



Cal/OSHA, DOT HAZMAT, EEOC, EPA, HAZWOPER, HIPAA, IATA, IMDG, TDG, MSHA, OSHA, and Canada OHS Regulations and Safety Online Training

Since 2008

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LITHIUM METAL BATTERIES

Section IA

Acceptable to dangerous goods locations Only.

Cells greater than 1g and Batteries with an aggregate lithium content in excess of 2g.¹

- Shipper's Declaration required in net weight KG.
- UN number, proper shipping name and shipper/consignee name and address on the package
- UN specification packaging required (PGII standards)
- Lithium Battery Class 9 Hazard label (See Figure 1)
- Cargo Aircraft Only (CAO) label required (See Figure 3)
- Dangerous goods surcharge

Limit per package:

Must be CAO = 35kg

Section IB

Acceptable to dangerous goods locations Only.

Cells equal to or less than 1g; and if batteries the aggregate lithium content is not more than 2g.¹

- Shipper's Declaration required in net weight KG.
- IB on Shipper's Declaration after packing instruction
- UN number, proper shipping name and shipper/consignee name and address on the package
- Strong rigid outer packaging.
- Lithium Battery Class 9 Hazard label (See Figure 1)
- Completed Lithium Battery Mark (See Figure 2)
- Cargo Aircraft Only (CAO) label required (See Figure 3)
- Dangerous goods surcharge

Limit per package:

Must be CAO = 2.5kg

~ OR ~

Section II

- Must be offered as Section IA or IB.

¹ AGGREGATE LITHIUM CONTENT - The sum of the grams of lithium content contained by the cells comprising a battery. [IATA Appendix A]

FedEx Express does not provide these DG Labels. Customers may order these labels from vendors, such as those at www.iata.org/labels.

Figure 1



Lithium Battery Class 9 Hazard Label

NOTE: No text other than the Class "9" must be included in the bottom part of the Lithium Battery Class 9 label. IATA 7.2.2.4

Figure 2



Lithium Battery Mark

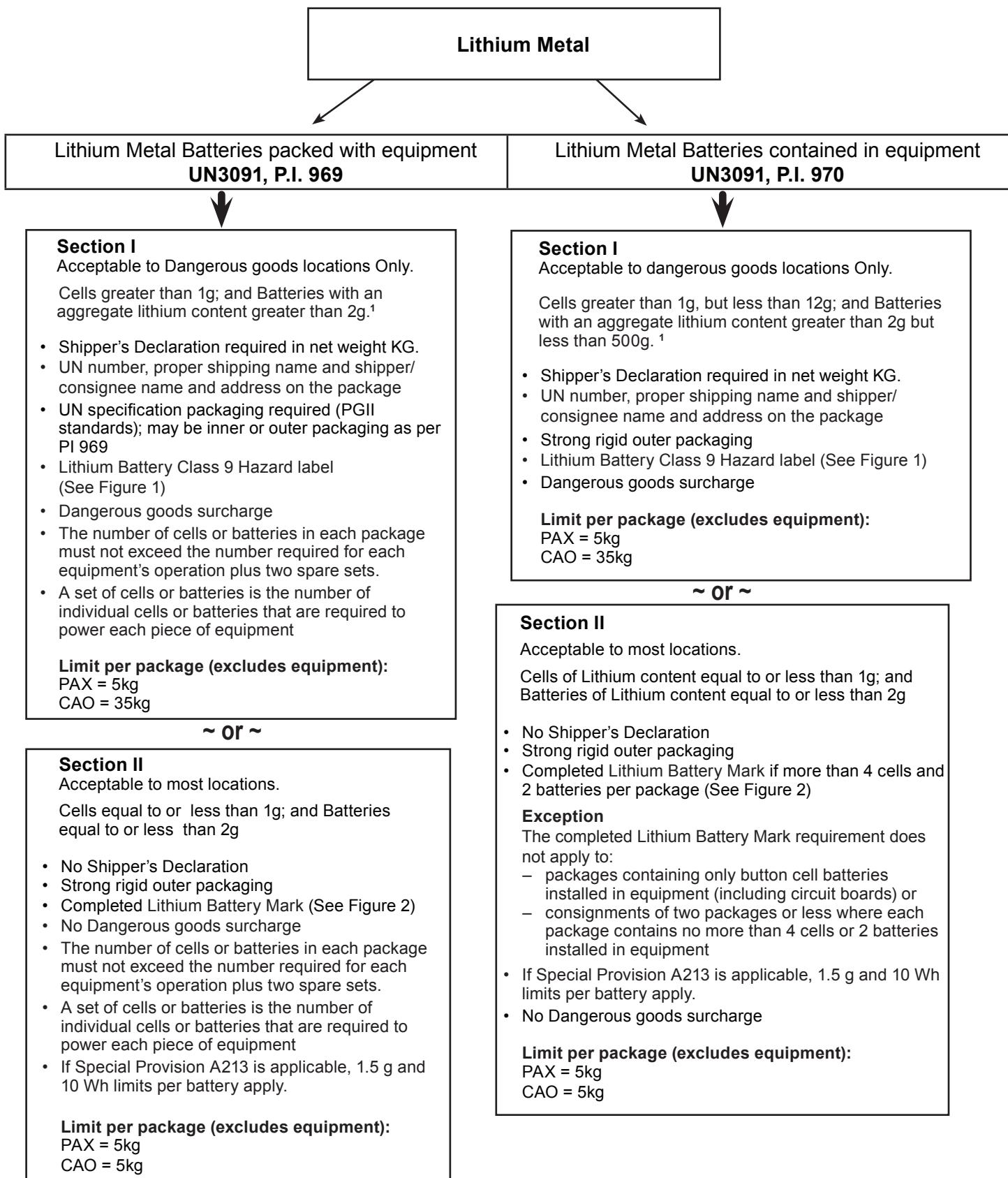
- * Shipper must add UN number(s). It should be 12 mm high **AND**
- ** The phone number is optional.

Figure 3



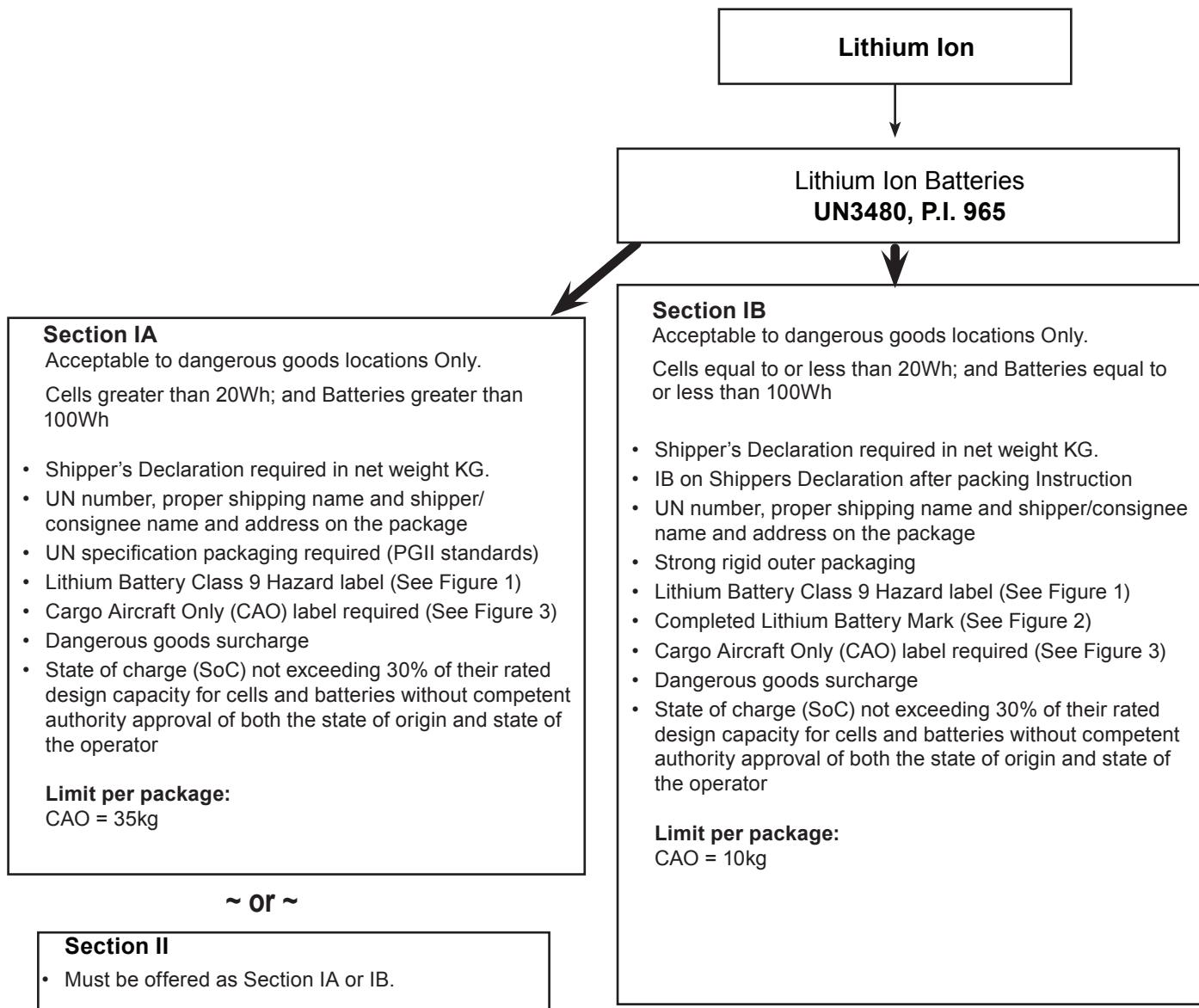
Cargo Aircraft Only Label

LITHIUM METAL BATTERIES

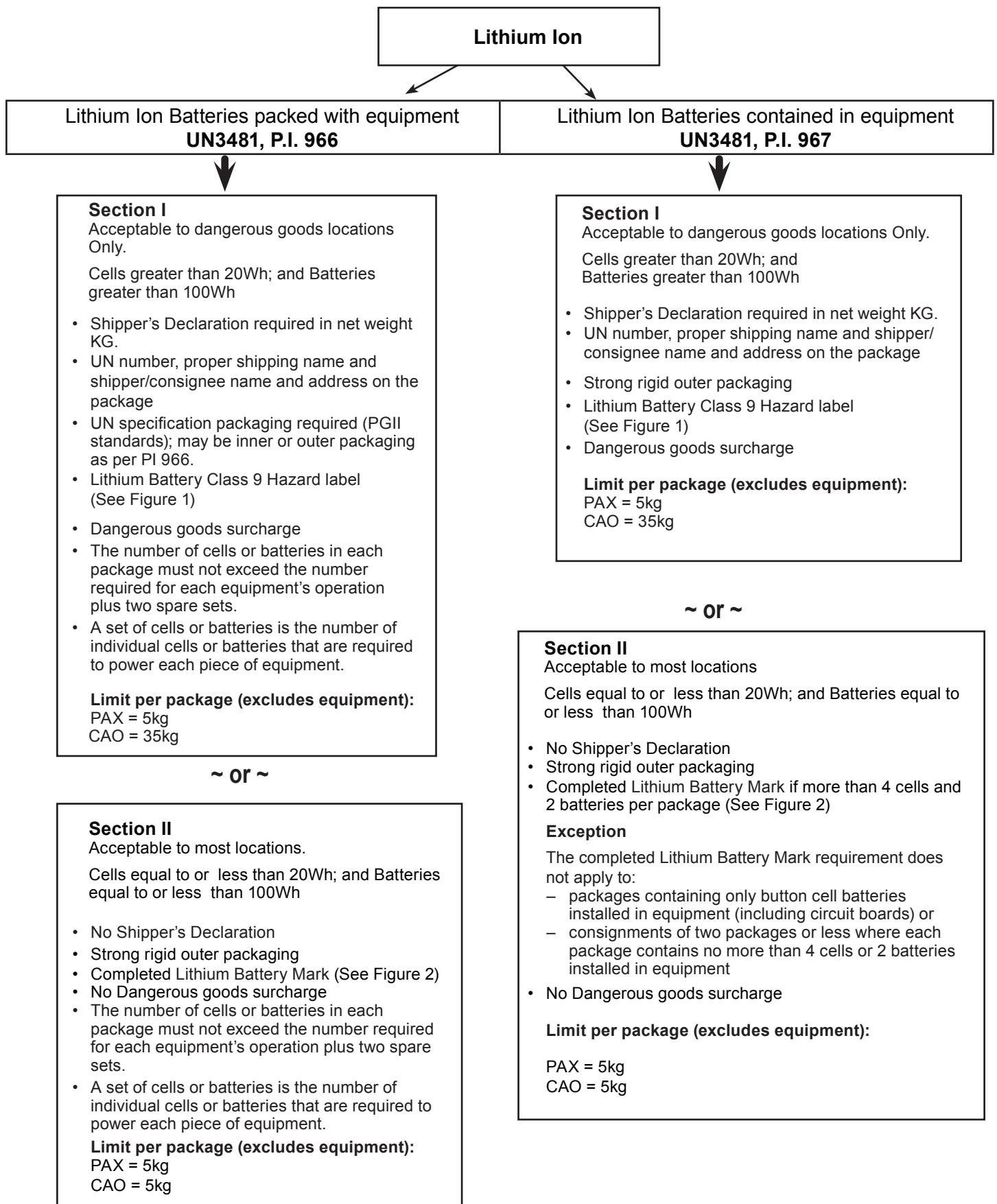


¹ **AGGREGATE LITHIUM CONTENT** - The sum of the grams of lithium content contained by the cells comprising a battery. [IATA Appendix A]

LITHIUM ION BATTERIES

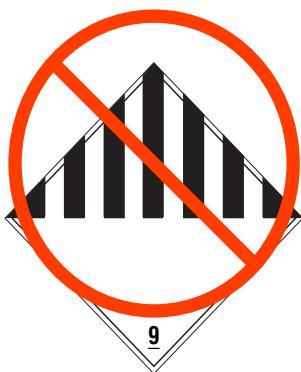


LITHIUM ION BATTERIES



Note:

- FedEx Express will not accept any item with an A183 Special Provision, even with a Competent Authority approval unless specifically preapproved. [FX-04E]
- All Lithium Batteries (Section I/IA/IB and Section II) in all packing instructions must not be shipped in the same package with the following Hazard Classes/Divisions:
1.4, 2.1, 3, 4.1, 4.2, 4.3, 5.1, 5.2, 8, or 2.2 with a Cargo Aircraft Only label. This includes All Packed in One and Overpacks.
- Exception:** If the only lithium batteries are Section II and are those in packages that are excepted from having the Lithium Battery Mark then do not select UN 3481 PI 967 or UN 3091 PI 970 in the FedEx automation system (so ELB does not appear on the automation label) for devices such as temperature control devices. [FX-05B]
- Shippers sending any data loggers or data monitors (other than FedEx SenseAware) require pre-approval. Contact your Worldwide Account Manager (WAM) to initiate the process. If you do not have a WAM, you may contact your sales or account manager. Devices are approved by manufacturer and model number, and a shipper may request the approval. You may contact your WAM, Sales or Account Manager to determine if your device is approved. [FX-05C]
- Hoverboards or similar self-balancing vehicles will only be accepted from companies if new, in unopened original packaging. Used, refurbished self-balancing vehicles shipments from individuals, resellers or third party shipments will not be accepted. [FX-04F]
- All batteries transported under IATA Special Provision A88 and A99 must be pre-approved. Customers can email A88A99approvalrequest@fedex.com to begin the process. [FX-05A]
- Call FedEx customer service and ask for the International Hotline/ Specialist to check on commodity acceptability for international shipments
- Select ELB in your FedEx automation device, if selection is available for any Section II UN3091 or UN3481 required to be labeled with the Lithium Battery Mark.



Class 9 Miscellaneous Dangerous Goods Hazard Label



Lithium Battery Label

Obsolete effective 01/01/19

The Class 9 label **cannot** be used as the hazard label for Section I/IA/IB shipments effective 01/01/19.

The Lithium Battery Class 9 hazard label must be used instead.

If you have questions please contact the Dangerous Goods/Hazardous Materials Hotline at (800) GOFEDEX and press "81" or say dangerous goods. Press "4" to reach next available agent. If calling from outside the U.S. call (901) 375-6806 and press "4".

DISCLAIMER:

This guide is based upon the 2023 IATA Dangerous Goods Regulations and provides a general overview of lithium battery shipping requirements. It does not provide complete shipping information. Consult the packing instruction and all applicable Special Provisions for the product being shipped.

These materials are provided as a courtesy, to be used as guidelines to assist properly trained shippers. These materials do not alter, satisfy, or influence any governmental requirements. The contents of these materials are subject to change due to constant changes in government regulations. FedEx Express accepts no liability for loss or damage resulting from changes, errors, omissions, or misinterpretations of these materials.