



# MsdS un3481 lithium ion batteries

UN Number UN3480, UN3481 Shipping Name UN 3480, Lithium Ion batteries UN 3481, Lithium Ion batteries, contained in equipment UN3481, Lithium Ion batteries, packaged with equipment Hazard Classification Class 9 - Subjected to dangerous goods regulations. Packing Instruction IATA, PI 967 Section I.

Lithium batteries which meet the requirements of UN38.3 (UN Manual of Tests and Criteria, Part III, subsection 38.3) could be transported by air and by sea as ordinary goods, otherwise should be transported according to Class 9, Packing Group II hazardous goods.

UN Classification: UN3480 (standalone battery pack) UN3481 (contained in equipment or packed with equipment) Proper shipping name: Lithium ion batteries Lithium ion batteries contained in equipment or Lithium ion batteries packed with equipment Class: 9 - Miscellaneous Dangerous Goods Packing group: II

lithium fluorophosphate Not Available Not Available ethylene carbonate Not Available Not Available  
Chemwatch: 5351-43 Version No: 6.1 Page 4 of 15 Toro Lithium Ion Battery Powered Equipment (UN3481)  
(Lithium Ion Battery Packed with Equipment) Issue Date: 03/09/2020 Print Date: 09/02/2022 Continued...

Product Name: Lithium Ion Battery NPC Document: SDS-10 Rev 2019 Effective Date: January 1, 2019  
SDS-10 Rev2019 1. PRODUCT AND COMPANY IDENTIFICATION ?Product name: Lithium ion rechargeable battery ?Product code: None (Models assembled with individual cell capacities of less than or equal to 5.4Ah) ...

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 ...

UN3481 Battery LL-12V75-24, LL-12V100-24, LL-12V100-27, LL-12V100-31 (LT, BL, LB) POWER-005 -Lithium Iron Phosphate (LiFePO<sub>4</sub>) Rechargeable ... applicable U.S. DOT regulations for the safe transport of lithium-ion batteries and the International Maritime Dangerous Goods Code. This battery has passed the UN Manual of Tests and Criteria Part III ...

The transport of rechargeable Lithium-Ion batteries regulated by the united nations as detailed in the "model Regulations on the transport of dangerous Goods Ref. ST/SG/AC.10/1 Revision 18 2013". Defined by UN in the "Recommendations on the transport of Dangerous Goods Chapter 38.3 Manual of

Lithium ion batteries - Lithium ion batteries in compliance with Section of PI 965. 1) Section IB applies to lithium ion batteries with a Watt-hour rating not exceeding 100 Wh packed in quantities that exceed the allowance permitted in Section II, Table 965-II.



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Toro Lithium Ion Battery Powered Equipment (UN3481) (Lithium Ion Battery Packed with Equipment) The Toro Company Chemwatch Hazard Alert Code: 3 Chemwatch: 5351-43 Version No: 7.1 Safety Data Sheet according to OSHA HazCom Standard (2012) requirements Issue Date: 23/12/2022 Print Date: 13/03/2023 S.GHS A.EN SECTION 1 Identification

Toro Lithium Ion Battery Powered Equipment (UN3481) (Lithium Ion Battery Packed with Equipment)\_2022\_December\_23\_USA\_EN.pdf. The Toro Company. Chemwatch Hazard Alert Code: 3. Chemwatch: 5351-43. Issue Date: 23/12/2022. Version No: 7.1. Safety Data Sheet according to OSHA HazCom Standard (2012) requirements. Print Date: 13/03/2023. ...

from a battery cell contaminates, dispose as industrial wastes subject to special control. 14. Transport Information Lithium ion batteries containing no more than 1.5g/cell and 8g/battery pack and also power is no more than 20Wh/cell and 100Wh/battery pack of lithium can be treated as &quot;Non-dangerous goods&quot;

UN3480 - Lithium ion batteries UN3481 - Lithium ion batteries contained in equipment or packed with equipment Lithium ion batteries which have been transportation tested but have a possible stored energy of &gt;100Wh must be transported as Class 9 dangerous goods which impose strict packaging, labeling and documentation require- ...

2024 Lithium Batteries Regulations: Battery Types. Step 1 - What type of battery are you shipping? Tip: Click the below buttons to get more details on each type of batteries. Lithium ion batteries or cells . are rechargeable (secondary) lithium ion or lithium polymer cells or batteries. These are very commonly found in portable consumer

MSDS Li-ion Rev. 8 February 2009 Material/Product Safety Data Sheet (MSDS-PSDS) MP / VL products Revision 8 Date 02/2009 Lithium-Ion single cells and multi-cell battery pack 1. Identification of the Substance or Preparation and Company Product Rechargeable lithium-ion single cells and multi-cell battery packs Production sites

mercury content by weight in battery as less than 0.0001%". And therefore: Ansmann lithium ion batteries belong to the category mercury-free battery (mercury content lower than 0.0001%). 13. Disposal Considerations USA: Lithium-Ion batteries are classified by the federal government as non-hazardous waste and are

MSDS Page 1 of 8 Printed 17-1-5 ... lithium-ion batteries are packed with or contained in an equipment, UN No. is UN3481 . LG CHEM MATERIAL SAFETY DATA SHEET MSDS Page 8 of 8 Printed 17-1-5 Each cell or battery is of the type proven to meet the requirements of each test in

o 966 Section II (UN3481, Lithium ion batteries packed with equipment) o 967 Section II (UN3481, Lithium ion batteries contained in equipment) o International Maritime Organization (IMO) Special Provisions 188 and 230 o European Agreement Concerning the International Carriage of Dangerous Goods by



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UN number: 3480 (3481 when the battery is contained in equipment or packed with equipment, 3171 when the battery is contained in vehicle and that is only powered by the battery) Proper shipping name: Lithium ion batteries ("lithium ion batteries contained in equipment" or "lithium ion batteries packed with

PRODUCT AND COMPANY IDENTIFICATION. Product name: Lithium ion rechargeable battery cell. Product code: None (All models Sanyo manufactured and whose capacity is less than or equal to 5.4Ah, including the cell branded as Panasonic, excluding the cell whose shape is prismatic and two or more short / middle / long side excess 12mm/85mm/110mm.)

Toro Flex Force Lithium Ion Battery (UN3481) The Toro Company. Chemwatch Hazard Alert Code: 3. Chemwatch:5351-43. Issue Date:07/05/2019. Version No:2.1.1.1. Safety Data Sheet according to OSHA HazCom Standard (2012) requirements. Print Date:08/05/2019. L.GHS A.EN. SECTION 1 IDENTIFICATION. Product Identifier.

category of lithium-ion batteries are lithium polymer batteries. Lithium-ion batteries are generally used to power devices such as mobile telephones, laptop computers, tablets, power tools and e-bikes. Figure 2 - Example of Lithium Ion Cells and Batteries Note: Lithium ion batteries packed by themselves (Packing Instruction 965) (not contained ...

- UN number of lithium battery: UN3480 or UN3481; UN Proper shipping name/Description (technical name): Lithium Ion batteries or Lithium Ion batteries contained in equipment or Lithium ion batteries packed with equipment; UN Classification (Transport hazard class): Class 9 SECTION 14: TRANSPORT INFORMATION - CONT. NEXT PAGE

UN3480 Lithium-ion batteries/UN3481 Lithium-ion batteries packed with or contained in equipment; Class 9; PG II. Milwaukee rechargeable Lithium-ion type batteries are "excepted" from full hazardous material regulation based on ELC content and/or Watt-hour (Wh)rating, and compliant packaging per 49 CFR 172.102, Special Provision 188.

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 ...

DO NOT INCINERATE or subject battery cells to temperatures in excess of 212°F (100°C). Section 14: Transportation Information Proper Shipping Description: o UN3480 Lithium ion batteries - For batteries on their own. o UN3481 Lithium ion batteries packed with equipment - For batteries packed with other equipment.

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