

# **M&M INDUSTRIES, INC.**

## **MANUFACTURER'S NOTIFICATION FOR M & M INDUSTRIES, INC. UN/DOT PACKAGING FOR HAZARDOUS SOLIDS/LIQUIDS**

At M&M Industries, we understand your goal to safely transport your valuable products along roads and highways. You want to provide your customers with value while keeping their trust. While we are legally bound to provide you with the following information, M&M Industries also wants you to know we value your endeavor and want to help you reach your goal, every day.

Under the **U.S. Department of Transportation's Title 49CFR** it is the **Shipper's Responsibility** to determine that the packaging or container is an authorized packaging, including all part 173 requirements. The selected packaging must be properly assembled for transportation in accordance with the manufacturer's notification. **Please do all testing and research necessary to ensure that you have selected the proper M & M Industries container for use with your product.**

**To meet UN/DOT Standards, this package must be properly closed for shipment.** At the time of transfer, the packaging does not meet the UN standard because it is disassembled. Only when assembled as specified in the closure instructions below, and using the components described herein, is this packaging certified to meet the UN standard. Failure to follow the closure instructions or substituting package components with components other than those identified in the following paragraph will render the UN/DOT Certification invalid.

A copy of the manufacturer's notification, including closure instructions, must be made available for inspection by a representative of the Department of Transportation upon request for at least 90 days once the package is offered to the initial carrier for transportation in commerce, as of this time (June 2013). However, M&M Industries recommends that you retain these documents for a minimum of 365 days after the package is offered for shipment. The current record retention requirements are subject to change and are found in 49CFR 173.22(a)(4), <http://www.ecfr.gov>

M&M Industries takes superb pride in our Quality Assurance program and systems. However, even with our very best efforts, fittings on covers / pails can become damaged or shift during transportation or storage after leaving our facility. M&M Industries recommends that fillers/offerors take all steps deemed necessary to check the fittings on each pail / cover, to meet your quality standards. An example of this is a screw cap on a cover that may vibrate or back off during transportation. The offeror of a hazardous material may be open to liability if they do not take the necessary precautions. Should you have any questions, please contact customer service at **(800) 331-5305**.

THESE CLOSURE INSTRUCTIONS REMAIN IN EFFECT UNTIL FURTHER NOTICE.

## CLOSURE INSTRUCTIONS FOR: Life Latch® Square Containers

### Identification of Packaging:

This packaging type is identified by:

Pail Size (gallons)	Pail Mold Number	Lid Mold Number	Lid length (ref only, measured at top of lid, not including lift ledge)	Lid Width
4.0	19423	19424	11.75"	10"
5.0	20447	19424	11.75"	10"
6.5	20952	19424	11.75"	10"

### UN Markings for Life Latch® Square Containers:

An appropriate UN marking must be maintained for each M&M Industries container design. The UN markings for M&M Industries Life Latch® Square containers are listed below.

Pail Size (gallons)	UN Mark	Lid	Certified for
4.0	1H2/Y15/S	NA	Solids only
5.0	1H2/Y23/S	NA	Solids only
6.5	1H2/Y25/S	NA	Solids only

In accordance with the U.S. Department of Transportation's Title 49CFR, Section 178.2, manufacturers of U.N. Standard/DOT Specification packages are required to notify in writing each person to whom that packaging is transferred of all requirements in this part not met at the time of transfer, and with information specifying the type(s) and dimensions of the closures, including gaskets and any other components needed to ensure that the packaging is capable of successfully passing the applicable performance tests. This information must include any procedures to be followed, including closure instructions for inner packagings and receptacles, to effectively assemble and close the packaging for the purpose of preventing leakage in transportation.

Specifically, the following items pertain to the Life Latch® Square containers:

1. Life Latch® Square containers are certified to the UN/DOT performance oriented packaging standards and are marked with the appropriate UN markings on the container.
2. The Life Latch® Square pail must always be used with the correct Life Latch® Square lid in order to meet the UN/DOT performance oriented packaging standards.
3. **Life Latch® Square containers are not UN certified for air transportation.**

## CLOSURE INSTRUCTIONS FOR PLASTIC LINERS INSIDE OF Life Latch® Square PAIL.

1. Place the correct liner inside the Life Latch® Square Pail fill with product.

Pail Size	Liner Thickness	Liner Measurements
4.0	NA	NA
5.0	.006 mil	13 x 10.25 x 32
6.5	.006 mil	13 x 10 x 37.5

2. Twist the liner at the top and place a Zip Tie around the liner.  
Zip Tie Specs: Tensile 40#, Length 8.9", Width .142" Color: Natural, Thickness .05".

## A. CLOSURE INSTRUCTIONS FOR THE Life Latch® Square PAIL AND LID:

1. Rubber mallet (minimum 16 oz.)
  - a. Center the lid on the pail by hand so that all four corners of the lid are aligned with the corners of the pail. (Figure A).

Figure A



- b. Hammer the cover into place with the rubber mallet by striking the cover in the corners of the cover's outer ring (Figure 1). Strike cover until it snaps onto the rim of the pail. For best results, strike all four corners and then strike at 12 o'clock position, 3 o'clock and 9 o'clock and then on each side of the trigger. (Figure 2)



Figure 1



Figure 2

- c. Continue to hammer the cover into place all the way around the outer ring, until the cover is evenly seated all the way around the pail.
2. **Pneumatic press with six" cylinder – 4, 5 and 6.5 gallon sizes (Figure B),**
    - i. Adjust downward stroke of top plate so that it goes beyond pail rim by 1/16-1/8"
    - ii. Center the pail and lid under the press.
    - iii. Apply a minimum of 80 psi from a regulated air supply to the lid listening for a defining snap.
    - iv. Inspect lid after application to confirm it is properly seated.

**Figure B: Pneumatic Press**



- d. **Inspect lid after application to confirm it is properly seated.**

Properly seated Square lid (Even, fully seated):



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## Revision History

Rev.	Description of Change(s)	Written by:	Approved by:	Date:
0	Initial Release	T Nunley	S Blevins	Feb 2 , 2014
1	Added Pneumatic press instructions	T Nunley	TN Iker	Nov 9, 2015