

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

UN Open Head Polyethylene Pail

ORNL-CHK-43, Rev. 1

Issued: 11/4/2002

Revised: 12/20/2002

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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 polyethylene pails are UN marked for filling with solid hazardous material or for use as a combination package. These pails also satisfy the criteria for use for labpacks.

NOTE 2: The maximum allowable gross weight is embossed on the bottom of the pail.

NOTE 3: Polyethylene pails must be closed in accordance with the specific instructions furnished, and tested, by the manufacturer for each specific type/size drum, in order to be in compliance with DOT HazMat regulations. [49 CFR, ¶178.2(c)(1)]

**A. UN 1H2/Y 12/S; UN1H2/Y 15/S; UN1H2/Y 19/S;
and UN1H2/Y 30/S Polyethylene Pail
Stores Catalog Nos. 02-117-2000; 02-117-2500; 02-117-3500
and 02-117-5000**

**Operating
Personnel**

- _____ 1. Inspect the pail to be filled to ensure that it is in good physical condition and that no critical dents/damages exist that could cause the package to fail during normal storage or in transportation.
- _____ 2. Ensure the material to be filled into the pail is compatible with (will not react, soften, or attack) the pail's internal surface.
- _____ 3. Fill the pail in accordance to the prescribed limitations of the pail; denoted by the UN numbers.
- _____ 4. Seat cover onto the top of the container.
- _____ 5. [M & M Industries¹] Turn the cover clockwise to torque the cover so the threaded contact is a full 180 degree turn.

NOTE: To open – depress the red trigger mechanism on top of the cover with your thumb, while turning counter-clockwise.

- _____ 6. Label and mark the pail in accordance with current ORNL, Department of Transportation (DOT), and other applicable regulatory requirements.
- _____ 7. **IF** the pail is scheduled for off-site shipment, **THEN**
Contact the ORNL Transportation and Packaging Management organization for appropriate DOT markings and labeling.

¹These "Closing Instructions" are specifically for polyethylene pails manufactured by M & M Industries – Identification marking code on polyethylene pail is: M2074. [see [Note 3](#) above]

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and UN1H2/Y 30/S Polyethylene Pail
Stores Catalog Nos. 02-117-2000; 02-117-2500; 02-117-3500
and 02-117-5000(cont'd)**

**Operating
Personnel**

- _____ 8. Sign and date the checklist in the appropriate signature block verifying the activities have been performed and the checklist has been completed.
- _____ 9. Submit this completed checklist to the Operations Supervisor for approval for shipment.

**Operations
Supervisor**

- _____ 10. Verify that all defined activities have been successfully completed.
- _____ 11. Sign and date the checklist in the appropriate signature block, approving the polyethylene pail for shipment.

APPROVED FOR SHIPMENT:

| | |
|-------------------------------|--------------|
| Operating Personnel: | Date: |
| Operations Supervisor: | Date: |

Prepared by: ORNL TPM Organization

Approved by: Jeff Shelton

December 20, 2002

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