



# LITHIUM BATTERIES

## UNIVERSAL WASTE HANDLING PROCEDURES

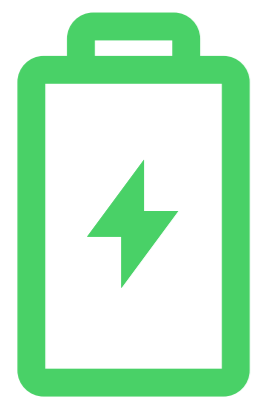
### ACCEPTED CHEMISTRY TYPES

Visit [nlr-green.com/recycling](http://nlr-green.com/recycling) to view full approved list.

### \* TAPE REQUIREMENTS

To prevent short circuits or fires

- Cover battery terminals with non-conductive tape and place each battery in an individual bag.
- Batteries that remain undamaged in their original, sealed packaging may not require terminal taping.



### Non-Damaged Batteries Packing

#### 1. Protect

Follow the tape requirements outlined above to properly insulate and protect the battery.

#### 2. Use Approved Containers

Place sealed batteries in approved containers that meet proper requirements.

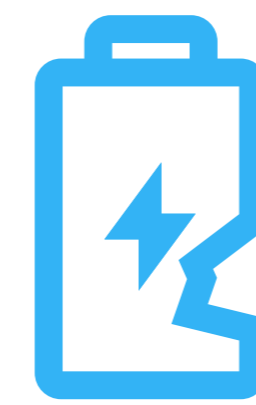
*Note: Clearly mark the container with the Proper Shipping Name: "Lithium-ion batteries."*

#### 3. Follow Weight Limits

Container's gross weight may not exceed 66 lbs.

#### 5. Seal and Store Properly

Secure the container using a proper lid or sealing mechanism. Most 5-gallon drums use a twist-lock lid to ensure a tight, secure closure.



### Damaged Batteries Packing

#### 1. Insulate Terminals

Follow the tape requirements outlined above to properly insulate and protect the battery.

#### 2. Select an Appropriate Container

Place the battery in a suitable container with at least 1-2 inches of thermal suppressant beneath it. Standard industry practice is to use an approved 5-gallon drum/container, though container size may vary depending on the battery.

#### 3. Follow Quantity & Weight Limits

- Only one (1) battery is permitted per drum
- Total package weight must not exceed 88 lbs

*Note: Clearly mark the container with the Proper Shipping Name: "Lithium-ion batteries." Lithium-ion and lithium metal batteries require specialized packaging and may have different weight limits. Contact NLR for guidance.*

#### 4. Add More Thermal Suppressant

Fully surround the battery with an appropriate thermal suppressant, ensuring all empty space is filled to prevent movement, short circuits, or fire risk.

#### 5. Seal the Container

Secure the container using a proper lid or sealing mechanism. Most 5-gallon drums use a twist-lock lid to ensure a tight, secure closure.



Ensure accumulation start date is properly labeled on the container whether batteries are damaged or undamaged.

**40  
CFR  
PART 273**

**Regulatory requirements vary between small and large quantity handlers of universal waste. However, all handlers must receive proper training in Universal Waste Management (UWM).**

This summary provides a brief overview of the regulations for managing universal waste. It is not a comprehensive guide, and additional rules may apply. For complete requirements, refer to **40 CFR Part 273** and your state-specific regulations.



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