



GUIDELINES FOR BATTERY RECYCLING & SHIPPING

Our goal is assure that all batteries are properly packaged to reduce the risk of incident during transportation. These recommendations come from US Department of Transportation (US DOT) requirements.

- Retrofit Environmental

DO NOT Mix battery types

Only package chemically compatible battery types together. *Types outlined on next page.*



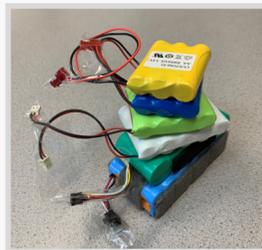
Protect Exposed Terminals

All exposed terminals must be protected including taping terminals and packaging in individual plastic bags. **Clear tape** is preferred, allowing for battery identification.



Prevent Shorting

Securely attach **clear** packing tape to any exposed wiring.



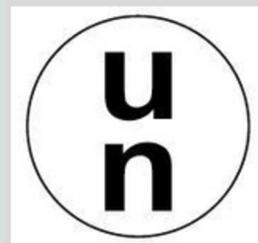
Store Properly

Store batteries in a cool, dry environment. Ensure containers are properly labeled.



UN Containers

Ensure you package batteries in DOT approved UN containers with secure lids.



Video Guide: Shipping Batteries

This quick video tutorial may answer additional questions you have about properly packaging batteries for shipment.



Leaking Batteries

Package leaking batteries individually. These may require shipment as EPA hazardous waste.

Damaged batteries may have DOT shipping restrictions (lithium in particular).



Call us for damaged battery recycling kits!

Battery Types & Shipping Specifics



Each battery type must be packaged separately in UN approved plastic containers, or, if large enough, firmly secured to pallets capable of withstanding the shocks normally incident to transportation.

**Denotes recycling process*

Exempted Dry Cell Batteries (9 Volt or Less)

Includes: Alkaline, Dry Cell NiCad, Nickel Metal Hydride, Carbon Zinc

- Do not mix with other chemistries
- If all cells are 9v or less, no taping of cells are necessary
- Ship in DOT approved, plastic containers with secure lids



Tape terminals on 9+ volts



Dry Cell
Nickel
Cadmium



Nickel Metal
Hydride



Dry Cells
Including
Alkaline

**Reclamation of Zinc 1/4, Nickel & Cadmium reclamation 2/3*

Lead Acid Non-Spillable (Valve Regulated)

Uses: Computer Backup, Alarm Panel, Emergency Lighting

- Do not mix with other chemistries
- Protect terminals against short circuits, outer packaging must be plainly marked "NON SPILLABLE"
- Ship in DOT approved, plastic containers with secure lids



Lead Acid,
Nonspillable
(Valve
Regulated)

**Lead Smelting Recycling 1*

Lithium, Li-Poly, Li-Ion

Uses: Laptop, Camera, Watches, Calculators

**Lithium recovery for Lithium Grease*



Wet Cell Batteries

(Includes: Lead Acid, Nickel Cadmium)

Uses: Automotive, Marine, Industrial Applications

- Do not mix with other chemistries
- Protect terminals against short circuits
- Must be securely strapped to pallets or shipped in DOT UN approved plastic containers with secure lids



Wet Cell Lead Acid



Wet Cell Nickel Cadmium

**Lead Smelting Recycling 1, Nickel and Cadmium Reclamation 2*

Mercury

Uses: Hearing Aids, Cameras, Calculators, Watches

**Mercury Retort*



Silver Oxide

Uses: Hearing Aids, Cameras, Calculators, Watches

**Silver Reclamation*



- Do not mix with other chemistries
- Protect terminals against short circuits
- Ship in DOT approved, plastic containers with secure lids