

MILITARY MARKING (MIL-STD-129P)

- **Project Code**
- **Shelf-life**
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Marking permits ready identification of military supplies and equipment for shipment and storage. Marking is required to assist our depot personnel sort shipments and pull stock to fill requisitions. Marking also aids our customers to identify items received. If an item has a discrepancy, it can be traced to the originator by the markings on the package, if the paperwork is separated from the item. Identification markings assist Depot personnel to pinpoint discrepant items and keep stock inspections economical by narrowing inspection requests to a specific contract number.

References:

- **Military Standard 129P, Standard Practice - Military Marking for Shipment and Storage, provides the requirements for the uniform marking of military supplies and equipment. This publication is approved for use by all Department and Agencies of the Department of Defense.**
- **ISO/IEC 16388, Automatic Identification and Data Capture Techniques - Bar Code Symbology and Specifications - Code 39 (also called Code 3 of 9) is suitable for encoding general-purpose alphanumeric data. References symbology for many industry standards.**
- **ISO/IEC 15438, Automatic Identification and Data Capture Techniques – Bar Code Symbology and Specifications – PDF 417 (Two dimensional format)**
- **ASTM D 996, Standard Terminology of Packaging and Distribution Environments, defined marking as "the applications of numbers, letters, labels, tags, symbols, or colors to provide identification and to expedite handling during shipment and storage".**

Minimum identification information required to be marked on all unit packs, intermediate containers and unpacked items.

MIL-STD 129 Markings Cont...

The following is the required marking in the order listed:

- **National Stock Number (NSN).** The NSN will include spaces or dashes and any prefix or suffix shown in the contract or requisition. If no NSN is assigned, then this line may be omitted.
- **CAGE Code and Part Number (PN).** The CAGE code of the company awarded the contract followed by the part number specified in the contract prefixed with PN or P/N.
- **Item Description or Nomenclature.** The exact name and description of an item as it appears in the contract.
- **Quantity and Unit of Issue.** A non-definitive unit of issue shall be accompanied by a quantitative expression.
- **Contract Number.** Includes four-digit delivery order or call number, if applicable.
- **Military Preservation Method and Date of Unit Preservation.** Example: "M41- 4/02" - Use of the letter "M" in the first position indicates that the pack is a military preservation method; "41" is the method number; "4/02" indicates the date of preservation. If a military preservation method doesn't apply (commercial packaging), the method space will be left blank.
- **Serial Number** (when assigned) Preceded by "SER NO"

Minimum identification information required to be marked on all exterior containers.

National Stock Number (NSN). The NSN will include spaces or dashes and any prefix or suffix shown in the contract or requisition. If no NSN is assigned, then this line may be omitted.

- **CAGE Code and Part Number (PN).** The CAGE code of the company awarded the contract followed by the part number specified in the contract prefixed with PN or P/N.
- **Item Description or Nomenclature.** The exact name and description of an item as it appears in the contract (only required for hazardous items and ammunition and explosives).

MIL-STD 129 Markings Cont...

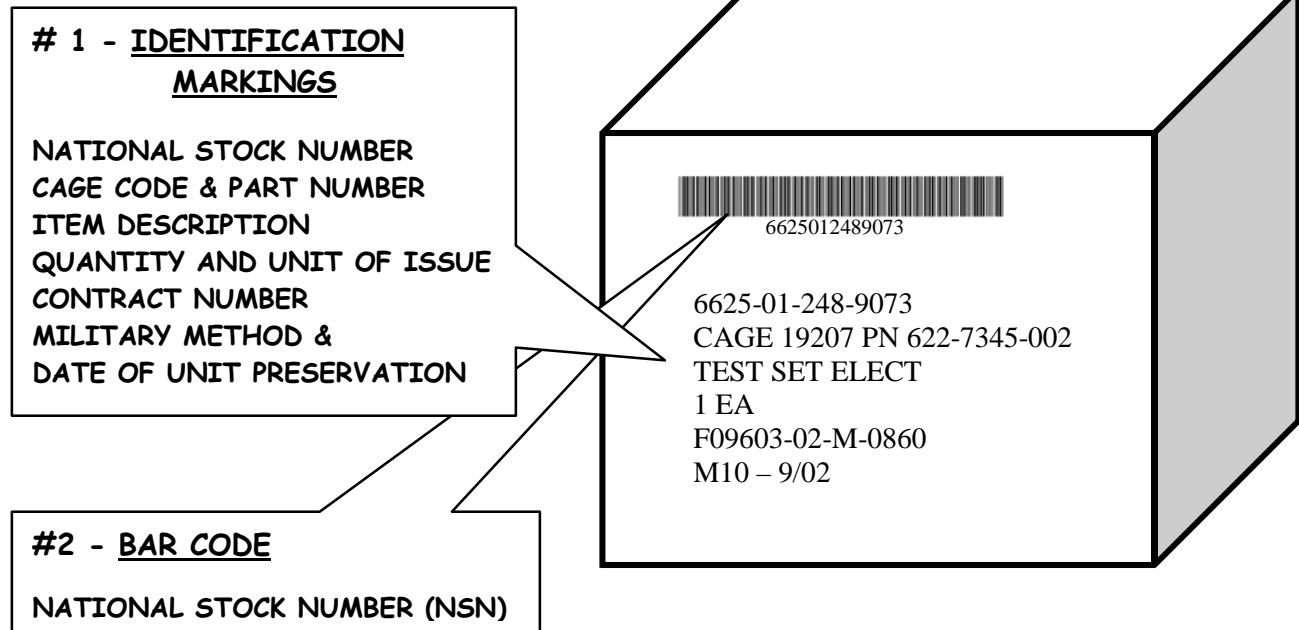
- **Quantity and Unit of Issue.** A non-definitive unit of issue shall be accompanied by a quantitative expression.
- **Contract Number.** Includes four-digit delivery order or call number, if applicable.
- **Required Clothing & Textile Marking** includes shipment number, lot number, & container number.
- **Military Preservation Method and Date of Unit Preservation.**
Example: "M41 - 4/02" - Use of the letter "M" in the first position indicates that the pack is a military preservation method; "41" is the method number; "4/02" indicates the date of preservation. If a military preservation method doesn't apply (commercial packaging), the method space will be left blank.
- **Gross Weight** WT shall precede the weight rounded up to the nearest pound.
- **Serial Number(s)** (when assigned) Preceded by "SER NO"
- **Bar Code markings:**
 - NSN for unit and intermediate packs
 - NSN, Contract or Purchase Order number and CAGE code on exterior shipping containers
- **Address Markings- (on shipping containers):**
 - **Shipments that will enter the Defense Transportation System** must use a military shipping label (MSL). The TCN, Ultimate Consignee DODAAC, and Piece Number must be bar coded in code 39 linear bar code format.
The MSL will also include a 2D (PDF 417) symbol that will contain shipment, line item and TCMD data.
 - **Contractor originated shipments that will not enter the DTS** shall have address markings applied as specified by the cognizant activity. When not otherwise specified the following address markings are recommended:

MIL-STD 129 Markings Cont...

- Control Number: (CBL, TCN, or Contract Number)
 - From: (Name and address of consignor)
 - TO: (Name and address of consignee, w/ DODAAC)
 - Project Code & RDD:
 - Gross Weight & Cube:
 - Piece Number & Total Pieces:
 - Additional Data, when required by procuring agency.
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- **Special Marking**
 - Fragile/ Delicate
 - Method 50
 - DOT (i.e. Hazardous Materials)
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- Placement of markings on unit pack, and intermediate containers. Markings on unit packs, intermediate containers, and unpacked items shall be so located as to allow the markings to be easily read and to ensure that the markings will not be destroyed when the pack or container is opened for inspection or until its contents have been used. The marking surface shall be the outermost wrap, bag, or container of the unit pack. When a barrier bag is used within another unit container, both the bag and the outermost container must be marked.
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- Placement of markings on exterior containers. The identification markings shall be applied to the upper left two-thirds of the side of the container having the greatest overall, usable marking surface. Additional identification markings that are required by the contract shall be placed either below these markings or in a conspicuous location on the identification-marked side of the container.
 - Additional Labels that may be required:
 - ESD sensitive devices
 - Expedited Handling (999, NMCS)
 - DOT (i.e. Hazard Class Labels)
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 - No matter how well an item is made or packed, it may become valueless if it cannot be identified upon reaching its destination.

MIL-STD-129P MARKING GUIDE

UNIT & INTERMEDIATE PACK



General marking requirements for unit and intermediate packs are divided into two categories:

1 - identification markings are in paragraph 4.1.1 (page 20)

2 - bar code markings are in paragraph 4.4.1.1 (page 44)

Placement of the identification markings is described in paragraph 4.3.1 (page 32). When a barrier bag is used within another unit container, both the bag and the outermost container must be marked.

Placement of the bar code markings is described in paragraph 4.4.2 (page 49).

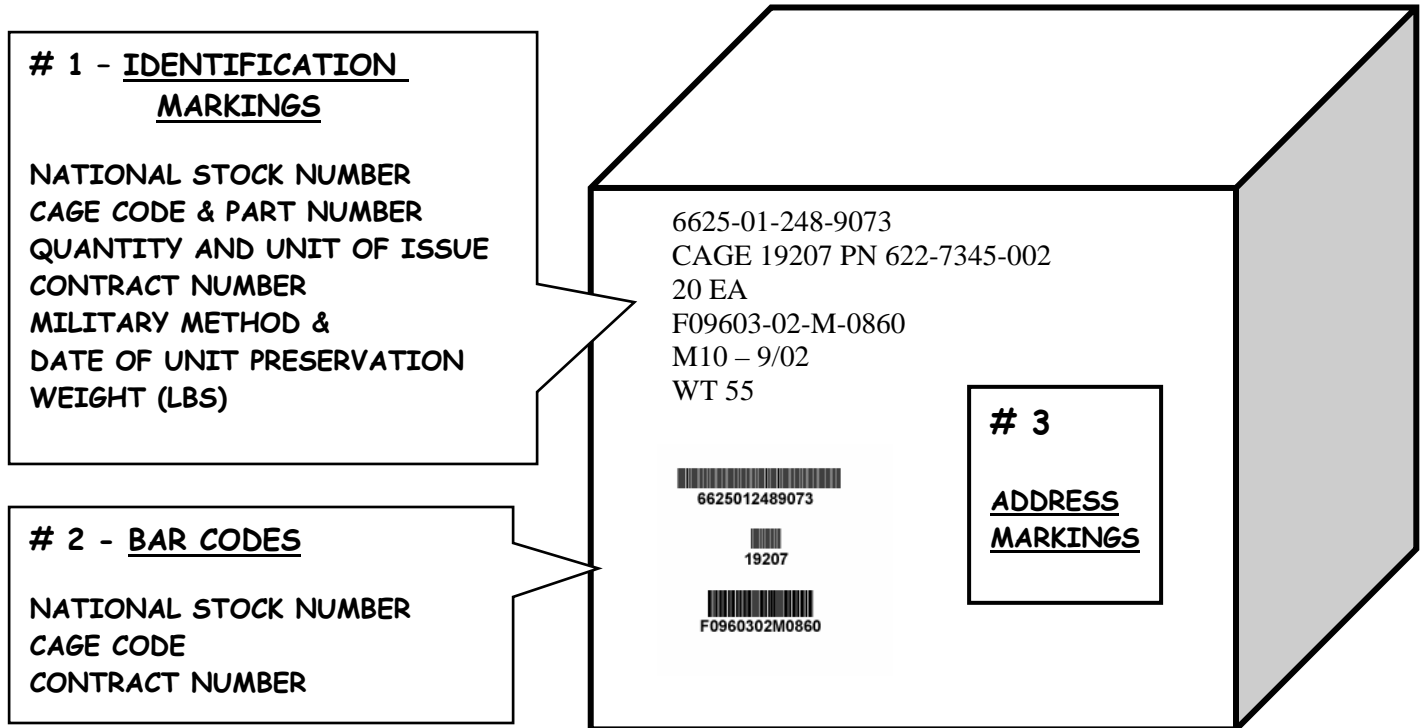
Unit containers used as shipping containers should be marked as an exterior container (paragraph 4.1.1 page 20).

This information is for general guidance only!

Consult MIL-STD-129P for specific requirements.

MIL-STD-129P MARKING GUIDE

EXTERIOR (SHIPPING) CONTAINERS



General marking requirements for exterior containers are divided into three categories:

- # 1 - identification markings are in paragraph 4.1.2 (page 21)
- # 2 - bar code markings are in paragraph 4.4.1.2 (page 45)
- # 3 - address markings are in paragraph 4.2 (page 23)

Placement of the identification markings is described in paragraph 4.3.2 (page 32). Boxes and crates over ten cubic feet require the identification data markings repeated on the left end (paragraph 4.3.2.1, page 34).

Placement of the bar code markings is described in paragraph 4.4.3 (page 49).

Clothing and textile items require additional markings: shipment number; lot number and container number (paragraph 4.1.2.e.(3), page 21).

Hazardous materials markings are detailed in paragraph 5.5 (page 80). Ammunition and explosive markings are detailed in paragraph 5.6 (page 88).