

STEP 1: ARE YOU PACKING LITHIUM METAL (NON-RECHARGEABLE) BATTERIES OR BATTERY CELLS IN PRODUCTS LIKE THE ONES SHOWN IN THE IMAGES BELOW? IF YES, CONTINUE WITH THIS PACKING INSTRUCTION.

SAMPLES OF LITHIUM METAL BATTERIES CONTAINED (INSTALLED) IN EQUIPMENT



SAMPLES OF BATTERIES AND BATTERY CELLS PACKED WITH EQUIPMENT

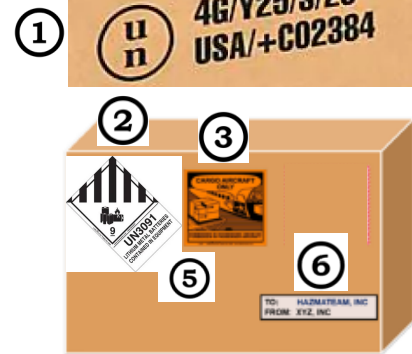


STEP 2: HOW MUCH DO YOUR BATTERIES WEIGH?

If you are packing any lithium METAL battery cells weighing more than 1g (0.03 ounces) OR lithium METAL batteries weighing more than 2g (0.06 ounces) contained in or packed with equipment OR cells >5g (0.15 oz) or batteries >25g (0.75 oz) shipped by GROUND/RAIL then FOLLOW THE STEPS BELOW. If not, then use PACKING INSTRUCTION I3091CIPW-EXC.

STEP 3: CONTAINER & PACKAGING REQUIREMENTS FOR FULLY REGULATED SHIPMENTS

- ① Use a UN certified box. 4G/Y25/S/2#USA/+CO2384 or equivalent UN box rated for lithium batteries. If you cannot tell the rating of the box, please ask your supervisor and/or contact Lennox Environmental at liihazmat@lennoxintl.com or +1-972-497-7532.
- ② Apply Class 9 lithium ion battery label.
- ③ Add a 'cargo aircraft only' marking to the box if shipped by air and lithium cells and/or batteries exceed 5 kg (11 lb) net weight.
- ④ Verify that all batteries and battery cells are packed in the box for ZERO contact with each other in original packaging. If not, they must be entirely and completely wrapped in sealed plastic packaging OR completely encased in **ELECTRICAL** tape with the positive (+) and negative (-) terminals taped to prevent from contacting each other.
- ⑤ Add the proper shipping name (PSN) marking to the box that states "UN 3091 LITHIUM METAL BATTERIES - PACKED WITH EQUIPMENT" OR UN3091 LITHIUM METAL BATTERIES - CONTAINED IN EQUIPMENT" as appropriate.
- ⑥ Add TO (Consignee/Shipper) and FROM (Consignor/Receiver) Name and Address.
- ⑦ Add an overpack marking if the battery or battery cell is contained in another box or on a pallet underneath shrink-wrap AND place markings listed in No. 2, 3 and 5 above also on the outer box or shrink wrap.



⑦ **OVERPACK**

MODE OF TRANSPORT PROHIBITIONS:

Passenger aircraft/rail: **ALLOWED 5 kg (11 lb) limit** | Cargo aircraft: **ALLOWED 35 kg (77 lb) limit** | Vessel (Boat): **ALLOWED, Stowage Category A**

FOR QUESTIONS OR WAIVERS PLEASE CONTACT LIHAZMAT@LENNOXINTL.COM

DO NOT SHIP UN3091 PACKED IN SAME PACKAGE WITH THESE CLASSES



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SAMPLES OF LITHIUM METAL BATTERIES CONTAINED (INSTALLED) IN EQUIPMENT



SAMPLES OF BATTERIES AND BATTERY CELLS PACKED WITH EQUIPMENT



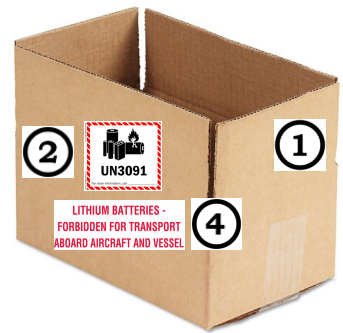
STEP 2: WHERE DOES THIS PACKING INSTRUCTION APPLY VS. I3091CIPW-R?

If you are packing any lithium battery cells weighing more than 1g (0.03 ounces), i.e. they weigh more than the weight of five small paperclips OR batteries weighing more than 25g (0.88 ounces) then use Packing Instruction I3091CIPW-R.

If you are packing cells <=1g or batteries <=2g, use this packing instruction. If you are shipping by GROUND or RAIL ONLY and cells are 5g or less and batteries are 25g or less 'packed with' or 'contained in' equipment, use this instruction.

STEP 3: CONTAINER & PACKAGING REQUIREMENTS FOR EXCEPTED SHIPMENTS

- 1 Use **strong outer packaging** appropriate for weight of contents (i.e. box must be rated for the maximum weight being placed in the box). THE BOX MUST BE CAPABLE OF WITHSTANDING A 1.2 METER (4 FOOT) DROP WITHOUT DAMAGE TO CELLS OR BATTERIES OR RELEASE OF PACKAGE CONTENTS. If you cannot tell the rating of the box, please ask your supervisor and/or contact Lennox Environmental at liihazmat@lennoxintl.com or +1-972-497-7532.
- 2 Apply the **BATTERY marking shown to the container** (e.g. box/outer packaging). The marking must include the ID No. UN3091 and Telephone Number for Additional Information about the Shipment on the marking.
- 3 Verify that **all batteries and battery cells are packed in the box for ZERO contact with each other in original packaging**. If not, they must be entirely and completely wrapped in sealed plastic packaging OR completely encased in **ELECTRICAL** tape with the positive (+) and negative (-) terminals taped to prevent from contacting each other.
- 4 Add the **marking to the box that states** "LITHIUM BATTERIES - FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT AND VESSEL". This marking may only be omitted if the battery cell weighs less than 5g (0.03 ounces) or the battery weighs less than 25g (0.88 ounces)
- 5 Add an **overpack marking** if the battery or battery cell is contained in another box or on a pallet underneath shrink-wrap AND place markings listed in No. 2 and 4 above also on the outer box or shrink wrap.



MODE OF TRANSPORT PROHIBITIONS FOR UN 3091 LITHIUM METAL BATTERY OR BATTERY CELLS PACKED WITH OR CONTAINED (INSTALLED) IN EQUIPMENT: Ground shipping ONLY: ALLOWED

NO AIR OR VESSEL (BOAT) SHIPPING IS PERMITTED W/O WRITTEN AUTHORIZATION AND INSTRUCTIONS FROM LIIHAZMAT@LENNOXINTL.COM.

FOR QUESTIONS OR WAIVERS PLEASE CONTACT LIIHAZMAT@LENNOXINTL.COM

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