



Substance information for UN 3090 - Lithium metal batteries including lithium alloy 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.



UN3090 Lithium metal batteries 968 (section II)
UN3091 Lithium metal batteries packed with equipment 969 (section II) Lithium metal batteries contained in equipment 970 (section II) What are the general requirements for the transport of Section II Lithium Batteries? General requirements for Lithium Batteries as per IATA DGR 3.9.2.6



Aboard aircraft, mandatory segregation of materials in the above listed classes/divisions from UN3090, Lithium metal batteries, and UN3480, Lithium ion batteries will take effect January 1, 2019. Shippers must not tender air service level packages to UPS (including overpacks) which combine UN3090 or UN3480 with any materials in the classes

UN3090 LITHIUM METAL BATTERIES



The Hazmat Table in 49 CFR 172.101 "lists and classifies those materials which the Department (of Transportation) has designated as hazardous materials for purposes of transportation". UN/NA datasheets display several items from the Hazmat Table: proper shipping names, hazard classes and divisions (explosives may also include a compatibility group letter label codes, and special ???



Lithium Metal Batteries 2019 UN nr. PSN Class PI
Section SHC Limit per package DGD Notoc
Notification PAX CAO UN3090 Lithium Metal
Batteries 9 968 I A RBM Forbidden 35 kg Yes
UN3090 Section II: Not more than 1 package or
overpack in any single consignment (Consolidations
OK to accept).



batteries are types of lithium ion batteries. ???
Lithium Metal Batteries. (UN3090). These cannot be
recharged and are designed to be discarded once
their initial charge is used up. This SAFO
recognizes that both ICAO and Title 49 CFR prohibit
the carriage of lithium metal batteries (UN3090) as
cargo on passenger aircraft.

UN3090 LITHIUM METAL BATTERIES



UN3090, Lithium Metal Batteries *IB on Declaration
A telephone number is no longer required on the lithium battery mark. Lithium battery marks with a phone number may continue to be applied until December 31, 2026. Federal Aviation Administration Packing Instruction (PI) 969, Section I UN #, Proper Shipping Name Lithium



Lithium Metal Batteries UN3090, P.I. 968 Section IB
Acceptable to dangerous goods locations Only.
Cells equal to or less than 1g; and if batteries the Lithium Metal Batteries contained in equipment
UN3091, P.I. 970 AGGREGATE LITHIUM
CONTENT - The sum of the grams of lithium



Lithium Metal Batteries . Hazard classification .
Depending on their lithium metal content, some single cells and small multicell battery packs may be non-assigned to Class 9. Shipment can ship via AIR as NON D.G as per IATA regulation. (Refer to Transport Certificate) Packing Group . IA . IMDG Code . 3090 (Li batteries)

UN3090 LITHIUM METAL BATTERIES



LITHIUM METAL CELL/BATTERY REQUIREMENTS IS MY LITHIUM CELL OR BATTERY UN TESTED? BATTERY-POWERED VEHICLES . IMPORTANT CLASSIFICATION REQUIREMENT Except for prototype batteries, each lithium cell or battery (small, medium or fully regulated) must be of the type proven to meet the criteria in part III, sub -section 38.3 of



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 applicable requirements of ?173.185, may have a mass exceeding 35 kg if approved by the Associate Administrator prior to shipment.



PI 968 for lithium metal cells and batteries packed alone (UN3090) on cargo aircraft only (CAO). Both PI 965 and PI 968 have a multitude of State and Operations variations that may effect the transport of a lithium cell or battery.

UN3090 LITHIUM METAL BATTERIES



GP Lithium batteries (sometimes referred to as "Lithium metal battery ") are defined as class 9 dangerous goods when Cells Lithium weight more than 1 g and batteries Lithium weight more than 2 g, under the IATA Dangerous Goods Regulations 57th edition 2015, ICAO Technical Instructions. These batteries are not subject to the dangerous



UN3090 is a UN ID for lithium metal batteries [not rechargeable and are not packed with or installed in equipment]. There is one entry in the DOT Hazardous Materials Table for UN3090. UN3090 - Hazard Class 9, Lithium metal ???



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 ???

UN3090 LITHIUM METAL BATTERIES



ADR data for UN3090 LITHIUM METAL BATTERIES (including lithium alloy batteries)
LITHIUM METAL BATTERIES (including lithium alloy batteries) Comment: Class: 9: Classification: M4: Packing group: Labels: 9A: Danger number: Transport category: 2: Tunnel code (E) Special provisions: 188 230 310 376 377 387 636:



Lithium Metal Batteries UN3090, P.I. 968 Section IB
Acceptable to dangerous goods locations where UN3090 is not prohibited. 1 Cells equal to or less than 1g; and Batteries the aggregate lithium content is not more than 2g. 2 ??? Shipper's Declaration required in net weight KG.



Effective July 1, 2015, all existing customers and new customers who wish to ship lithium metal batteries without equipment (UN3090) via UPS (R) Air services must obtain pre-approval from UPS Airlines. This requirement is to ensure that proper training has occurred and that all applicable safety regulations are properly followed for such shipments.

UN3090 LITHIUM METAL BATTERIES



UN3090 LITHIUM METAL BATTERIES (including lithium alloy batteries) 9 . Page 5 of 20 UN3091 LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT (including lithium Lithium metal batteries are usually non-rechargeable, contain metallic lithium, and have a higher energy density than other non-rechargeable batteries. Among other



Lithium Metal Batteries UN3090. Lithium Metal Cells and Batteries shipped by themselves ??? UN3090 (not contained in or packed with equipment) are forbidden for transport as cargo on passenger aircraft. They can be shipped on cargo aircrafts when packed in accordance with Packing Instruction 968.

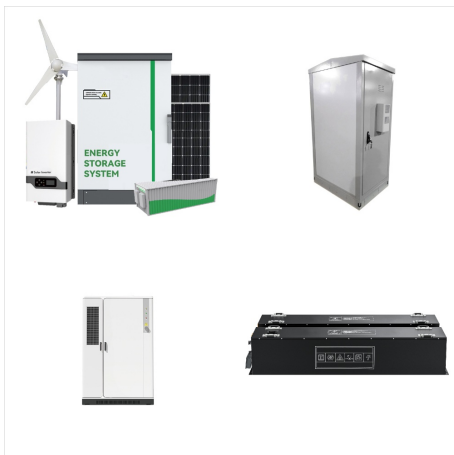


Small battery means a lithium metal battery or lithium ion battery with a gross mass of not more than 12 kg. Small cell means a lithium metal cell in which the lithium content of the anode, when fully charged, is not more than 12 g, or in the case of a lithium ion cell, means a cell with a Watt-hour rating of not more than 150 Wh.

UN3090 LITHIUM METAL BATTERIES



UN3091 Lithium metal batteries packed with equipment or Lithium metal batteries contained in equipment 9 . Dangerous Goods ??? Reference Document Lithium ION (UN3480 & UN3481) Lithium METAL (UN3090 & UN3091) Maximum Watt-hour rating: Cells: 20 Wh Batteries: 100 Wh



The UN3090 Lithium Battery Handling Mark at Labeline ??? designed to highlight the presence of lithium metal batteries, helping to alert handlers to specific handling and transport protocols. Compliant with international regulations, this label aids in safe identification and reduces transit risks for lithium battery shipments.



Lithium metal batteries are classified as Class 9 dangerous goods in the United Nations Recommendations, and given UN numbers UN3090 and UN3091. All the relevant requirements of UN Recommendations as well as other related regulations such as IATA Dangerous Goods Regulation (IATA-DGR) and International Maritime Dangerous Code (IMDG-Code) shall

UN3090 LITHIUM METAL BATTERIES



Product Name LITHIUM CSC & PMX CELLS AND BATTERIES Other means of identification UN/ID no UN3090 (if packed in or with equipment use UN3091) Synonyms Hermetically-Sealed Lithium Sulfuryl Chloride Cells and Batteries Recommended use of the chemical and restrictions on use Recommended use No information available



Lithium Metal Batteries Shipped In Bulk UN 3090; Hazard: Lithium Metal Batteries Shipped In Bulk UN 3090 A single cell (AA, AAA, C, 18650, cr123, etc., usually referred to as a battery by consumers) may be defined as a single encased electrochemical component and a battery (power drill battery, power pack, drone battery, etc.) is two or more



The batteries UN3090 are lithium metal batteries, non rechargeable, without equipment. The lithium metal batteries UN3090 are classified: Class 9 ??? UN3090 ??? Lithium metal batteries ??? Batteries not packed with or installed with the equipment. For each model of battery, there are different requirements to be verified: