

Lithium ion battery un code

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?

Are lithium ion 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 do not contain metallic lithium and are rechargeable. B. What are lithium polymer batteries?

What are the abbreviations for lithium ion batteries?

(Note that T.6 and T.8 are not applicable to batteries.) You may also contact the airline of your choice or your national civil aviation authority if you have any further concerns about travelling with lithium metal or lithium ion batteries. The following abbreviations,acronyms and symbols are used throughout the document. Li batt.

What are the requirements for lithium ion batteries?

Requirements for Lithium -Ion batteries placed on the European Union market in accordance with the Batteries Directive 2006/66/EC, Regulation 1103/2010 and Directive 2023/56/EU, and corresponding national laws. Batteries may be classified as hazardous waste in some EU countries. The batteries have to be marked with the crossed wheel bin symbol.

How are lithium ion batteries regulated?

These are governed by a number of UN regulations(specifically UN3480,UN 3481 and UN3090),as well as rules set out by various transport bodies (including the IATA - International Air Transport Association). Battery packaging for Lithium Ion is tightly regulated by various legislation,including UN3480,UN3481 and IATA specific rules

Are lithium ion batteries included in equipment?

This applies to UN 3481 Lithium ion batteries contained in equipment(see Section II of Packing Instruction 967) and UN3091 Lithium metal batteries contained in equipment (see section II of Packing Instruction 970),except that button cells installed in equipment (including circuit boards) need not be considered.

"Hybrid" Batteries: containing both lithium ion cells and lithium metal cells must be shipped as UN 3090 or UN 3091, as appropriate. Note 1 - A small "hybrid" battery may not contain more than 1.5 g of lithium metal

RU-04: UN 3480 Section IB, II of PI965, UN 3481 Section II of PI966 and PI967, UN 3090 Section IB, II of PI968 and UN 3091, Section II of PI969 and PI970 is accepted for carriage only with a completed and signed



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"Shipper's Declaration for Lithium Battery" form.

UN 3480 Lithium ion batteries. Lithium ion cells and batteries are prohibited from carriage as cargo on Cathay Dragon aircraft. This applies to Section IA, IB and Section II of Packing Instruction 965. This prohibition does not apply to: o lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966

Coming in 2025 - Major updates to Lithium Battery Regulations including new proper shipping names: "UN 3557, Vehicle, Lithium Metal Battery Powered" and "UN 3558, Vehicle, Lithium Ion Battery Powered" - these entries will be used instead of "UN 3171, Battery-Powered Vehicle" when a vehicle is solely powered by a lithium metal battery or lithium ...

When it comes to selecting the right battery for a device, understanding battery codes is of paramount importance. These alphanumeric codes serve as a universal language, offering key insights into the battery's size, chemistry, voltage, and other critical specifications. ... 18650: This code signifies a cylindrical lithium-ion battery: 18 ...

and must be assigned to UN 3480, lithium ion batteries, or UN 3090, lithium metal batteries, as applicable. For carriage by passengers, power banks are considered spare batteries and must be individually protected from short-circuit and carried in carry-on baggage only.

The UN (United Nations) number shipping name UN 3481 is used to describe lithium-ion batteries that are packed with equipment. The International Civil Aviation Organization's "Technical Instructions for the Safe Transport of ...

Lithium ion batteries, UN 3480, packages containing a single aircraft battery with a net mass not exceeding 35kg; and ... Browse special provision A51. A54: Irrespective of the quantity limits in Column 9B of the §172.101 table, a lithium battery, including a lithium battery packed with, or contained in, equipment that otherwise meets the ...

Code (IMDG Code) subject to the additional conditions and limitations of the HMR specified in subpart C of part 171 of the HMR (§§ 171.22-26). ... two basic types: lithium ion and lithium metal. Both battery types are characterized by a higher energy and a longer operating life than alkaline, ... PHMSA's "Announcing New UN Requirement for ...

containing both lithium ion cells and lithium metal cells must be shipped as UN 3090 or UN 3091, as appropriate. Note 1 - A small "hybrid" battery may not contain more than 1.5 g of lithium metal contained within all

Substance information for UN 3481 - Lithium ion batteries contained in equipment including lithium ion polymer batteries based on the Hazardous Materials Table (Title 49 CFR 172.101) to assist in preparing a risk

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assessment for loading, transporting and storing hazardous materials. ... a lithium battery, including a lithium battery packed with ...

Substance information for UN 3481 - Lithium ion batteries packed with equipment including lithium ion polymer batteries based on the Hazardous Materials Table (Title 49 CFR 172.101) to assist in preparing a risk assessment for loading, transporting and storing hazardous materials.

Lithium ion batteries packed with equipment: Batteries packed together with equipment but not attached to the device e.g. mobile phone + loose (spare) unattached battery, power tool with loose (spare) battery: 9: UN3481: Lithium ion batteries contained in equipment: Batteries contained in equipment, i.e. installed/integrated in the device

Lithium ion batteries contained in equipment meeting the provisions of Section II of Packing Instruction 967 of the IATA Regulations. No more than four cells or two batteries may be mailed in any single package. Lithium battery mark labels are not required for packages that contain no more than four cells or two batteries contained in devices. UN3091

3481 Lithium ion batteries contained in equipment or UN 3481 Lithium ion batteries packed with equipment, as appropriate. Lithium ion batteries or lithium metal batteries installed in a cargo transport unit ... A214, and as they are powered by a lithium ion battery, the correct classification for these small vehicles is UN 3171, Battery-powered ...

In the ADR and IMDG Code, Lithium Ion Batteries (including lithium polymer batteries) are classified/listed as follows: ... Each package must be labelled with a completed lithium battery mark: -> UN Number -> a telephone number where more information on the shipment and its content can be obtained Marking specifications:

Lithium-Ion batteries, UN 3480 ADR Special Provisions 230, 188, 310, 376, 377, 636 and 348 will ... o The Li-ion battery is of the type proved to meet the requirements of each test in the UN ... IMO Class Packing group II IMO-Labels 9 Proper shipping name Lithium-Ion batteries, UN 3480 IMDG Code: Special provisions 188, 310, 376, 377, 636 ...

Substance information for UN 3481 - Lithium ion batteries contained in equipment including lithium ion polymer batteries based on the Hazardous Materials Table (Title 49 CFR 172.101) to assist ...

Lithium ion batteries contain flammable liquid electrolyte that may vent, ignite and produce sparks when subjected to high temperatures (> 150 °C (302 °F)), when damaged or abused (e.g., mechanical damage or electrical overcharging). ... Contact with battery electrolyte may be irritating to skin, eyes and mucous membranes. Fire will produce ...

-The Lithium-Ion battery is of the type proved to meet the tests requirements of the UN Manual of Tests and

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Criteria, PartIII, sub-section 38.3 ; A summary report of the tests shall be available on request.

Specific to lithium batteries, a company battery due diligence policy should be adopted concerning the use of lithium. Furthermore, industrial batteries, electric vehicle batteries, LMT batteries and SLI batteries containing lithium or other listed substances in active materials have specific conformity procedures that need to be followed: a.

The UN (United Nations) number shipping name UN 3481 is used to describe lithium-ion batteries that are packed with equipment. The International Civil Aviation Organization's "Technical Instructions for the Safe Transport of Dangerous Goods by Air" paper and the IATA's "Dangerous Goods Rules (DGR)" document establish severe ...

for a lithium-ion battery, the watt-hour rating is not more than 100 Wh. Lithium-ion batteries subject to this provision shall be marked with the watt-hour rating on the outside case, except those manufactured before 1 January 2009; .3 Each ...

UN Number Name of material; 3480: Lithium-ion batteries: 3481: Lithium-ion batteries contained in equipment or packed with equipment: 3536: Lithium-ion batteries installed in cargo transport unit: 3171: Battery-powered equipment or vehicle with lithium-ion batteries

Lithium Ion and Sodium Ion Batteries . GUIDE . 147 . EMERGENCY RESPONSE FIRE o A lithium ion or sodium ion battery fire may reignite at any point after the initial fire is extinguished, up to weeks later. o Use thermal imaging, if available, to continuously monitor the battery.

LITHIUM ION BATTERIES UN3480 . 1. Identification of Product and Company Product Name: LITHIUM - ION BATTERY Other names: LFP, LiFePO: 4, NMC, NiMnCo, Lithium Ion Battery. Trade names: Sonnenschein Module Pro Sonnenschein Lithium, Sonnenschein Lithium Material ... HAZCHEM CODE: 4W. EXPLOSION: Closed containers may explode, burst, rupture or vent ...

Lithium batteries are defined in international regulations and by many transport companies as a hazardous material (HazMat). This applies to both Lithium Metal batteries (disposable) and Lithium Ion batteries (rechargeable), even though the latter do not actually contain lithium. The restrictions apply not strictly because of the lithium content, but because ...

Lithium polymer batteries are considered a type of lithium ion battery. Lithium ion batteries are used in consumer goods such as cell phones, electric vehicles, laptop computers, power tools, drones, etc. ... The International Maritime Organization's International Maritime Dangerous Goods Code (IMDG ... Must be packed in accordance with ...

Decoding UN 38.3 Testing for Batteries; Lithium Battery Transportation: Going Beyond the UN 38.3 Tests; The Basics of UN 38.3 and the Requirements for the Transportation of Lithium Batteries; UN 38.3



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Classification. There are four classifications based on battery type (lithium or lithium-ion) and how they are shipped (alone or in a device):

Substance information for UN 3481 - Lithium ion batteries packed with equipment including lithium ion polymer batteries based on the Hazardous Materials Table (Title 49 CFR 172.101) to assist ...

This includes the UN code and the name for the goods, in this case "UN 3480 Lithium Ion Batteries" and the correct dangerous goods class hazard label. ... Take a look at their customer case and learn how we helped them reduce logistic costs with a compliant lithium ion battery packaging solution. Download the free case here: [Download the ...](#)

lithium ion cells and batteries (see UN Nos. 3090, 3091, 3480 and 3481, and the applicable special provisions of Chapter 3.3 of the Model Regulations). 38.3.2 Scope ... lithium ion battery, with a Watt-hour rating of more than 6 200 Watt-hours, that battery assembly does not

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