

Are lithium ion batteries hazardous?

Hazards Identification 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.

Do batteries need a safety data sheet?

The requirement to publish a Safety Data Sheet applies to all suppliers of substances and preparations. As already defined under the former Directive there is no requirement to develop and maintain a Safety Data Sheet for products such as Batteries.

What solvents are used in lithium ion batteries?

Organic solvents including one or more of the following: ethylene carbonate, diethylcarbonate, dimethylcarbonate, ethylmethylcarbonate, and propylene carbonate. As manufactured, Li-ion cells do not contain lithium metal. 4. First-Aid Measures Batteries do not present a health hazard under normal use and handling.

What are sealed lithium-ion batteries?

In Seafreight, sealed Lithium-ion batteries are considered as "Lithium-ion Batteries-Not Restricted", when they meet the requirements of IMDG of IMO Dangerous Goods Regulations (UN3480 and UN3481).

Are lithium ion batteries considered 'exposed batteries' in airfreight?

3. In airfreight, small Lithium-ion batteries (cells < 20WH or packs > 100WH) are considered as "Expected Lithium-ion Batteries", when they meet the requirements of Ed. 63 of IATA regulations (UN3480) and ICAO Packing Instruction 965 section II, specifying less than 10kg gross per package.

Are Energizer Lithium ion batteries safe?

Eye Contact: Contents of an open battery can cause severe irritation. The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful. All Energizer Lithium Ion batteries have zero added mercury. Ingestion: Do not induce vomiting or give food or drink.



??>>Lithium-ion batteries are not subject to dangerous goods regulation for the purpose of transportation by the International Maritime Dangerous Goods regulations (IMDG). For Lithium-ion batteries, the Watt -hour rating is no more than 20Wh/cell and 100Wh/battery pack can be treated as "non-dangerous goods" by the United Nations.



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 "Non-dangerous goods"



This SDS should be retained and available for employees and other users of this product. 1.1 Product identifier Substance name : INR18650-35E
Synonyms : Lithium-ion Cell, Lithium-ion Pack, Lithium-ion Battery, Li-Ion Cell, Li-Ion Pack, Li-Ion Battery 1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant



LITHIUM ION BATTERY PACK BMP21 -PLUS
BATTSDS Version 5 ??? March 22, 2019 14, are the most current as of the date of revision of this SDS; specific version references are given in this section. This product has been classified in accordance with the hazard criteria of U.S. OSHA, Canadian WHMIS 2015 [HPR-GHS], European Union REACH and CLP



Lithium-ion Battery Ref. No. PLI-PSDS-2014-001
Effective Date: July 1, 2018 This product is a consumer product which is used in a hermetically sealed state. So, it is not an object of the SDS system. This document is provided to customers as reference information for ???



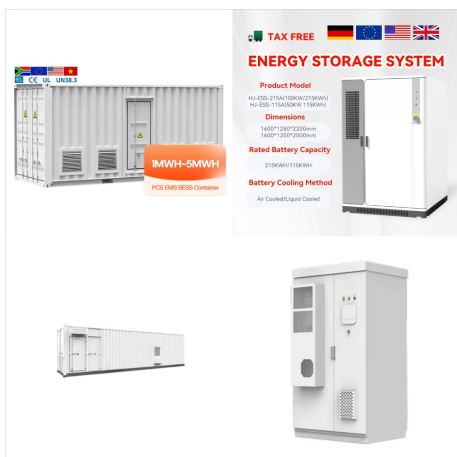
Deka Duration Lithium Ion Battery SDS US 959555
Version #: 03 Revision date: 02-March-2022 Issue date: 22-September-2021 3 / 10. US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)
Components Type Value Form 15 mg/m3 Total dust. Lithium PEL 2.5 mg/m3 hexafluorophosphate (1-)



Lithium-Ion Rechargeable Battery Pack BL1850 / BL1850B Complies with the OSHA Hazard Safety Data Sheet Communication Standard: SDS. Since this document contains the precautions for safe handling related to its materials or chemical substances consisting of this product, please note that this overall information is irrelevant to this product



Lithium Ion Batteries (C)2022 Energizer ARTICLE INFORMATION SHEET/SAFETY DATA SHEET (AIS/SDS) Lithium Ion Battery This Article Information Sheet (AIS) provides relevant battery information to retailers, consumers, OEMs and other users requesting a GHS-compliant SDS. Articles, such as batteries, are exempt from GHS SDS classification criteria.



5. In Seafreight, sealed Lithium-ion batteries are considered as "Lithium-ion Batteries-Not Restricted", when they meet the requirements of IMDG of IMO Dangerous Goods Regulations (UN3480 and UN3481). 6. The transport of rechargeable lithium-ion batteries is regulated by various bodies, refer to: IATA, IMO, ADR/RID.



the requirements to publish MSDS sheets per the Code of Federal Regulations 29 CFR 1910.1200 (b)(6)(v). The hazards indicated below cover the abnormal situation where a battery ruptures. Acute Toxicity ??? Oral Category 4 Product Name: Lithium-Ion Battery Packs (less than or equal to 100 Watt Hours)



Material Safety Data Sheets (MSDS) are a sub-requirement of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR Subpart 1910.1200. This Hazard Lithium ion batteries have a gas-tight seal and not hazardous when used and handled in accordance with the manufacturer's specifications. 3. COMPOSITION



-0002 SDS Discover Lithium Battery LiFePO 4 Safety Data Sheet REV G. Composition for Li-ion Cell (Model: 2770180E_30Ah_LFP) used inside product. Lithium-ion batteries contain flammable liquid electrolyte that may vent, ignite and produce sparks when subjected to high temperatures, when damaged or abused.



Product name: Lithium ion rechargeable battery cell
 Reference number: SDS-IBT-00026 Establishment /
 Revision: Aug. 1, 2013 1/5 Safety data sheet for
 product 1. 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



Product Name: Lithium Ion Battery Cell Revision
 Sate: Dec 23rd 2021 SAFETY DATA SHEET
 According to Regulation (EC) No. 1907/2006 Page
 1 of 9 Section 1: Identification of the
 Substance/Preparation and of the
 Company/Undertaking Product Name: Lithium Ion
 Battery Cells . Product Codes: ANR26650M1B
 APR18650M1B Product Use: Cells and cell packs



Lithium Ion Batteries (C)2022 Energizer . SECTION
 1 - Identification SECTION 2 ??? Hazards
 Identification . ARTICLE INFORMATION
 SHEET/SAFETY DATA SHEET (AIS/SDS) Lithium
 Ion Battery . This Article Information Sheet (AIS)
 provides relevant battery information to retailers,
 consumers, OEMs and other users requesting a
 GHS-compliant SDS.



U.S. Battery Mfg. Co. SDS Lithium-Ion Batteries
 Safety Data Sheet . Lithium I ron Phosphate
 Rechargeable Battery . Section 1 ??? Identification .
 Product Identifier: Lithium Iron Phosphate
 Rechargeable Battery Other Identifiers: Essential
 Lithium-Ion ???



SAFETY DATA SHEET (SDS) relionbattery
 +1.803.547.7288 844.385.9840 9868 Harrisburg
 Road Fort Mill, SC 29707, US Lithium Iron
 Phosphate Battery LiFePO4) Product Use: Electric
 Storage Battery Distributed By: RELiON Battery,
 LLC Lithium ion batteries contain



SAFETY DATA SHEET (SDS) LITHIUM-ION
 (Li-ION) BATTERIES The information and
 recommendations below are believed to be accurate
 at the date of document preparation. Ascent Battery
 Supply makes no warranty or merchantability or any
 other warranty, express or implied, with respect
 Ascent Li-Ion Batteries SDS Author: Christopherson
 Created Date



Lithium Ion batteries are considered to be "Rechargeable batteries" and meet the requirements of transportation by the U.S. Department of Transportation(DOT), the International Civil Aviation Administration(ICAO), the International Maritime Dangerous Goods (IMDG) Code. Even classified as lithium ion batteries (UN3480), 2015 IATA Dangerous Goods



Lithium-ion and Lithium-ion Polymer Batteries (Li-ion Batteries) Version #: 02 Revision date: - Issue date: 31-January-2022 SDS Australia 1 / 10 1. Identification Product identifier Other means of identification SAFETY DATA SHEET Lithium-ion and Lithium-ion Polymer Batteries (Li-ion Batteries) None. Issue date: 31-January-2022 Revision date: -



Lithium-ion and Lithium-ion Polymer Batteries (Li-ion Batteries) Revision date: 218-Jun-2023 Issue date: 18-Jun-2023 SDS Australia / 1 Supplemental information None. 3. Composition / information on ingredients Mixture Identity of chemical ingredients CAS number and other unique identifiers Concentration of ingredients %



For the single cell batteries and multicell battery packs that are non-restricted to transport (non-assigned to the Miscellaneous Class 9), use lithium batteries inside label. For the single cell batteries and multicell battery packs which are restricted to transport (assigned to Class 9), use Class 9 Miscellaneous Dangerous Goods



This SDS should be retained and available for employees and other users of this product. Commercial product name INR21700-50E Use of the substance/preparation Lithium-ion batteries Synonyms Lithium-ion Cell, Lithium-ion Pack, Lithium-ion Battery, Li-Ion Cell, Li-Ion Pack, Li-Ion Battery Manufacturer SAMSUNG SDI Co., Ltd.



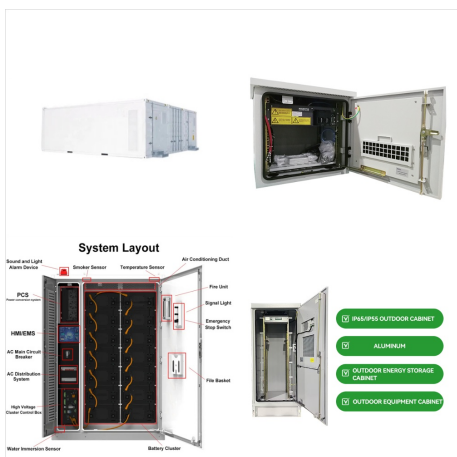
Product identifier Lithium Ion Battery (Lithium Iron Phosphate, LiFePO_4) Other means of identification Synonyms Li ion Battery, Lithium Ion Battery (Lithium Iron Phosphate, LiFePO_4) SDS US 960484 Version #: 01 Revision date: - Issue date: 09-December-2021 1 / 10.



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 Li-ion Rev. 3 June 2005. 3. Hazards Identification Do not short circuit, puncture, incinerate, crush, immerse, force discharge or expose to temperatures above the declared operating temperature range of the product. Risk of fire or explosion. The rechargeable lithium-ion batteries described in this Product Safety



Lithium-ion Battery SDS US 958818 Version #: 02
Revision date: 05-April-2022 Issue date:
03-August-2021 2 / 10. In the event of fire and/or explosion do not breathe fumes. Fight fire from protected location or safe distance. Keep upwind. Move containers from fire ???



For use as a battery-based power supply only. Do not rupture or expose solution inside of the power cells. High Power Lithium Ion Battery, Phosphate-Based Lithium Werks BV P.O. Box 545, 7500 AM Enschede The Netherlands +31 85 74 31 400 ChemTel: (888) 533-7762 (USA/Canada/Puerto Rico/Virgin Islands) ChemTel: +01 (813) 248-0585 (International)