



**Table 1**  
**Label Summary Chart For Global Transport**  
**Of Lithium Batteries Only**

Shipping Mode	Li content	Net quantity wt. of batteries per package	Battery type			
Air	0.3g to ≤1g/cell 0.3g to ≤2g per battery	≤2.5 kg	L91, L92, LA522, Photo	YES	YES	YES
	≤0.3g/cell	≤2.5 kg	All Li coin and 2L76	YES (if more than one package in consignment)	YES	YES
	≤0.3g/cell	>2.5 kg	All Li coin and 2L76	YES	YES	YES
Land/Sea only	All	All	All	NO	YES	

\*Orange CAO label is only required on land/sea shipments when in the US. If the shipment is not intended for international air, it is allowable to us the "US DOT Prohibition Statement".

**Table 2**  
**Label Summary Chart For Global Transport**  
**Of Lithium Batteries Packed In/With Equipment**

Shipping Mode	Li content	Net quantity wt. of batteries per package			
Air	All	Not to exceed 5kg	NO	YES	NO
Land/Sea only	All	All	NO	YES	NO

**Table 3  
 Lithium Battery Shipping Label Requirements**

Image	Name	Size
	Lithium Battery Label	If the package cannot accommodate a <u>100 X 100 mm</u> label, the label may be sized down to 100 X 70 mm.
	Class 9 lithium	100 x 100 mm
	IATA Cargo Aircraft Only	120 x 110 mm
<p>“PRIMARY LITHIUM BATTERIES – FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT” or “LITHIUM METAL BATTERIES – FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT”</p>	US specific “Cargo Aircraft Only” language	This marking must be a background of contrasting color and the letters must be at least 6 mm in height.



## 2) Requirements for all Shipments of Lithium Batteries Only – Global

1. The batteries must be capable of passing the UN Model Regulation T-tests (UN Manual of Tests and Criteria, Part III, Sub-Section 38.3 Lithium Batteries).
2. The shippable container must be capable of passing a 1.2 m. drop test in any orientation without spillage of the contents of the packaging, damage to the batteries inside or shifting of the contents that could lead to short circuit.
3. The shippable container must be labeled with the labels shown in table 1 and 2.
4. The net weight of the lithium cells or batteries in the shippable container shall not exceed 2.5 kg for cargo aircraft only or 30kg for surface/vessel.
5. For customers re-shipping batteries, the telephone numbers (CHEMTEL phone numbers) may not be used without a subscription from CHEMTEL.

## 3) Requirements for all Shipments of Lithium Batteries packed in/with equipment – Global

1. The batteries must be capable of passing the UN Model Regulation T-tests (UN Manual of Tests and Criteria, Part III, Sub-Section 38.3 Lithium Batteries).
2. For batteries packaged **with** equipment only, the shippable container must be capable of passing a 1.2 m. drop test in any orientation without spillage of the contents of the packaging, damage to the batteries inside or shifting of the contents that could lead to short circuit.
3. For batteries contained **inside** equipment only, the equipment must be equipped with an effective means of preventing accidental activation.
4. For batteries contained **inside** equipment only, if the package contains less than four cells or two batteries installed within equipment, the package does not need to be labeled with the lithium battery handling label.
5. The shippable container must be labeled with the labels shown in table 1 and 2.
6. The net weight of the lithium cells or batteries in the shippable container shall not exceed 5 kg for aircraft.
7. The CHEMTEL information is not required for batteries packaged with or in equipment, Energizer uses the same label for all shipments (batteries and batteries with or in equipment.) For customers re-shipping batteries with or in equipment, this CHEMTEL information may not be used without a subscription from CHEMTEL.

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## 4) Within, To and From the United States

### Batteries Only – All modes (49 CFR 173.185)

To ship lithium batteries by any method (rail, truck, sea vessel, air) within, to and from the United States, the shipments must meet

- The labeling criteria shown in table 1 and 3
- Packaging requirements listed in section 2
- The US specific labeling information shown below. Note – in the US all modes of transport require this marking.

The outer package that contains lithium cells or batteries must be appropriately marked with the US specific “Cargo Aircraft Only” language found in table 2 or labeled with a “CARGO AIRCRAFT ONLY” ICAO label no matter the mode of transport the shipment is offered for.

### Batteries Contained In/Packed With Equipment- All modes (49 CFR 173.185)

To ship lithium batteries by any method (rail, truck, sea vessel, air) within, to and from the United States, the shipments must meet

- The labeling criteria shown in table 2 and 3
- Packaging requirements listed in section 3
- The information shown below.

For air shipments only:

- The package shall contain no more than the number of lithium batteries or cells necessary to power the intended piece of equipment

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## 5) International (Outside the United States)

### Batteries Only - Air Only

To ship lithium batteries by air outside the US, the shipments must meet:

- The labeling criteria shown in table 1 and 3
  - Packaging requirements listed in section 2
  - The specific packing instruction per IATA depending on the grams of lithium and number of cells/batteries per package.
- **IATA Packing Instruction 968 1A** for cells with lithium content in excess of 1g or batteries in excess of 2g

**NOTE:** *Energizer does not manufacture cells in excess of 1g and batteries in excess of 2g. For custom made packs that will extend above these thresholds contact your Energizer representative.*

- **IATA Packing Instruction 968 1B** for lithium cells containing lithium metal no more than 1g and lithium batteries not exceeding 2g of lithium content.

To ship lithium batteries by air outside the US, the shipments must meet:

- The labeling criteria shown in table 1 and 3
- Packaging requirements listed in section 2
- The shippers declaration below

A shippers declaration is required which includes the following information:

- The name and address of the shipper and consignee
  - UN 3090
  - Lithium metal batteries, PI 968, IB
  - The number of packages and the gross weight of each package.
- **IATA Packing Instruction 968 II** for lithium batteries containing lithium metal no greater than 0.3g, one 2.5 kg package allowed per shipment and Packages containing no more than 8 cells or 4 batteries for cells with no more than 1g and batteries with no more than 2g lithium.

To ship lithium batteries by air outside the US, the shipments must meet:

- The labeling criteria shown in table 1 and 3
- Packaging requirements listed in section 2
- The shippers declaration below

A shippers declaration is required which includes the following information:

- The name and address of the shipper and consignee
- UN 3090
- Lithium metal batteries, PI 968, II



- The number of packages and the gross weight of each package.

### **Batteries Only - Surface (Truck/Sea/Rail) IMDG/ADR Regulations**

To ship lithium batteries by rail, truck, or sea vessel outside the US, the shipments must meet:

- The labeling criteria shown in table 1 and 3
- Packaging requirements listed in section 2

### **Batteries Packed With or Contained In Equipment - Air Only**

To ship lithium batteries packed in or with equipment by air outside the US, the shipments must meet:

- The labeling criteria shown in table 1 and 3
- Packaging requirements listed in section 3
- The specific packing instruction per IATA depending on the grams of lithium and number of cells/batteries per package.

- **IATA Packing Instructions 969 and 970 I** for cells with lithium content in excess of 1g or batteries in excess of 2g

***NOTE:** Energizer does not manufacture cells in excess of 1g and batteries in excess of 2g. For custom made packs that will exceed these thresholds contact your Energizer representative.*

- **IATA Packing Instructions 969 and 970 II** for lithium cells containing lithium metal no more than 1g and lithium batteries not exceeding 2g of lithium content.

To ship lithium batteries by rail, truck, and sea vessel within, outside the United States, the shipments must meet

- The labeling criteria shown in table 2 and 3
- Packaging requirements listed in section 3
- The information shown below.

The package shall contain no more than the number of lithium batteries or cells necessary to power the intended piece of equipment plus two spares.

### **Batteries Packed With or Contained In Equipment - Surface (Truck/Sea/Rail) IMDG/ADR Regulations**

To ship lithium batteries by rail, truck, and sea vessel within, outside the United States, the shipments must meet

- The labeling criteria shown in table 2 and 3
- Packaging requirements listed in section 3

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