

# SPECIAL PACKAGING INSTRUCTION

CODE ID

98747

SPI NO. (TPO)

F01-093-3338

SHEET 1 OF 6

PART OR DRAWING NO.  
SEE TABLE 1

NATIONAL STOCK NO.  
SEE TABLE 1

CURRENT REV  
C

ILL. D. NAY  
P.S. R. McCLOY

ITEM NOMENCLATURE  
CARTRIDGE, 30MM

ORIGINAL DATE  
81324

CHK. D. THIEL  
AUTH. L. SAVIKIS

MILITARY PRESERVATION IAW MIL-STD-2073

SERVICEABLE METHOD: 10

UNSERVICEABLE METHOD: 10

QUP SEE TABLE 1

ICQ SEE TABLE 1

CLEANING & DRYING: IAW MIL-STD-2073

PRESERVATIVE: N/A

MARKING IAW MIL-STD-129

SPECIAL MARKINGS:

- A) SPI NO. F01-093-3338  
MARK THE SPI NUMBER ON THE IDENTIFICATION SIDE OF CONTAINER.
- B) PROPER SHIPPING NAME: MARK AS ILLUSTRATED  
ON SHEETS 4 & 5

C) COE 83-211

D) DOT-SP 9649, CAA2002090017 &  
RADIOACTIVE YELLOW-II LABEL  
REQUIRED ON (PGU-14 AMMO ONLY)

D) REUSABLE CONTAINER & DUNNAGE DO NOT DESTROY.

**NOTE: THE ABOVE POP MARKINGS  
ARE FOR DOD USE ONLY.**

CLOSURE:

LEVEL A: IAW: THIS DRAWING

LEVEL B: IAW: THIS DRAWING

PACKING AS SPECIFIED BELOW AND BILL OF MATERIALS

LEVEL SPEC STYLE TYPE CL VRTY GR TR

A 8140-01-089-9957 OR 8140-01-170-9614

B 8140-01-089-9957 OR 8140-01-170-9614

LEVEL A LEVEL B

GROSS CU FT 39.365 39.365

GROSS WT LBS SEE TABLE 1 SEE TABLE 1

DESIGN FRAGILITY G 100 100

LENGTH WIDTH DEPTH

CNTR I.D.

LEVEL A: 49.750 12.125 41

LEVEL B: 49.750 12.125 41

CNTR O.D.

LEVEL A: 52.125 29 45

LEVEL B: 52.125 29 45

ITEM DIM

11.375 1.750 1.750

ITEM WT.

VARIES

REVISIONS

LTR	DESCRIPTION	DATE
C	CHANGE NOTE 6 ON PAGE 2 & NOTE ON PAGE 6	12157

-11	8	BOLTS, HEX	3 3/4 X 5/16 DIA.	ASME B18.2.1	7
-10	4	NUTS, KNURLED	3/8 X AS REQUIRED	FF-N-836 TYPE VII	3
-9	4	BOLTS, HEX	1 1/4 X 3/8 DIA.	ASME B18.2.1	3
-8	1	TOP INSERT	51 X 13.24 X 1.560	A-A-59136 CLASS 1, GRADE A, TYPE III	8
-7	2	BOTTOM FILLER	50 X 12.125	POLYPROPYLENE BASE FABRIC (PRO-5)	8
-6	4	WIRE ROPE	.063 X 10 IN. LONG	MIL-DTL-83420 TYPE 1, COMP B (CONST. 7 X 7)	8
-5	4	CLIP HITCH PIN	AS REQUIRED	NO REF FOUND, P/N 1HP114	8
-4	4	TAPER PIN	2 X 1/4 X 1/4	NSN 5315-01-208-0922 OR EQUAL	8
-3	8	FERRULE	AS REQUIRED	NSN 5940-00-230-9911 OR EQUAL	8
-2	4	SEALS, ANTIPIILFERABLE	SEE DETAIL B	8794342 / COMMERCIAL	8
-1	2	CONTAINER, STEEL	49.750 X 12.125 X 41 (ID)	NSN 8140-01-089-9957/8140-01-170-9614	2

P/N	QTY REQD	NOMENCLATURE OR DESCRIPTION	SIZE: (INCHES UNLESS SPECIFIED) TOLERANCES ON FRAC. ± 1/8, DECIMAL ± .10, ANGLES ± 1°	MATERIAL SPECIFICATION
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SHEET 2 OF 6

## *MUNITION NOTICES*

NOTICE 1: ASSETS PACKAGED IN ACCORDANCE WITH PREVIOUS EDITIONS OF THIS SPI DO NOT REQUIRE REPACKAGING IF THE INTEGRITY OF THE SPI IS MAINTAINED.

NOTICE 2: OTHER NSNs MAY BE ASSIGNED TO THIS SPI BUT MAY NOT BE SHOWN ON THE SPI.

NOTICE 3: THIS SPI IS NOT AUTHORIZED FOR USE WITHOUT PROPER HAZARD CLASSIFICATION. UNLESS A FINAL HAZARD CLASSIFICATION HAS BEEN ISSUED, A COPY OF THE VALID INTERIM HAZARD CLASSIFICATION LETTER MUST ACCOMPANY EACH SHIPMENT.

## *INTERNATIONAL STANDARDS FOR PHYTOSANITARY MEASURES REVISION OF ISPM NO. 15 REVISION OF WOOD PACKAGING MATERIAL FOR INTERNATIONAL TRADE*

THE FOLLOWING STATEMENT IS IN COMPLIANCE WITH THE UNITED NATIONS-IMPLEMENTED RESTRICTIONS ON WOOD PACKAGING MATERIAL (WPM). THIS REQUIREMENT IS SPECIFICALLY CONCERNED WITH INVASIVE SPECIES SUCH AS THE PINEWOOD NEMATODE. WPM IS DEFINED AS WOOD PALLETS, SKIDS, LOAD BOARDS, PALLET COLLARS, WOODEN BOXES, REELS, DUNNAGE, CRATES, FRAMES, AND CLEATS. THE STATEMENT BELOW CITES THE REQUIREMENTS IN DETAIL AND COVERS LUMBER FOR BUILDING CONTAINERS AND PALLETS USED FOR DELIVERIES, RESULTING IN SHIPMENTS WORLDWIDE (DIRECT, OR THROUGH AIR LOGISTICS CENTERS (ALC), CONTAINER CONSOLIDATION POINTS (CCP), OR OTHER BASES).

### WOODEN LUMBER, WOODEN PALLET AND PACKAGING/CONTAINER STATEMENT:

ALL WOODEN LUMBER, WOODEN PALLETS, AND WOODEN CONTAINERS PRODUCED ENTIRELY OR IN PART OF WOOD PACKAGING MATERIAL (WPM) SHALL BE CONSTRUCTED FROM DEBARKED WOOD IN ADDITION TO THE APPLICATION OF HEAT-TREATED (HT) MATERIAL (HT TO 56 DEGREES CENTIGRADE OR 133 DEGREES FAHRENHEIT FOR 30 MINUTES). CERTIFICATION/MARKING IS REQUIRED BY AN ACCREDITED AGENCY RECOGNIZED BY THE AMERICAN LUMBER STANDARDS COMMITTEE (ALSC). FOR REFERENCE DOCUMENTATION, SEE LATEST REVISION OF "INTERNATIONAL STANDARDS FOR PHYTOSANITARY MEASURES (ISPM NO. 15), "REGULATION OF WOOD PACKAGING MATERIAL IN INTERNATIONAL TRADE."

## *NOTES*

1. EACH PACKAGE OR UNITIZED/PALLETIZED GROUP OF PACKAGES MUST BE CONSPICUOUSLY MARKED **DOT-SP 9649** WITH FIGURES AT LEAST 1 INCH HIGH.
2. PRIMER END OF CARTRIDGE SHALL FACE LINER SIDE OF CONTAINER, REF.-1. INSERT CARTRIDGE INTO TUBE AND STRAPPING ASSEMBLY. LAYER FILL CONTAINER, 24 TO 26 CARTRIDGES PER LAYER. SEE TABLE 1 FOR THE DIFFERENT PACK QUANTITIES.
3. JOIN CNU-332/E CONTAINERS TOGETHER USING REF.-9 AND REF.-10, WITH SELF LOCKING NUTS (SEE DETAIL D). BOLTS SHALL PROTRUDE BEYOND LOCK NUTS FOR A DISTANCE OF THREE THREADS MINIMUM.
4. JOIN CNU-332 A/E CONTAINERS USING PINS AS SHOWN IN DETAIL A.
5. FILL VOID AREA IN CONTAINER, REF.-1, WITH EMPTY TUBE CARRIERS, NSN 1305-01-079-7635, IF TUBE CARRIERS ARE NOT AVAILABLE, POLYETHYLENE, TYPE I, CLASS 2, PPP-C-1752, MAY BE USED.
6. "DOT-SP-9649 APPLIES WHEN TWO CNU 332 CONTAINERS OF DU MUNITIONS ARE BOLTED/PINNED TOGETHER. WHEN TWO CNU 332 CONTAINERS ARE BOLTED/PINNED TOGETHER THEY ARE CONSIDERED A PALLET AND ONLY ONE RADIOACTIVE YELLOW-II LABEL IS REQUIRED. THE LABEL MUST BE AFFIXED TO THE PALLET ON THE SAME SIDE NEAR THE PROPER SHIPPING NAME. WHEN SHIPPING A SINGLE CONTAINER OF DU MUNITIONS DOT-SP-9649 DOES NOT APPLY AND THE CONTAINER MUST BE SHIPPED IN FULL COMPLIANCE OF 49 CFR."
7. TORQUE FASTENING BOLTS, REF.-11 TO 50 20 INCH LBS SO THAT FASTENERS AND CONTAINER ASSEMBLY SHALL NOT BE PERMANENTLY DEFORMED. WASHERS MAY BE USED BUT OPTIONAL.
8. WHEN USING CNU 332 A/E MOD 1, USE REF.-7 IN THE BOTTOM PLACING 2 LAYERS AND ALSO USE REF.-8 IN THE TOP OF CONTAINER. BOTH OF THESE ADDITIONS ARE FOR SWA AREA ONLY AND ARE USED TO PREVENT SAND INTRUSION.

## SPECIAL PACKAGING INSTRUCTION

CODE ID  
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F01-093-3338ITEM NOMENCLATURE  
CARTRIDGE, 30MM

SHEET 3 OF 6

TABLE 1

NSN	DODIC NO.	IDENTIFICATION	SINGLE CONTAINER QUANTITY	TOTAL QUANTITY	PACK	GROSS WEIGHT SINGLE CONTAINER	TWIN PACK GROSS WEIGHT	UN SERIAL NUMBER	DOT LETTER
1305-01-095-1062 (AERD)	B103	PGU-14B/B (API) PGU-13/B (HEI)	480 95	1150	5:1	1200	2400	0321	DOT-SP-9649 CA2002090017 YELLOW II LABEL (TYP.)
1305-01-093-3340 (HONEY)	B103	PGU-14B/B (API) PGU-13/B (HEI)	480 95	1150	5:1	1163	2325	0321	DOT-SP-9649 CA2002090017 YELLOW II LABEL (TYP.)
1305-01-113-2462 (HONEY)	B103	PGU-14A/B (API) PGU-13A/B (HEI)	480 95	1150	5:1	1163	2325	0321	DOT-SP-9649 CA2002090017 YELLOW II LABEL (TYP.)
1305-01-093-9568 (AERD)	B116	PGU-15/B (TP)	575	1150		1115	2229	0339	
1305-01-093-3338 (HONEY)	B116	PGU-15/B (TP)	575	1150		1115	2229	0339	
1305-01-095-9650 (AERD)	B104	PGU-13/B (HEI)	575	1150		1115	2229	0321	
1305-01-093-3339 (HONEY)	B104	PGU-13/B (HEI)	575	1150		1115	2229	0321	
1305-01-109-6985 (HONEY)	B104	PGU-13A/B (HEI)	575	1150		1115	2229	0321	
1305-01-146-1530 (AERD)	B103	PGU-14B/B (API) PGU-13A/B (HEI)	480 95	1150	5:1	1200	2400	0321	DOT-SP-9649 CA2002090017 YELLOW II LABEL (TYP.)
1305-01-144-9301 (AERD)	B104	PGU-13A/B (HEI)	575	1150		1115	2229	0321	
1305-01-466-6296	B103	PGU-14B/B (API) PGU-13/B (HEI)	480 95	1150	5:1	1200	2400	0321	DOT-SP-9649 CA2002090017 YELLOW II LABEL (TYP.)
1305-01-462-8733	B116	PGU-15A/B (TP)	575	1150		1115	2229	0339	
1305-01-539-0416	AB22	PGU-13B/B (HEI)	575	1150		1115	2229	0321	
1305-01-539-1347	AB22	PGU-13B/B (HEI)	575	1150		1116	2229	0321	
1305-01-225-8204 (HONEY)	B116	PGU-15/B (TP)	575	1150		1115	2229	0339	
1305-01-225-8202	B103	PGU-14B/B PGU-13A/B	480 95	1150	5:1	1115	2229	0321	DOT-SP-9649 CA2002090017 YELLOW II LABEL (TYP.)
1305-01-232-6180	B103	PGU-14B/B PGU-13A/B	480 95	1150	5:1	1115	2229	0321	DOT-SP-9649 CA2002090017 YELLOW II LABEL (TYP.)
1305-01-225-8203	B104	PGU-13A/B	575	1150		1115	2229	0321	
1305-01-579-2134	B104	PGU-13D/B	575	1150		1115	2229	0321	

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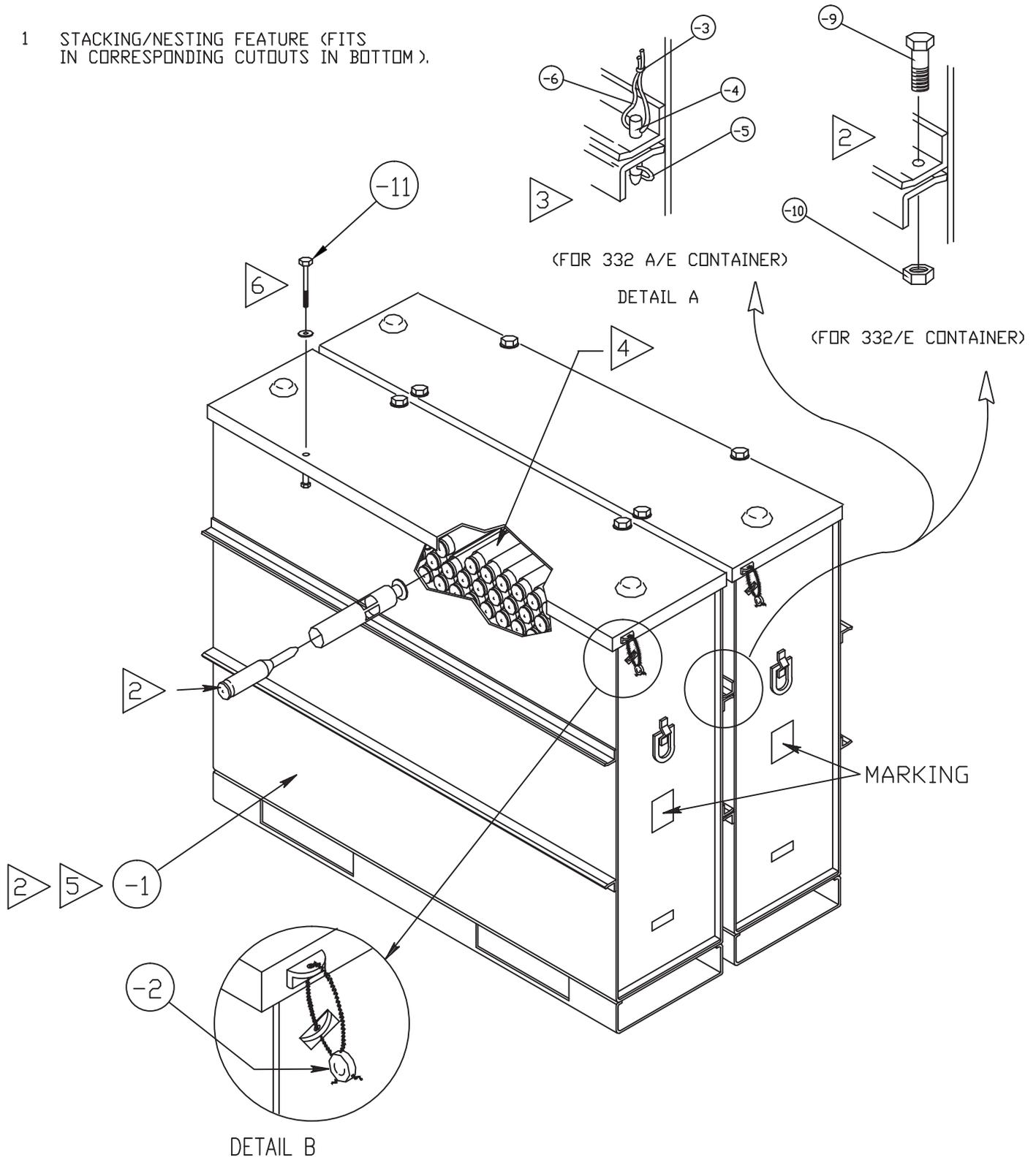
CODE ID  
98747

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F01-093-3338

ITEM NOMENCLATURE  
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SHEET 4 OF 6

1 STACKING/NESTING FEATURE (FITS IN CORRESPONDING CUTOUTS IN BOTTOM).



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SHEET 5 OF 6

## EXAMPLE OF TP MARKING & LABELING

NSN & DODIC NO.  
NOMENCLATURE  
QUANTITY  
WEIGHT & CUBE  
CONTAINER CERT.NO.  
LOT \_\_\_\_\_

1305-01-093-3338-B116  
PGU-15/B TP  
575 CARTRIDGES, 30 MM  
WT. 1115 CU.20.3  
CDE AF 83-211  
LOT \_\_\_\_\_

PROPER  
SHIPPING NAME

CARTRIDGES FOR WEAPONS,  
INERT PROJECTILE UN0339

## EXAMPLE OF HEI MARKING & LABELING

NSN & DODIC NO.  
NOMENCLATURE  
QUANTITY  
WEIGHT & CUBE  
CONTAINER CERT.NO.  
LOT \_\_\_\_\_

1305-01-109-6985-B104  
PGU-13 A/B HEI  
575 CARTRIDGES, 30MM  
WT 1115 CU.20.3  
CDE AF 83-211  
LOT \_\_\_\_\_

PROPER  
SHIPPING NAME

CARTRIDGES FOR  
WEAPONS UN 0321

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SHEET 6 OF 6

### EXAMPLE OF API/HEI MIX MARKING & LABELING

NSN & DODIC NO.  
NOMENCLATURE  
QUANTITY  
PACK  
FUNCTIONAL LOT NO. & QTY.  
API LOT NO. & QTY.  
HEI LOT NO. & QTY.  
WEIGHT & CUBE  
DOT EXEMPTION  
CONTAINER CERT. NO.  
LOT \_\_\_\_\_

1305-01-113-2462-B103  
PGU-14 A/B API  
PGU-13 A/B HEI  
575 CARTRIDGES, 30 MM  
PACK 5:1  
WT 1163 CU 20.3  
DOT-SP-9649  
COE AF 83-211  
LOT HJA84A040L003 575  
LOT HJA84A040-004 480  
LOT HJA84A021-002 95

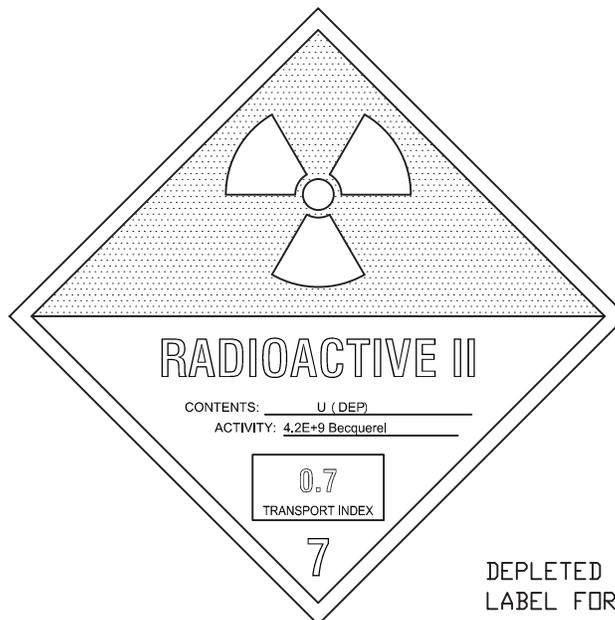
SEE NOTE 1 ON SHEET 2

PROPER  
SHIPPING NAME

CARTRIDGES FOR  
WEAPONS UN 0321

**NOTE:**

"WHEN SHIPPING A SINGLE CONTAINER OF DU MUNITIONS DOT-SP-9649 DOES NOT APPLY AND THE CONTAINER MUST BE SHIPPED IN FULL COMPLIANCE OF 49 CFR. THE CNU 332 CONTAINER WILL BE CONSIDERED A PALLET WHEN BOLTED/PINNED TOGETHER IAW DOT-SP-9649. IAW DOT-SP-9649 EACH PALLET OF DU AMMUNITION REQUIRES ONLY ONE RADIOACTIVE YELLOW-II LABEL TO BE APPLIED. THE LABEL MUST BE FIXED TO THE PALLET ON THE SAME SIDE NEAR THE PROPER SHIPPING NAME."



DEPLETED URANIUM (DU)  
LABEL FOR PALLET LOAD ONLY