M&M INDUSTRIES, INC.

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

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 closing instructions below, and using the components described herein, is this packaging certified to meet the UN standard. Failure to follow the closing 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 closing 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. 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, 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 lid to pail fit, to meet your quality standards. 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 CLOSING INSTRUCTIONS REMAIN IN EFFECT UNTIL FURTHER NOTICE.

CLOSING INSTRUCTIONS FOR: Super Kube Rectangle 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
1.0 (SK3)	08SKPB, 22882	08SKCB, 22883	7.60"	5.85"
1.0 (SK3) CK	08K2SPA	22881	9.62"	7.86"
1.3 (SK3)	11K3PA, 11K3PB, 11K3PC, 11K3PD, 11K3PE	11K3CA, 11K3CB, 11K3CC, 11K3CD, 11K3CE	9.38"	7.60"
2.0 (SK2)	22880, 16K3PA	22881	9.62"	7.86"
3.5 (SK3)	28K3PA,28K3PB,28K3PC	44K3CA,44K3CB,44K3CC, 44K3CD,44K3CE	12.73"	9.64"
5.0 (SK3)	40K3PA	44K3CA,44K3CB,44K3CC, 44K3CD,44K3CE	12.73"	9.64"
5.5 (SK3)	44K3PA,44K3PB, 44K3PC	44K3CA,44K3CB,44K3CC,44K3CD, 44K3CE	12.73"	9.64"

UN Markings for Super Kube Rectangle Containers:

An appropriate UN marking must be maintained for each M&M Industries container design. The UN markings for M&M Industries Super Kube Rectangle containers are listed below.

Pail Size (gallons)	UN Mark	Lid	Certified for
1.0 (SK3)	**3H2/Y2.7/S**	**N/A**	**Solids only (3" Unwrapped Tabs)**
1.0 (SK3) CK	**3H2/Y3.5/S**	**N/A**	**Solids Only**
1.3 (SK3)	**3H2/Y3.0/S**	**N/A**	**Solids Only**
2.0 (SK2)	**3H2/Y7.4/S**	**N/A**	**Solids only (3" Unwrapped Tabs)**

3.5 (SK3)	**3H2/Y14/S**	**NA**	**Solids Only**
5.0 (SK3)	**3H2/Y19/S**	**NA**	**Solids Only**
5.5 (SK3)	**3H2/Y19/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 closings, including 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 closing instructions for inner packages and receptacles, to effectively assemble and close the packaging for the purpose of preventing leakage in transportation.

Specifically, the following items pertain to the Super Kube Rectangle containers:

1. Super Kube Rectangle containers are certified to the UN/DOT performance-oriented packaging standards and are marked with the appropriate UN markings on the container.
2. The Super Kube Rectangle pail must always be used with the correct Rectangle lid in order to meet the UN/DOT performance-oriented packaging standards

A. CLOSING INSTRUCTIONS FOR THE Super Kube Rectangle PAIL AND LID:

1. Rubber mallet (minimum 16 oz.)

a. Apply the lid hinge end first on the pail by hand so that two corners of the lid are aligned with the corners of the pail (A.1). Ensure that the inner skirt (Figure A.2) of the lid is sitting inside the opening of the pail and the outer skirt is overlapping the lip of the pail prior to lidding. (Figure A.3). In a forward motion press the remainder of the lid forward from the hinge area till the lid is fully seated.

A.1





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 12:00, 3:00, 9:00, and lastly 6:00. (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 engaged all the way around the pail.

2. **Pneumatic press with six" cylinder –**

2.0 Super Kube size (Figure B),

Seat Cover per A1 Instructions

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 40 psi from a regulated air supply to the lid listening for a defining snap.
iv. Inspect lid after application to confirm it is properly engaged.



Figure B: Pneumatic Press

**Note: *If pail collapses before lid is engaged, reduce air pressure or support pail with collar under the bumper.*

3.5 and Higher Super Kube sizes (Figure B),

Seat Cover per A1 Instructions

v. Adjust downward stroke of top plate so that it goes beyond pail rim by 1/16-1/8"
vi. Center the pail and lid under the press.
vii. Apply a minimum of 60 psi from a regulated air supply to the lid listening for a defining snap.
viii. Inspect lid after application to confirm it is properly engaged.



Figure B: Pneumatic Press

**Note: *If pail collapses before lid is engaged, reduce air pressure or support pail with collar under the bumper.*

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

Properly engaged Super Kube Lid (Even, fully engaged):



Revision History

Rev.	Description of Change(s)	Written by:	Approved by:	Date:
1	Initial Release	Ahron Bobbin	Terry Iker	October 16, 2019
2	Add Outer and Inner Skirt Specific Instructions	Ahron Bobbin	Terry Iker	Feburary 27, 2020
3	Add new SK3 Mold Numbers, Add Pneumatic Lidding Criteria for 3.5-5.5 SK3 Lids	Ahron Bobbin	Terry Iker	December 22, 2021
4	Added UN Certification for 2.0 SK with 3” Unwrapped Tabs	Ahron Bobbin	Terry Iker	March 5, 2021
5	Added New Mold Numbers	Ahron Bobbin	Terry Iker	November 14, 2021
6	Added New Mold Numbers	Ahron Bobbin	Terry Iker	June 6, 2022
7	Added New Mold Numbers	Ahron Bobbin	Kim Holley	1/5/2023
8	Added UN Certification for 1.0 SK with 3” Unwrapped Tabs	Ahron Bobbin	Kim Holley	11/22/2023
9	Added UN Certification for 1.0 SK CK, Added New Mold Numbers	Ahron Bobbin	Kim Holley	2/15/2025
10	Added UN Certification for 1.3SK, Added New Mold Numbers, re-ordered the lists.	Ahron Bobbin	Kim Holley	6/25/2025