



# Lithium battery un3480

Can I ship un3481 & un3091 lithium batteries?

A: No, the updated regulation does not apply to UN3481 and UN3091 lithium batteries contained in or packed with equipment. It only applies to UN3840 and UN3090 stand-alone lithium batteries. Use the chart below to see what types of batteries you can ship as Section I, Section II, IA, and IB.

How important is un3480 / un3090 packaging for lithium batteries?

In Summary The importance of UN3480 / UN3090 regulations Failing to use the right, UN3480 compliant packaging for shipment of lithium batteries could have dire consequences for your business.

Are lithium batteries rechargeable?

Lithium batteries fall into two broad classifications; lithium metal batteries and lithium ion batteries. Lithium metal batteries are generally non-rechargeable and contain metallic lithium. Lithium ion batteries contain lithium which is only present in an ionic form in the electrolyte and are rechargeable.

What is a 3480 or 3481 lithium ion battery?

UN-No: 3480 or 3481 Lithium-Ion Batteries and Lithium-Ion batteries contained in equipment or packed with equipment. 07: ADR/RID Requirements Transit by road

Does a lithium battery Mark have a UN number?

Yes. The mark may bear all applicable UN numbers, e.g. UN 3091, UN 3481, to identify that the package contains lithium metal batteries packed with or contained in equipment and lithium ion batteries packed with, or contained in equipment. J. What are the requirements for the telephone number on the lithium battery mark?

What are the different types of lithium batteries?

But moving beyond the obvious, lithium batteries are commonly split into 2 different categories - lithium metal batteries and lithium ion batteries. Starting with lithium metal batteries, these are usually non rechargeable, and contain metallic lithium (hence the name).

Power banks and other loose lithium batteries classified as either UN3480 or UN3090 are not permitted to be processed via air in line with Qantas restrictions for either their cargo or passenger aircraft. ... Lithium battery mark labels are not required for packages that contain no more than four cells or two batteries contained in devices.

UN3480, Lithium ion batteries > 2.7 Wh and < 20 Wh Forbidden (PAX) < 8 cells (CAO) NA NA. Allowable Net Mass Per Package Shippers Dec? Labels/ Markings UN Spec Required? Additional? NA. Lithium ion batteries in compliance with Section II of PI965-CAO" on AWB. Lithium Battery Mark + CAO Label + Overpack Mark (if applicable)

# Lithium battery un3480

Lithium ion and lithium polymer cells or batteries - 2022 IATA DGR UN3480 - PI965 UN 3481 -PI966 UN3481 - PI967 Section PI965-Section IB PI966 - Section II PI967 - Section II ... RECALLED OR DEFECTED LITHIUM BATTERIES ARE FORBIDDEN FOR AIR TRANSPORT. V 5.7 - Effective from: 1 st January 2022 UN3480 UN3481 UN3481. Title: Lithium Ion Batteries ...

Additionally, UN3090 lithium metal batteries (packing instruction 968) and UN3480 lithium ion batteries (packing instruction 965), packed in accordance with section IA and IB are subject to a maximum weight restriction: o 1000kgs per ULD o 4000kgs per aircraft (in AFT lower deck compartment only!). Top.

UN3480, Lithium ion batteries < 2.7 Wh. NA < 2.7 Wh. NA. Forbidden (PAX) 2.5kg (CAO) N . 1. 9 + Lithium Battery Mark + CAO Label 1.2 m drop test < One Package Per Overpack + OP Label SOC < 30% PI 966, Section I. UN3481, Lithium ion batteries packed with equipment > 20 Wh. Minimum to power equip + 2 spare sets > 100 Wh. Minimum to

Figure 1 - Example of Lithium Metal Cells and Batteries Lithium-ion batteries (sometimes abbreviated Li-ion batteries) are a secondary (rechargeable) battery where the lithium is only present in an ionic form in the electrolyte. Also included within the category of lithium-ion batteries are lithium polymer batteries.

In the ADR and IMDG Code, Lithium Ion Batteries (including lithium polymer batteries) are classified/listed as follows: UN Number Proper Shipping Name Class UN3480 Lithium ion batteries 9 UN3481 Lithium ion batteries packed with equipment or Lithium ion batteries contained in equipment 9 LITHIUM METAL BATTERIES

The easiest way I can explain this is that a laptop would be considered UN3481. The lithium-ion battery inside the laptop is providing power to the actual laptop (equipment). The battery inside that laptop is classified as UN3480. My client explained that the battery pack would be used to charge a vehicle in case the battery dies in the car.

2022 LITHIUM BATTERY SHIPPING GUIDE . JANUARY 1, 2022 . 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-2022), international air (2022 IATA DGR, 63rd Edition) and international

1 X UN3480, Lithium ion batteries, 9, PGII 16 lbs 4.) After completing this information on the BOL, you must legibly sign where it states Tenant/Shipping Agent and put the date in the Ship Date box to the right of the signature section. 5.) Separate the ...

As described above, the UNECE gives numbers to different types of lithium batteries (e.g. UN3091, UN3480, etc.) These are then assigned Packing Instruction numbers (e.g. PI968, PI970, etc.) by IATA, which lays out limits on what each package can contain and how it should be labelled. ... PI968: Section IB - where cells

# Lithium battery un3480

contain 1 gram or less ...

Lithium cells and batteries power countless items that support everyday life from portable computers, cordless tools, mobile telephones, watches, to wheelchairs and motor vehicles. Our society has come to depend on lithium cells and batteries for an increasingly mobile lifestyle. Today's lithium cells and batteries are more energy dense than ...

&#167; 173.185 Lithium cells and batteries. As used in this section, consignment means one or more packages of hazardous materials accepted by an operator from one shipper at one time and at one address, received for in one lot and moving to one consignee at one destination address. Equipment means the device or apparatus for which the lithium cells or batteries will ...

What is the difference between UN3480 and UN3481? The easiest way to explain this is that a laptop would be considered UN3481. The lithium-ion battery inside the laptop is providing power to the actual laptop (equipment). The battery inside that laptop is classified as UN3480. A battery shipped alone would be classified UN3480.

Shipping Guidelines for Lithium Ion Batteries Dok-Typ: Information Dok-Nr.: IM\_L\_005 Rev.: F IM\_L\_005\_F\_Shipping\_Guidelines\_Lithium\_Ion\_Batteries G&#252;ltig ab [Valid from]: 23. May 2023 Seite [Page] 1 von [of] 15 ... UN3480 Lithium Ion Batteries 1 kg. Shipping Guidelines for Lithium Ion Batteries Dok-Typ: Information Dok-Nr.: IM\_L\_005 Rev.: F

Lithium-ion batteries not packed with or installed in equipment (individual batteries): Mailpieces must bear a DOT-approved lithium battery mark, as specified in 49 CFR 173.185(c)(3)(i) and Exhibit 325.2 a, applied to the address side of the mailpiece. The mark must indicate UN3480 for lithium-ion cells or batteries.

Lithium Battery Shipping Regulations, Class 9, UN3480, UN3481, UN3090, UN3091 : Total solution for Portable Power since 1995. Products are designed, assembled & Quality Controlled in USA. All products are shipped from California. ... Reguations about shipping Lithium Batteries Safely IATA/ICAO Updates. 2024 IATA Lithium Battery Guidance Document

A: UN3480 is used for standalone battery shipments, while UN3481 is used for batteries packed with or contained in equipment. The distinction helps ensure compliance with shipping regulations and proper handling of lithium batteries. If you're shipping lithium-ion batteries as a standalone, use a battery label with UN3480.

UN3480 is the UN ID for lithium ion batteries that are not packed with or installed in equipment. There is one entry in the DOT Hazardous Materials Table for UN3480. UN3480 - Hazard Class 9, Lithium ion batteries [including lithium ion polymer batteries]

The lithium ion batteries UN3480 are classified: Class 9 - UN3480 - Lithium ion batteries - Batteries that are



## Lithium battery un3480

not packed with or installed with the equipment. For each model of battery, there are different requirements to be verified: - Type of battery. - Weight of the battery. - Dimensions of the battery. - Capacity of the battery.

Lithium-ion battery packs are classified as dangerous goods in Class 9 UN3480. Lithium batteries are packaged in three ways: individually, packaged with equipment, and installed in equipment. UN is the abbreviation of United Nation, and the UN number is the number formulated by the United Nations "Recommendations on the Transport of Dangerous ...

#1: Yes, you can ship lithium batteries via USPS. However ... There are currently six types of lithium batteries eligible for shipment, in varying domestic or international quantities, via USPS: Lithium-ion (rechargeable) battery, UN3480; Lithium metal battery, UN3090; Lithium-ion (rechargeable) battery contained in equipment, UN3481

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