SPECIAL PACKAGING INSTRUCTION

Form Approved
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1. PART OR DRAWING NO. NOMENCLATURE	2. CODE INDENT	3. SPI NO.
CARTRIDGE (SEE ITEM CHART ON PAGE 4)	59678	(AD) P 1377-5
4. NATIONAL STOCK NO. (SEE ITEM CHART ON PAGE 4)	5. DATE OF DRAWING/SPI (YYMMDD)	6. REVISION / ERR NO.
	171030	H

7. QUP / UNIT OF ISSUE	8. ICQ	9. UNIT PACK WT. (LB) (0.0)	10. UNIT PACK CU (CU. FT.) (0.000)	11. UNIT PACK SIZE (INCHES)(00.0)
SEE PAGE 4	--	VARIOUS	VARIOUS	VARIOUS

	18. STEPS	19. REQD	20. DESCRIPTION
12. MILITARY PRESERVATION	1	AR	BAG, BARRIER, ANTI-STATIC, MIL-DTL-117, TYPE I, CLASS F, STYLE 1, **NOTE A.3.**
MIL-STD-2073-1, METHOD 40	2	AR	BAG CLOSURE/ SEAL
13. CLEANING	3	1	CAN, METAL, **NOTES A.1. AND A.4.**
MIL-STD-2073-1	4	AR	CUSHIONING MATERIAL, A-A-1898, GR II
14. DRYING	5	1	METAL CAN CLOSURE/ SEAL
MIL-STD-2073-1	6	1	BOX, FIBERBOARD, **NOTES A.1. AND A.5.**
15. PACKING	7	1	BOX, FIBERBOARD CLOSEURE/ SEAL
a. LEVEL A	8	AR	SECURITY/ TAMPER EVIDENT TAPE
MIL-STD-2073-1	9	AR	**FOR LEVEL A:** OVERPACK: FIBERBOARD, PER ASTM D5118, RSC, V3c. CLOSE BOX IAW ASTM D1974 METHOD 2B3 AND SEAL IAW METHOD B USING TAPE, ASTM D5468, TYPE I OR V, **NOTE 6**.
b. LEVEL B			
MIL-STD-2073-1			
16. MARKING			
MIL-STD-129 (PARA. 5.14)			

17. NOTES/DRAWING:

A. PACKAGING INSTRUCTIONS:

1. **PRE-POP TESTED KITS (SEE PAGE 2).** APPROVED SOURCES ARE AS FOLLOWS:
   - A) 1 QUART:
     - 1) ULINE PART NUMBER: S-7347
     - 2) POLAR TECH PART NUMBER: HAZ1036-4G
     - 3) OR EQUIVALENT TO BE APPROVED BY THE GOVERNMENT
   - B) 1 GALLON (**FOR MH92 AND MD66**):
     - 1) ULINE PART NUMBER: S-7349
     - 2) POLAR TECH PART NUMBER: HAZ1039-4G
     - 3) OR EQUIVALENT TO BE APPROVED BY THE GOVERNMENT

2. **FOR DODIC MD73:** PACK AND MARK ITEMS PER ARDEC DRAWINGS (CAGE 19203) **9313891** AND **9313890**.

3. **FOR BAG:** SEE LOADING DIAGRAM ON **PAGE 2**. INSERT ONE (1) ITEM PER BARRIER BAG **(STEP 1)** AND VACUUM HEAT SEAL BAG **(STEP 2).** VERIFY HEAT SEAL PER **MIL-STD-2073-1, PARA G.4.3**. APPLY MARKING ON BAG AS REQUIRED BY MARKING CHART ON **PAGE 3**.

4. **FOR METAL CAN:** SEE LOADING DIAGRAM ON **PAGE 2**. USE CAN **(STEP 3)** FROM PRE-APPROVED KIT **(NOTE A.1.)** TO SNUGLY HOLD THE QUANTITY OF ITEMS SHOWN ON **PAGE 4**. APPLY CUSHIONING MATERIAL **(STEP 4)** AS REQUIRED AROUND EACH SEALED BAG AND PLACE ADDITIONAL CUSHIONING AS REQUIRED TO OBTAIN A TIGHT PACK. **MIXING OF ITEM LOTS NOT ALLOWED.** CLOSE AND SEAL CAN **(STEP 5)** IAW MANUFACTURER INSTRUCTIONS PROVIDED WITH KIT **(NOTE A.1.).** APPLY MARKING ON CAN AS REQUIRED BY MARKING CHART ON **PAGE 3**.

INSTRUCTIONS CONTINUE ON NEXT PAGE

SEE ITEM CHART ON **PAGE 4**.

ITEM SIZE: # ITEM WEIGHT: # APPROVED: PENNOCK.AMANDA.C.1380042157

Digitally signed by PENNOCK.AMANDA.C.1380042157
DN: c=US, o=U.S. Government, ou=DoD, ou=PKI, ou=USA, cn=PENNOCK.AMANDA.C.1380042157
Date: 2017.11.02 13:55:35 -05'00'

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17. NOTES/DRAWING

5. **FOR FIBERBOARD BOX:** ASSEMBLE FIBERBOARD BOX (**STEP 6)** FROM KIT AND PACK CAN IN BOX PER MANUFACTURER INSTRUCTIONS **(NOTE A.1.)**. CLOSE AND SEAL FIBERBOARD BOX PER MANUFACTURERS INSTRUCTIONS (**STEP 7**). APPLY SECURITY/ TAMPER EVIDENT TAPE SO THAT ALL SEAMS ARE COVERED **(STEP 8)**. APPLY MARKING ON BOX AS REQUIRED BY MARKING CHART ON **PAGE 3.**

6. **FOR OVERPACK:** IF FIBERBOARD BOX PROVIDED IN KIT IS NOT WEATHER RESISTANT, OVER PACK KIT(S) IN ANOTHER FIBERBOARD BOX AS SPECIFIED IN **STEP 9**. MARK OVERPACK IAW MARKING CHART ON **PAGE 3.**

PRE- POP TESTED KIT

LOADING DIAGRAM FOR

QUART SIZE CAN

17. NOTES/DRAWING

B. MARKING SHALL BE IN ACCORDANCE WITH THE AMMUNITION MARKING REQUIREMENTS OF **MIL-STD-129** AND INCLUDE AS A MINIMUM:

MARKING CHART

MARKING:	**CONTAINER**				**NOTE**
	BAG	**CAN**	**BOX**	**OVER PACK**	
NSN/DODIC	x	x	x	x	SEE ITEM CHART ON **PAGE 4**
QUANTITY	x	x	x	x	SEE ITEM CHART ON **PAGE 4**
PART NUMBER	x	x	x	x	SEE ITEM CHART ON **PAGE 4**
NOMENCLATURE	x	x	x	x	SEE ITEM CHART ON **PAGE 4**
LOT NUMBER/ SERIAL NUMBER	x	x	x	x	TBD AT TIME OF PACKOUT
PACKAGE GROSS WEIGHT			x	x	TBD AT TIME OF PACKOUT
"SPI NO: (AD) P1377-5"			x	x	APPLY AS INDICATED
HAZARD LABEL			x	x	SEE HAZARD CHART ON **PAGE 4**
PROPER SHIPPING NAME			x	x	SEE ITEM CHART ON **PAGE 4**
IDENTIFICATION NUMBER			x	x	SEE ITEM CHART ON **PAGE 4**
PERFORMANCE ORIENTED PACKAGING (POP)			x		SEE **NOTE C**
"OVERPACK"				x	APPLY PER CFR49

C. PERFORMANCE ORIENTED PACKAGING (POP) PERIODIC TESTING AND RETESTING REQUIREMENTS:

1. PRIOR TO SHIPMENT, THE CONTRACTOR SHALL ENSURE THAT THE COMBINATION PACKAGING HAS BEEN TESTED FOR COMPLIANCE WITH POP REQUIREMENTS IN ACCORDANCE WITH TITLE 49 CODE OF FEDERAL REGULATIONS PARAGRAPH 178.600.

2. A POP TEST REPORT SHALL BE GENERATED IN ACCORDANCE WITH DATA ITEM DESCRIPTION DI-PACK-81059 FOLLOWING THE TESTS AND PROVIDED TO ARDEC, ATTN: RDAR-EIL-TP, ROCK ISLAND, IL 61299-7300.

D. SHIPMENT OF IDENTICAL ITEMS GOING TO THE SAME DESTINATION SHALL BE PALLETIZED IF THE TOTAL DISPLACEMENT IS 50 CUBIC FEET OR MORE. PALLET LOADS MUST BE STABLE AND TO THE MOST PART PROVIDE A LEVEL TOPSIDE FOR EASE IN STACKING. A PALLET LOAD SHALL NOT EXCEED 4,000 LBS. AND SHOULD NOT EXCEED 52 INCHES IN LENGTH OR WIDTH. THE HEIGHT SHOULD BE NO TALLER THAN 54 INCHES AND AT LEAST ONE OF THE HORIZONTAL DIMENSIONS MUST BE LESS THAN 47 INCHES (MAX.) A FOUR-WAY ENTRY PALLET OR PALLET BOX SHALL BE USED TO CONTAIN THE LOAD IN A MANNER THAT WILL PERMIT SAFE MULTIPLE REHANDLING DURING SHIPMENT AND STORAGE. PALLETIZED LOADS MUST BE MARKED PER MIL-STD-129.

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17. NOTES/DRAWING

ITEM CHART

NSN ITEM P/N	DODIC	ITEM SIZE	ITEM WT	NOMENCLATURE
1377-01-185-2622 1512AS105	MH92	2.5 X 1.5 DIA	0.80	CARTRIDGE AIRCRAFT FIRE EXTINGUISHER CCU 90/A
1377-00-364-4680 2518426	M162	2.6 X 1.5 DIA	0.15	CARTRIDGE, IMPULSE
1377-01-063-3165 5184850-2	MD66	2.0 X 1.09 DIA	0.09	CARTRIDGE, CCU-44/B
1377-01-049-6365 9311660	MD73	0.6 X 0.50 DIA	0.05	CARTRIDGE, IMPULSE (M769)
1377-01-211-7211 1512AS121	MJ21	0.88 x 0.56 x 0.64	0.40	CARTRIDGE ELECTRICAL CCU 92/A
1377-01-263-3627 897899	MT20	2.8 x 1.0 x 1.3	0.60	CARTRIDGE AIRCRAFT FIRE EXTINGUISHER, H-60
1377-00-172-0428 895408	TY60	2.8 x 1.0 x 1.3	0.60	CARTRIDGE AIRCRAFT FIRE EXTINGUISHER
1377-00-174-5024 895409	TY61	2.8 x 1.0 x 1.3	0.60	CARTRIDGE, AIRCRAFT FIRE EXT UH-1N

HAZARD CHART

DODIC	QUP	UN PROPER SHIPPING NAME	UN SERIAL NO.	LABEL
MH92	4	CARTRIDGES POWER DEVICE	0276	1.4C
M162	1	CARTRIDGES POWER DEVICE	0276	l.4C
MD66	10	CARTRIDGES POWER DEVICE	0276	l.4C
MD73 ##	60	IGNITERS	0454	l.4S
MJ21	1	CARTRIDGES POWER DEVICE	0276	1.4C
MT20	1	CARTRIDGES POWER DEVICE	0323	l.4S
TY60	1	CARTRIDGES POWER DEVICE	0323	1.4S
TY61	1	CARTRIDGES POWER DEVICE	0323	1.4S

SEE **NOTE A.2.**