the contractor shall reimburse the Government for the costs incurred by the Government to correct the deficiencies. *****

Distribution Statement A, Approved for public release. Distribution Unlimited.

- Vendor Letter

DEFENSE LOGISTICS AGENCY
Aviation
8000 Jefferson Davis Hwy
Richmond, VA 23297

IN REPLY
REFER TO DLA 03/19/2025

CAGE
VENDOR NAME AND ADDRESS

"For Informational Purposes Only"

Preservation, packaging, packing or marking (PPP&M) nonconformance has been identified for a shipment received against contract (see below). The Government has corrected the packaging or labeling deficiencies at the distribution center at a cost of $66.7.

No action is required at this time. This letter serves as a notice to inform the contractor of the non-conformance reported at the Distribution Center following a visual inspection. The Government's efforts to correct the discrepancies encumbers valuable resources that would be more efficiently utilized to support our Warfighters in other areas.

DLA must ensure that supplies tendered by contractors conform to contract requirements to uphold the integrity of the supply chain. It is essential for your company to identify non-conformances and establish corrective measures for future deliveries.

- DLA Packaging Website, https://www.dla.mil/Logistics-Operations/Packaging/

- Labeling and Marking Visual Aids

- DVIDS - Video - DLA Packaging Training Vendor Shipment Module (dvidshub.net)
- DVIDS - Video - DLA Packaging Training Packaging (dvidshub.net)
- DVIDS - Video - DLA Packaging Training Pallet Types (dvidshub.net)
- DVIDS - Video - Packaging Training Identification Markings (dvidshub.net)
- DVIDS - Video - DLA Packaging Training Shelf Life (dvidshub.net)

Use the resource links above before contacting the Contract Administrator. If you need additional packaging and marking guidance, contact your Contract Administrator via the Post Award Request (PAR) on DIBBS (https://www.dibbs.bsm.dla.mil). For additional information regarding PPP&M, select DLA Packaging under Technical Data on the DIBBS Home screen.

"This has been provided for informational and educational purposes only"

CONTINUATION SHEET

PIID/DO: CONTRACT NUMBER

QN/WebSDR: 205615876, 20250701305

NSN: 5340012293830

CLIN/QTY: 000100, 23

Nonconformance:

Identification markings omitted, incomplete, incorrectly located, or not legible

Distribution Statement A, Approved for public release. Distribution Unlimited.

Under the Packaging Threshold

- The vendor letter only describes the first discrepancy code listed and the definition for that code.
- The SDR, although informational, is given a Cause Code of CP for Contractor Non-Compliance with Packaging.
  - This could affect a vendor color/score in the Supplier Performance Risk System (SPRS).

Distribution Statement A, Approved for public release. Distribution Unlimited.

Over the Packaging Threshold

- Shipments that exceed the packaging threshold are suspended in SCC L and an actionable SDR is submitted.
  - Until upgraded to SCC A, vendors may not be paid.
- While suspended, materiel is not eligible for issue.
- The contracting officer will contact the vendor and negotiate per procurement note C14.
- Materiel may be
  - Returned to vendor for correction and return, or
  - Remediated at vendor expense.
    - If the Government remediates the discrepancy, the contracting officer will decide appropriate reimbursement by the contractor for the Government's costs to correct the deficiencies.

Distribution Statement A, Approved for public release. Distribution Unlimited.

Contract Questions?

- The primary contact for all contractors/vendors is the contracting officer. Vendors should submit a Post Award Request (PAR) for any question (packaging related or other) using the PAR link on DIBBS
  - https://www.dibbs.bsm.dla.mil//

Distribution Statement A, Approved for public release. Distribution Unlimited.

DLA Packaging:
https://www.dla.mil/HQ/LogisticsOperations/Packaging/

Distribution Statement A, Approved for public release. Distribution Unlimited.

END

Distribution Statement A, Approved for public release. Distribution Unlimited.