



# Lithium battery label should be printed in color

Do I need a label for lithium ion batteries?

If you're shipping lithium ion batteries contained in or packed with equipment, use a battery label with UN3481. Lithium metal batteries will use labels with one of the following UN numbers: If you're shipping lithium metal batteries as a standalone (no other items in the package), use a battery label with UN3090.

How do you label a lithium ion battery?

**Symbols:** The label must include a symbol of a black battery group with one battery showing a flame. **UN Number:** This indicates the type of battery and its associated risks. For example, "UN3480" for lithium-ion batteries shipped alone, and "UN3481" for lithium-ion batteries contained in or packed with equipment.

How many black stripes are on a lithium battery label?

The LITHIUM BATTERY label must have seven black vertical stripes on the top half. The background is white and the black stripes are spaced so that they appear equal in width to the six white spaces between them. In addition to complying with 167; 172.407.

What is a lithium battery label?

Labels are printed with the letters 'UN' and a 4-digit number. Think of it like a special code. These numbers clarify 2 types of crucial information: the lithium battery type and packaging method. Packaging method refers to how the lithium batteries are being shipped. This can be done in 3 ways:

What color should the battery label be?

The lower half of the label must be white with the symbol (battery group, one broken and emitting flame) and class number "9" underlined and centered at the bottom in black.

What are the different types of battery labels?

The most common types include: **Lithium battery labels:** For lithium-ion and lithium-metal batteries, indicating specific hazards and handling precautions. **Cargo aircraft only labels:** For batteries restricted to cargo planes. **Handling labels:** With detailed handling instructions to prevent accidents.

31 Lithium Battery Label Should Be Printed In Color Labels Database 2020. Web June 6, 2022 at 5:16 p.m. Any used equipment with lithium batteries has to now be sent ground only. Print out (in color) the proper dot hazardous materials ...

Lithium metal batteries will use labels with one of the following UN numbers: UN3090 UN3091; If you're shipping lithium metal batteries as a standalone (no other items in the package), use a battery label with UN3090. If you're shipping lithium metal batteries contained in or packed with equipment, use a battery label with UN3091.



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Items must be packaged in accordance with Packing Instructions 967 (Lithium Ion or Rechargeable) or 970 (Lithium Metal or Non-rechargeable). Both Packing Instructions prohibit the use of the "Lithium Battery Handling" label or the "Class 9 Miscellaneous Dangerous Goods" label on the outside of the package for international mailing.

As 2019 quickly approaches, lithium battery shippers need to be aware of the mandatory label changes that become effective on January 1 st. For almost 2 years shippers of small (excepted) batteries and battery-powered devices have had the option to use either the lithium battery handling "Caution" label or the lithium battery mark while operating under the ...

Consider this a friendly reminder to start using the new lithium battery marks and labels! Get training to ship lithium batteries by ground, air, or ocean in 2019. The Shipping Lithium Batteries Online Course covers the latest rules that lithium battery shippers must know. The Two Year Phase-In Period is Over Hopefully, you are already aware ...

is NOT required on a primary or subsidiary label. The label must otherwise conform to Subpart E of Part 172 [172.405].

- o Labels must be printed on or affixed to the surface of the package near the proper shipping name marking [172.406(a)].
- o When primary and subsidiary labels are required, they must be displayed next to each other ...

(a) Except for size and color, the LITHIUM BATTERY label must be as follows: (b) In addition to complying with 172.407, the background on the LITHIUM BATTERY label must be white with seven black vertical stripes on the top half.

(b) In addition to complying with 172.407, the background on the LITHIUM BATTERY label must be white with seven black vertical stripes on the top half. The black vertical stripes must be spaced, so that, visually, they appear equal in width to the six white spaces between them. The lower half of the label must be white with the symbol (battery group, one broken and emitting ...

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It is a legal requirement to label packages containing lithium batteries with the appropriate UN 3481 label when they are being transported by air, sea, or road, to ensure the safe handling and transportation of the hazardous material. 3481 ...

Guru Labels" Class 9 Lithium Battery Labels meet the design and durability standards of IATA and other International air regulations. Suitable for local or International use, the Class 9 Lithium Hazard Labels can



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help you ...

This question came to me over a year ago (January 14, 2018). A time when the Class 9 Lithium Battery label was not yet mandatory but the question of its size was still important. Since January 1st of 2019, when use of the label became mandatory for regulated shipments of lithium batteries, it is more critical still. Hello Daniel,

A lithium metal button cell battery contained in the equipment it is meant to power does not require hazard communication in transport (815) 821-1550; info@danielstraining ; PO Box 1232 o Freeport, IL 61032; ... The only package mark or ...

These Lithium Battery Labels are printed on semi-gloss paper with permanent adhesive and sold in rolls of 500. These marks became effective January 1, 2017 and have now been officially adopted into the CFR Title 49. ... Product Color: Red Black and White: Product Weight: 2.5 lbs per roll: Shipping: Shipping: Normally Ships Within 24-48 Hours:

Guru Labels" Class 9 Lithium Battery Labels meet the design and durability standards of IATA and other International air regulations. Suitable for local or International use, the Class 9 Lithium Hazard Labels can help you stay in ...

oThe marking must be on a background of contrasting color in letters at least 6 mm (0.25inch) on packages having a gross mass of 30 kg (66 lbs.) or less, except that smaller font may be used as ... Packages displaying the orange CAO label and/or a "Lithium Batteries - Forbidden for transport by Aircraft and Vessel" marking are prohibited ...

Lithium Battery Class 9 Hazard Label Lithium Battery Mark Cargo Aircraft Only 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 \* \*\* Shipper must add UN number(s). It should be 12 mm high AND Shipper must complete phone number portion of label.

Lithium battery labels: For lithium-ion and lithium-metal batteries, indicating specific hazards and handling precautions. Cargo aircraft only labels: For batteries restricted to cargo planes. Handling labels: With detailed handling instructions to prevent accidents.

Let The Supplies Shops print a lithium battery label set to meet federal and international standards for safe transportation. While a UN3481 label is for packages containing goods in addition to the lithium batteries, a Class 9 UN3480 label should be used when you're shipping standalone batteries. The sticker notifies couriers of the contents ...

Source: BOXLAB UN3480: This number is used for lithium metal batteries with a lithium content of up to 2 grams. UN3481: This number is used for lithium metal batteries with a lithium content greater than 2 grams.

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UN3090: This number is used for lithium-ion batteries with a watt-hour rating of up to 100 Wh. UN3091: This number is used for lithium-ion batteries with a ...

Background must be white or a suitable contrasting color. Hatching must be red. In other words, the lithium battery mark shown above is not compliant. The symbols are white, the letters are white, and the background is black. The hatching is red, so score it one-for-three.

The lithium battery mark may be printed directly on the outer packaging provided that there is sufficient contrast between the elements of the lithium battery mark and the colour of the packaging material. The mark must ...

Primary Lithium Battery Safety and Handling Guidelines Electrochem Solutions 670 Paramount Drive Raynham, MA 02767 ... printed on the label - After a cell has been inspected, it should be returned to its storage container ... These will change color when heated. Some heat sensitive sheets have life expectancy limitations.

We do not overlook things like that at all. It has to be in colour and conform to the minimum dimensions. You need to make sure the correct UN number is present and a telephone number. You can find what is needed on the IATA, IMDG or ...

DL1938, DL1950, DL1951, DL1952 and DL1953 labels have replaced the DL1944 label for lithium batteries. The new labels allow you to indicate the UN number you are shipping, and it includes a spot for your phone number. You must provide this information either by writing it in by hand or getting custom pre-printed labels with your contact details.

The following guide provides a summary of marking, labeling and paperwork requirements for shipping lithium batteries via domestic US ground (49 CFR 171-180 in effect 1-Jan-2020), international air (2020 IATA DGR, 61st Edition) and international vessel (IMDG, 39 ...



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