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

ST-5/B-25 Strong Tight Container (STC) [for information only]

ORNL-CHK-08, Rev. 0

Issued: 5/15/1997

This item is no longer available through Stores

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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 Strong Tight Container (STC) is for ***solid material only***.

NOTE 2: The maximum gross weight for the STC is 8,000 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: The forklift lid lifting bracket on each STC lid is NOT designed to lift the weight of the entire container (empty or loaded). The bottom forklift channels **MUST** be used for movement of the containers.

**A. STC-5/B-25 Painted (Stores #02-088-4500) 90 cu. ft. Container/
STC-5 Galvanized (Stores #02-088-4510) 90 cu. ft. Container**

**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 STC lid gasket is installed in each container lid prior to being shipped.

- _____ 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. **IF** the flat self-adhesive gasket is not already installed in the STC lid (per specific PO request), **THEN**
Apply the gasket to the inside lid of each container lid in such a manner that there are no gaps and it aligns with the body to form a seal.

The metal surface must be clean, dry, and smooth to apply the pressure sensitive gasket. For best adherence results, the gasket should not be applied under cold conditions or to very cold metal (guideline--above 40°F).

- _____ 4. Fill the container in accordance with **NOTE 2**.

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STC-5 Galvanized (Stores #02-088-4510) 90 cu. ft. Container
(cont'd)**

**Operating
Personnel**

- _____ 5. Place the lid on the container using the forklift lid lifting channel.
- The lid should fit the container such that the lid clamps align with the lid clamp brackets on the container. There should be no severe binding that would interfere with the alignment with the lid clamp brackets on the container.
- _____ 6. Close the STC lid securely by tightening down the 8 adjustable clamps (2 per side) after engaging the clamp on the container clamp bracket.
- _____ 7. Label, mark, and identify the container per the current WMO directives.
- _____ 8. **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.
- _____ 9. Sign and date the checklist in the appropriate signature block verifying that the activities have been performed, and the checklist has been completed.
- _____ 10. Submit this completed checklist to the Operations Supervisor for approval for shipment.

**Operations
Supervisor**

- _____ 11. Verify that all defined activities have been successfully completed.
- _____ 12. Sign and date the checklist in the appropriate signature block, approving the container for shipment.

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STC-5 Galvanized (Stores #02-088-4510) 90 cu. ft. Container
(cont'd)

APPROVED FOR SHIPMENT:

Operating Personnel:	Date:
Operations Supervisor:	Date:

Prepared by: ORNL TPM Organization

Approved by: Jeff Shelton April 24, 2000

Jeff Shelton, Manager (576-6401)

ORNL TPM - Packaging Operations

[Note: Original checklist approved by Mark Hawk, 5/15/1997; only heading format and signature block revised April 24, 2000 and signed by Jeff Shelton.]