

Oak Ridge National Laboratory (ORNL)
Transportation and Packaging Management (TPM)
Container Preparation and Filling Instructions/Checklist

4 x 4 x 6 Type A Metal Container

ORNL-PKG-47, Rev. 0

Issued: 7/8/2002

Page 1 of 2

Instructions: Complete the activities below following the instructions in Section A. Activities should be checked off as performed. The completed checklist should then be signed by the Operating Personnel completing the checklist and submitted to the operations supervisor for approval for shipment.

NOTE 1: The 4 x 4 x 6 Type A Packaging is for *solid material only*.

NOTE 2: The maximum *net* weight for the Type A is 10,000 pounds. However, at certain Waste Management Organization (WMO) storage areas, a lower weight limitation is imposed. This should be verified based on the receiving facility's operating instructions prior to loading.

NOTE 3: These instructions apply to boxes manufactured by Philotechnics.

A. Painted 4 x 4 x 6 (90 ft³) Type A Metal Container
Stores Catalog No. 02-119-4710

Note: Items marked (#) are solely generator's/filler's responsibility.

**Operating
Personnel**

- _____ 1. (#) Inspect the container, prior to filling, to ensure that it is in good physical condition; that there are no forklift blade punctures, that the forklift base and lid lifting channel is not seriously damaged; that the lid fits the container, and that no severe corrosion, etc. exist that could cause or develop into a leak during normal storage or in transportation.

NOTE: The Type A lid gasket is installed in each container lid prior to being shipped by the manufacturer.

- _____ 2. (#) Inspect the gasket to ensure that it is in good condition and adhered to the lid completely around the lid edge and that there are no gaps at the corners.
- _____ 3. Fill the container in accordance with **NOTE 2**.
- _____ 4. (#) Ensure that the material being filled into the container is compatible with (will not react, soften, or attack) the internal steel construction of the container.
- _____ 5. Place the lid on the container using the four retractable hand handles.

The lid should fit the container so that there is no severe binding that would interfere with the alignment and bolting of the lid to the body of the container.

FOR INTERNAL USE ONLY

Container Preparation and Filling Instructions/Checklist

4 x 4 x 6 Type A Metal Container
Issued: 7/8/2002

ORNL-PKG-47, Rev. 0
Page 2 of 2

**A. Painted 4 x 4 x 6 (90 ft³) Type A Metal Container
Stores Catalog No. 02-119-4710**

- _____ 6. Seal the lid by installing the bolts, flat washers, lock washers, and nuts as required.
- _____ 7. Tighten each bolt until snug.
- _____ 8. Using an alternating pattern, torque each bolt to 15 – 20 ft. lbs.
- _____ 9. Using an alternating pattern, torque again to 25 – 30 ft. lbs.
- _____ 10. Inspect container to ensure gasket has not come loose, and is not hanging out from lid.
- _____ 11. Label, mark, and identify the container per the current WMO operating directives, if applicable.
- _____ 12. **IF** instructions are not found in the WMO procedures, **THEN** Contact the ORNL Transportation and Packaging Management Organization for the appropriate Department of Transportation (DOT) determinations.
- _____ 13. Sign and date the checklist in the appropriate signature block verifying that the activities have been performed and checklist has been completed.
- _____ 14. Submit this completed checklist to the Operations Supervisor for approval for shipment.
- Operations Supervisor** _____ 15. Verify that all defined activities have been successfully completed.
- _____ 16. Sign and date the checklist in the appropriate signature block, approving the container for shipment.

APPROVED FOR SHIPMENT:

Operating Personnel:	Date:
Operations Supervisor:	Date:

Prepared by: ORNL TPM Organization

Approved by: Jeff Shelton July 8, 2002
Jeff Shelton, Manager (576-6401)
ORNL TPM - Packaging Operations

FOR INTERNAL USE ONLY