

## Un 3480 lithium ion batteries class 9

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 happens if you don't use UN3480 compliant packaging?

Failing to use the right, UN3480 compliant packaging for shipment of lithium batteries could have dire consequences for your business. This could extend to significant fines, jail sentences for individuals within your organisation and the reputational damage of having caused a (potentially fatal) accident.

What are the new UN numbers for lithium ion and lithium metal batteries?

New UN numbers were introduced for Lithium Ion (rechargeable) and Lithium Metal (non-rechargeable) batteries and stringent conditions are now in force, even where special provisions applied. Some of the batteries we carry through the Hazchem Network are - UN 3090 -- lithium metal batteries

How much lithium ion battery should a package contain?

Lithium metal battery  $\leq 2$  g lithium content Lithium ion battery  $\leq 100$  Wh Packages containing LITHIUM BATTERIES (not contained in or packed with equipment) must not exceed 30 kg gross mass. Good quality packaging to withstand the shocks and loading normally encountered during transport. Constructed and closed to prevent loss of contents.

What are the shipping requirements for a lithium ion battery?

All packages prepared in accordance with Packing Instruction 968, Section IA, IB and II, must bear a Cargo Aircraft Only label, in addition to other required marks and/or labels. All lithium ion cells and batteries (UN 3480 only) must be shipped at a state of charge (SoC) not exceeding 30% of their rated capacity.

Lithium batteries are classified in Class 9 - Miscellaneous dangerous goods as: UN 3090, Lithium metal batteries; or; UN 3480, Lithium-ion batteries; or, if inside a piece of equipment or packed separately with a piece of equipment to power that equipment as:

UN 3480, LITHIUM ION BATTERIES : Battery Testing Data . LITHIUM ION CELLS OR BATTERIES MUST MEET THE REQUIREMENTS OF EACH TEST IN THE . UN Manual of Tests and Criteria, Part III, Subsection 38.3. ... Lithium Battery class 9 label, Lithium Battery Mark and the Cargo Aircraft Only Label.

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UN 3480, PI965 - loose lithium-ion batteries (not contained in, or packed with, equipment) UN 3481, PI966 - lithium-ion batteries packed with equipment ... (DGR) which categorizes lithium batteries as "Class 9 - Miscellaneous dangerous goods". By Sea - the International Maritime Organization (IMO) via their International Maritime ...

general relief for larger batteries. o There is a Class 9 Miscellaneous label that was developed specifically for lithium battery shipments. UN Identification Numbers Applicable to Lithium Battery Shipments UN3480: Loose lithium ion batteries UN3481: Lithium-ion batteries "packed with" or "contained in" equipment

Lithium batteries are classified in Class 9 - Miscellaneous dangerous goods as: &#202; UN 3090, Lithium metal batteries; and &#202; UN 3480, Lithium ion batteries or if inside a piece of equipment or packed separately with a piece of equipment as: &#202; UN 3091, Lithium metal batteries contained in equipment; or &#202; UN 3091, Lithium metal batteries ...

Data for UN 3480, LITHIUM ION BATTERIES (including lithium ion polymer batteries) UN-number: 3480: Name: LITHIUM ION BATTERIES (including lithium ion polymer batteries) Comment: Class: 9: Classification: M4: Packing group: Labels: 9A: Danger number: Transport category: 2: Tunnel code (E) Special provisions: 188 230 310 348 376 377 387 636 ...

4 o Lithium metal (LiM) o are generally non-rechargeable (primary, one-time use). o have a longer life than standard alkaline batteries o are commonly used in hearing aids, wristwatches, smoke detectors, cameras, key fobs, children's toys, etc. LITHIUM BATTERY TYPES There are many different chemistries of lithium cells and batteries, but for transportation purposes, all lithium ...

UN 3480 -- lithium ion batteries (including lithium ion polymer batteries) ... UN 3536 -- lithium batteries installed in cargo transport unit lithium ion batteries or lithium metal batteries. All lithium batteries are Class 9 -- miscellaneous dangerous substances and articles. All batteries must be tested and meet the criteria as stated in ...

Lithium Ion batteries are classified as an article and are not hazardous when operated in accordance with the manufacturers recommendations. When used in accordance with recommendations, the electrode materials and liquid electrolyte are non-reactive provided that the cell enclosure and the seals remain intact. Battery cells are

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 and 348 will apply and Packing Instruction P903, P908, P909 and P910 EmS: F -A, S-I Stowage category A . IATA-DGR Class Packing group II ICAO -Labels 9 Proper shipping name Lithium -Ion batteries, UN ...

UN 3480 Lithium ion batteries 5 kg 35 kg &gt; ? &gt; 4-11-24 Part 4 2015-2016 EDITION ... assigned to

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Class 9. Certain lithium ion and lithium polymer cells and batteries offered for transport and meeting the requirements of Section II of this packing instruction, subject to paragraph 2 below, are not subject to other ...

38.3 Lithium metal and lithium ion batteries 38.3.1 Purpose This section presents the procedures to be followed for the classification of lithium metal and 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

The lithium ion batteries UN3480 are classified: Class 9 - UN3480 - Lithium ion batteries - Batteries that are 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 batteries are high-energy, long-life mobile energy sources, but they ... 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. ... such as the UN number of lithium batteries: UN3480, UN3481 ...

need, one consignment of lithium batteries may be transported as Class 9 (UN 3480) on passenger aircraft with the prior approval of the authority of the State of origin and with the ... 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 ...

UN 3480, Lithium ion batteries (shipped by themselves) UN 3091, Lithium metal batteries contained in equipment or packed with equipment; ... Class 9 Packing Group II, tunnel category E ADR/RID-Labels 9 Proper shipping name Lithium-Ion batteries, UN 3480 ADR Special Provisions 188, 230,310, 636 will apply and Packing Instruction P903, P903a and ...

UN # Shipping Name and Description Class; UN2794: BATTERIES, WET, FILLED WITH ACID, electric storage: 8: ... 9: UN3481: LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT (including lithium ion polymer batteries) ... Note: The generic Class 9 label may be used until December 31, 2018. Contact information

Classification (DGR 3.9.2.6) Lithium batteries are classified in Class 9 - Miscellaneous dangerous goods as: o UN 3090, Lithium metal batteries; or o UN 3480, Lithium ion batteries or, if inside a piece of equipment or packed separately with a piece of equipment to power that equipment as:

This two-in-one, paper UN3480 Preprinted Shipping Name Class 9 Lithium Ion Batteries label combines the label (172.400) with the marking requirements of 172.300. These standard tab labels measure 100mm x 120mm. ... UN Number 3480. Material Semi-Gloss Paper Adhesive Type Permanent Minimum Application Temperature 20&#176;F (-7&#176;C) Service Range-65&#176;F ...

Substance information for UN 3480 - Lithium ion batteries including lithium ion polymer batteries based on



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the Hazardous Materials Table (Title 49 CFR 172.101) to assist in preparing a risk assessment for loading, transporting and storing hazardous materials. ... No compatibility information for class 9 in 49 CFR 177.848 included.

**TRANSPORTATION OF CLASS 9 LITHIUM BATTERIES.** The use of lithium batteries is growing at an extraordinary rate - thanks to their light weight, performance, and relatively low cost. ... UN 3480 -- lithium-ion batteries. UN 3481 -- lithium ion batteries contained in equipment, ...

**Classification (DGR 3.9.2.6)** Lithium batteries are classified in Class 9 - Miscellaneous dangerous goods as: o UN 3090, Lithium metal batteries; or o UN 3480, Lithium ion batteries. or, if inside a piece of equipment or packed separately with a piece of ...

These instructions have been specifically prepared for the shipment of lithium batteries fully regulated as Class 9, UN3090, UN3091, UN3480, UN3481; effective January 1, 2023; ADR ...

These instructions have been specifically prepared for the shipment of lithium batteries fully regulated as Class 9, UN3090, UN3091, UN3480, UN3481; effective January 1, 2023; ADR 2023. ... Damaged or defective cells and batteries of UN Nos. 3090, 3091, 3480 and 3481 P909, Disposal or recycling cells and batteries of UN Nos. 3090, 3091, 3480 ...

UN No. 3480: NAME and description: LITHIUM ION BATTERIES (including lithium ion polymer batteries) Technical name (SP 274, 318, 61, 220) Alternative PSN: Class: 9: Classification code: M4: Packing group: Labels

All lithium-ion cells and batteries (UN 3480 only) must be shipped at a state of charge (SoC) not exceeding 30% of their rated capacity. ... Identification of the cargo type (e.g., lithium - ion batteries) Class 9 lithium battery label; UN DG identification number; Shipper or recipient 's name and address; Emergency contact information;

Lithium Battery Shipping Regulations, Class 9, UN3480, UN3481, UN3090, UN3091 : Total solution for Portable Power since 1995. ... UN 3480, Lithium Ion Batteries; UN 3481, Lithium Ion Batteries packed with equipment; UN 3481, Lithium Ion Batteries contained in equipment;

**BATTERY INFORMATION FACTSHEET** : Lithium-Ion (Li-Ion) Batteries Date 11/01/2021 template provided by RECHARGE aisbl Page 1 of 11 1 FOREWORD This document is addressed to Battery Manufacturers and Original Equipment Manufacturers ... of Dangerous Goods.They are classified under CLASS 9, UN 3480 : Lithium-Ion Batteries, and UN 3481 : Lithium-Ion

All lithium-ion cells and batteries (UN 3480 only) must be shipped at a state of charge (SoC) not exceeding 30% of their rated capacity. ... Identification of the cargo type (e.g., lithium - ion batteries) Class 9 lithium ...



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Batteries only 30 kg Gross UN 3480 Special Provision 188 P903 LP903 P908 LP904 P909 > 20 Wh / Cell > 100 Wh / Battery N/A UN certified Class 9 LB ... 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

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