

SPECIAL PACKAGING INSTRUCTION

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 30 days per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. **PLEASE DO NOT RETURN YOUR FORM TO THIS ADDRESS**

1. PART OR DRAWING NO. (CAGE) NOMENCLATURE 50 K FUEL, IPDS (19207) TANK, FABRIC, COLLAPSIBLE			2. CAGE 19207		3. SPI NO. AK15476348	
4. NATIONAL STOCK NO. 5430-01-547-6348			5. DATE 10-28-2015		6. REVISION A	
7. QUP 1 EA.	8. ICQ NONE	9. UNIT PACK WT (LB.) 3500.0 est.	10. UNIT PACK CU (CU. FT.) 146.250 est.		11. UNIT PACK SIZE (INCHES) 135.0 X 48.0 X 39.0 est.	
12. MILITARY PRESERVATION MIL-STD-2073-1, METHOD 41			18. STEPS	19. REQD	20. DESCRIPTION	
13. CLEANING MIL-STD-2073-1			1	A/R	CUSHIONING: A-A-1898, TYPE I, CLASS B	
			2	A/R	BAG MATERIAL: MIL-PRF-131, CLASS 3	
14. DRYING MIL-STD-2073-1			3	2	CORRUGATED BOX: ASTM D5118, TYPE CF, CLASS	
					WR, GRADE W5c, SIZE & STYLE AS REQUIRED	
15. PACKING			4	1	CONTAINER: ASTM D6251, TYPE 3, CLASS 2,	
					STYLE A	
a. LEVEL A MIL-STD-2073-1 & NOTE L			5	1	CONTAINER: ASTM D7478, TYPE II, CLASS 2, STYLE A	
b. LEVEL B NOT APPLICABLE						
16. MARKING MIL-STD-129 & NOTE M						

17. NOTES/DRAWING

A. All dust caps and plugs shall be installed and the permanently attached fittings shall be covered with cushioning material, A-A-1898, Type I, Class B, and secured in place with tape conforming to ASTM D 5330, Type II. All hose ends shall be sealed with caps and plugs to prevent entry of foreign material. All aluminum components shall be cushioned and secured with tape to hold in place. Cushioning should be of sufficient quantity to completely cover all aluminum surfaces.

B. The tank and berm liner crate will be built to ASTM D7478, Type II, Class 2, Style A (bolted crate, plywood sheathed, skid base). The skid base shall consist of any species of wood except Group I (softer woods of both the coniferous and the broad-leaved species). The skid base surface shall have a smooth particle board surface such as 1/4" masonite.

C. Three skids shall be evenly spaced, center to center, across the width of the base to support the tank and berm liner. Rubbing strips shall be a minimum of 5 inches in height, the same width as the skids, and shall be attached to the skids with carriage bolts. The carriage bolts shall be countersunk to prevent them from extending beyond the wood. The rubbing strips shall be beveled full depth at the angle of 45 degrees at the sling and forklift openings. Sling openings shall be 8 inches in length and shall be provided at both ends of the skid. Openings in the rubbing strips for forklift truck access shall be 14 inches in length and the center rubbing strips shall be a minimum of 24 inches in length. (Reference MIL-T-53066, Figure 18 for an example of a skid base for a similar item.)

D. For bolt application, holes shall be prebored to receive carriage bolts and shall be the exact diameter of the bolt. The lead holes for lag bolts shall be the same diameter as the shank. Lag bolts shall be placed by being turned in the holes the full length of the bolt and shall not be driven in with a hammer or by any similar means. A flat washer shall be used under the head of each lag bolt and under the nut of each carriage bolt. Both the lag bolts and carriage bolts shall be countersunk to the depth of the head of the bolt and washer. To prevent splitting, all skids shall have a carriage bolt placed crosswise 2 to 3 inches back from each end of the skid.

E. A 10,000 lb. capacity fork lift is required to move this crate.

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17. NOTES/DRAWINGS *CONTINUED*

F. The footprint of the tank and berm liner crate shall not exceed 135.0 in. by 48.0 in. The skid base shall be constructed to withstand a minimum load of 5,000 lbs. The tank shall be rolled in such a manner so that it will fit on the skid without overhanging any side. During the rolling process keep the vent opening clear as it may be necessary to evacuate air from the tank as it is being rolled. Wrap entire rolled tank with a sheet of MIL-PRF-131, Class 3 material and then heat seal the material forming a bag around the tank.-Remove as much air as possible from bag before heat sealing. Lifting slings (if used) will be on the outside of the bagged tank. Secure bagged tank to skid base but do not subject the bagged tank to the hazards of any sharp metal objects.

G. The berm liner shall be rolled to a size that will fit on top of the bagged tank but will minimize the overall container height. The overall height of the crated tank and berm liner shall not exceed 39 inches. The berm liner shall also be wrapped entirely in MIL-PRF-131, Class 3 material and heat sealed forming a bag around the berm liner.-Remove as much air as possible from bag before heat sealing. Lifting slings (if used) will be on the outside of the bagged berm liner. Secure bagged berm liner to skid base but do not subject the berm liner to the hazards of any sharp metal objects.

H. Secure the crate top to the skid base with bolts and washers per ASTM D7478. Mark tank and berm liner crate "1 OF 2".

I. Place cushioned tank accessories listed below in an appropriately sized weather resistant corrugated box. Wrap entire corrugated box with a sheet of MIL-PRF-131, Class 3 material and then heat seal the material forming a bag around the box.-Remove as much air as possible from bag before heat sealing. Label the bagged box "TANK ACCESSORIES".

DESCRIPTION

	QUANTITY
Tank Accessories:	
1. Filler/Discharge Elbow, 4 inch, Fem x Fem	1
2. Filler/Discharge Elbow, 4 inch, Fem x Male	1
3. 2" Drain Valve Assembly with Male x Fem coupling half ends	1
4. 4" Filler/Discharge Valve Assy. with Male x Fem coupling half ends	2
5. 2" I.D. Non-collapsible Drain Hose Assy. (One end bolted flange, other end 2" Male coupling half)	1
6. 2" I.D. Non-collapsible hose (10' length with Male x Fem coupling half ends)	1
7. 4" I.D. Non-collapsible Filler/Discharge Hose Assy. (12' with Male x Fem coupling half ends)	2
8. Vent Assy. Fitting	1
9. Emergency Repair Kit	1
10. Consumable Items Overpack Kit	1
11. Hose Support Pads	2

J. Place cushioned berm liner items listed on next page in an appropriately sized weather resistant corrugated box. Wrap entire corrugated box with a sheet of MIL-PRF-131, Class 3 material and then heat seal the material forming a bag around the box.-Remove as much air as possible from bag before heat sealing. The bagged box along with the items containerized in step I shall be consolidated into a wood container conforming to ASTM D6251, Type III, Class 2, Style A. The contents of the crate shall be blocked and braced as necessary to prevent excessive movement. This crate shall be marked "2 OF 2"

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17. NOTES/DRAWINGS *CONTINUED*

DESCRIPTION

Berm Liner Accessories:

QUANTITY

- | | |
|--|---|
| 1. 2" I.D. Non-collapsible Drain Hose Assy. (20' with Male coupling half, other end interfaces with berm liner drain assembly) | 1 |
| 2. 2" I.D. Non-collapsible drain hose assembly (20' with Male x Fem coupling half end) | 1 |
| 3. 2" Valve Assembly with Male x Fem coupling halves | 1 |

K. The fully loaded crates shall be able to be lifted from both sides and both ends. The fully loaded crates shall be capable of passing the rotational edge drop test and rotational corner drop test of ASTM D6179 from all 4 corners and sides. For this test the sides shall be raised using 4" x 4" lumber. For the rotational corner drop test another 4" x 4" block shall be used. Successful testing results in no damage to the contents or the container.

L. The unit containers are the shipping containers.

M. Mark crates per MIL-STD-129, including Shelf Life data.