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# Lithium Battery Loose Shipping Material

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## PACKING INSTRUCTIONS & REQUIREMENTS

IMPORTANT: Before opening the bag, put on appropriate Personal Protective Equipment (PPE); See Exposure Controls and First Aid Measures printed on the back of the bag.

This shipping material is designed to be used as the required cushioning material for the packaging systems of the following lithium cells and batteries:

- Low production runs and prototypes per 49 CFR 173.185(e)
- Damaged, defective, or recalled (DDR) cells or batteries per 49 CFR 173.185(f)
- The general packing requirements for all cells and batteries per 49 CFR 173.185(b)(2)
- Any special permit or approval that requires the cell or battery to be surrounded by cushioning material that is non-combustible, electrically non-conductive, and/or absorbent

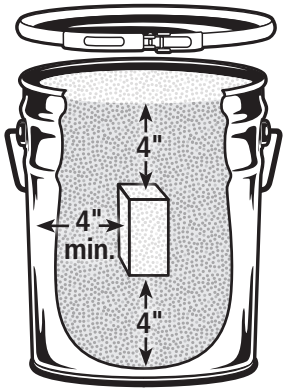


fig. A

**Step 1:** Review the applicable regulations of the USDOT — or the conditions of the special permit — for the type or condition of lithium cell or battery you are to pack and offer for transportation. It is the responsibility of the shipper to ensure compliance with the USDOT regulations.

**Step 2:** Every lithium cell or battery, unless contained in the equipment it is meant to power, must be packed in a non-metallic inner packaging that completely encloses the cell or battery.

**Step 3:** The requirements for the outer packaging will be determined by the type of lithium cell or battery and its condition. The shipper must determine this from the applicable USDOT regulations.

**Step 4:** **Surround the cell and/or battery so that you have at least 4" of Obsidian Loose Shipping Material on all sides of cell or battery.** This should be packaged in such a way that the cell and/or battery does not settle or shift, and remains encased within the Obsidian Loose Shipping Material. (fig. A)

**Step 5:** If shipping multiple cells and/or batteries within the same container, ensure to have an even distribution of Obsidian Loose Shipping Material. At least 4" of Obsidian Loose Shipping Material should be found between the cell and/or batteries, side walls, top and bottom of the shipping container. (fig. B)

**Step 6:** Fill the remainder of the outer packaging container with Obsidian Loose Shipping Material until there is no remaining empty space. Ensure once filled that the max gross weight does not exceed the UN Standard Packaging.

**Step 7:** Obtain and follow the closure instructions for the outer packaging.

**Step 8:** Hazard communication including package marks and labels and a shipping paper describing the cells or batteries to be transported must be completed by the shipper and provided to the carrier.

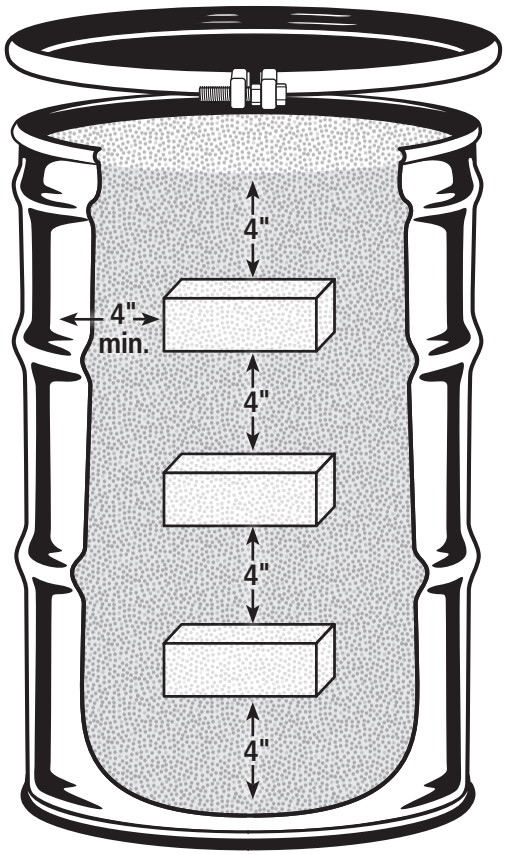


fig. B

SEE WARNING STATEMENT ON NEXT PAGE →

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## ⚠ WARNING

### GENERAL WARNING STATEMENT

Lithium-ion batteries can sometimes enter a state called "thermal runaway," which can sometimes lead to fire, explosion, and the release of toxic smoke and fumes. Lithium-ion battery fires are chemical reactions that can continue to burn even if deprived of oxygen.

**Call the Fire Department immediately in the event of any fire**, whether or not you choose to use products from New Pig. Fires create great risk of injury or death and property damage. In the event of any fire, warn others to evacuate the premises, call the Fire Department and ensure that you have a clear path of escape. Do not take any unnecessary risks to combat a fire that has already started.

**While no fire suppression device can fully extinguish a lithium-ion battery fire until the chemical reaction has completed**, the products offered by New Pig may help **temporarily reduce the risk of damage** by managing thermal runaway, partially insulating the fires, and potentially reducing the paths for flame or heat to escape and spread.

**This product is not guaranteed to prevent thermal runaway from starting or spreading beyond its immediate area. Burned or partially burned lithium-ion batteries have the potential to reignite and should be handled with extreme care by trained first responders or firefighters.**