

Are there safety data sheets for Samsung lithium-ion batteries?

Customers are asking for the Safety Data Sheets for the Samsung Lithium-Ion Batteries used in the Samsung and Galaxy Battery Solutions. Battery Part Numbers are used in Samsung and Galaxy li-ion battery cabinets. The above listed battery modules (both A & B Types) are used in the following battery cabinets.

Do lithium batteries need a safety data sheet?

Products that contain lithium-ion batteries abide by consumer safety laws but generally do not consider Safety Data Sheets(SDS). Many companies offer SDS services only on request to provide SDS for Li-Ion batteries. In this post,let us see why lithium batteries require a safety data sheet (SDS).

Are lithium-ion batteries SDS exempt?

The majority of lithium-ion battery Safety Data Sheets state that the product is an "Article" and exempt from SDS requirements per 29 CFR 1910.1200 (b) (6) (v). The "Article" exemption only applies to products used in the workplace.

What are lithium-sulfur dioxide batteries?

Lithium-Sulfur Dioxide batteries have a metallic lithium anode (the lightest of all the metals) and a liquid cathode comprising a porous carbon current collector filled with a sulfur dioxide (SO₂) solution. They deliver a voltage of 2.9 V and are cylindrical in shape, in A, C and D size.

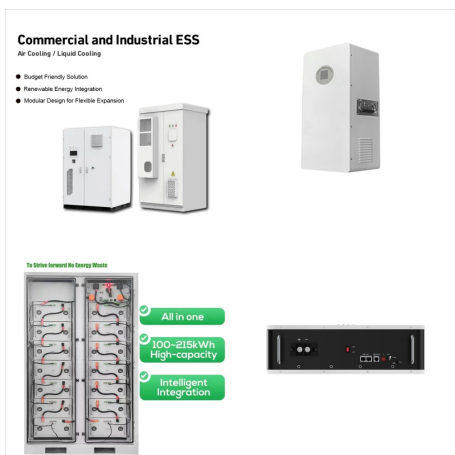
Are lithium sulfur dioxide batteries hazardous waste?

Managing Lithium Sulfur Dioxide Batteries BACKGROUND: A number of used or unserviceable batteries meet the characteristic of reactivity under 40 CFR 261.23 and must be managed as hazardous waste(HW) or universal waste (UW). The Department of Defense (DOD) uses lithium sulfur dioxide (Li-SO₂) batteries in a variety of communications equipment.

Can you use water spray to fire a lithium battery?

Use of water spray when fighting a lithium fire may be inefficient. However, copious amounts of water may be used to cool a battery fire and extinguish any surrounding combustible fires. The electrolyte will release toxic sulfur dioxide gas. Explosion data Sensitivity to mechanical impact None. None.

LITHIUM SULFUR DIOXIDE BATTERY SDS



SDS No. T-36-06 (Rev G) Lithium Battery
Information Sheet Section 1: Identification Products
Name: Primary (non-rechargeable) Lithium metal
Thionyl Chloride (Li/SOCl₂) cells and batteries.
Cells include the models of SL, 3.6V series. and
sulfur dioxide (SO₂) can be formed.

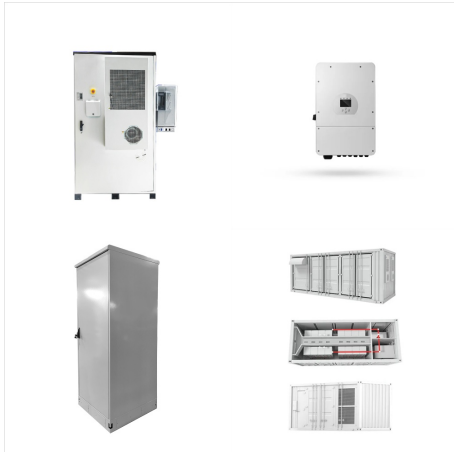


PRODUCT NAME: Lithium Manganese Dioxide
SDS NUMBER: LMD1 REVISION NUMBER: 2
DATE OF PREPARATION/REVISION: February 1,
2018 Section 2: HAZARDS IDENTIFICATION
Lithium Manganese Dioxide batteries are not
classified as dangerous goods by the US
Department of



During a fire with lithium batteries, using large
amounts of cold water or water-based foam has
some cooling Sulfur Dioxide 1 ppm 1 ppm -
Hydrogen chloride 1 ppm 5 ppm - 9. PHYSICAL
AND CHEMICAL PROPERTIES The lithium-thionyl
chloride cell or battery described by this Safety Data
Sheet is a sealed unit when offered for sale. It is a

LITHIUM SULFUR DIOXIDE BATTERY SDS



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 Burning lithium ion batteries produce toxic and corrosive lithium hydroxide fumes and sulfur dioxide gas.



Article Information Sheet/Safety Data Sheet Page 1 of 6 Lithium Ion Batteries In case of fire where lithium batteries are present, flood area with water or smother with a Class D fire extinguishant appropriate for lithium metal, Burning lithium ion batteries produce toxic and corrosive lithium hydroxide fumes and sulfur dioxide gas.



MSDS Li-SO₂ Rev. 7 ??? February 2011
Material/Product Safety Data Sheet (MSDS-PSDS)
LO/G products Revision 7 Date 02/2011 Lithium /Sulfur (Sulphur) dioxide single cells and multi-cell battery packs 1. Identification of the Substance or Preparation and Company Product Lithium/Sulfur (Sulphur) dioxide unit cells and multi-cell battery packs (Li-SO₂)

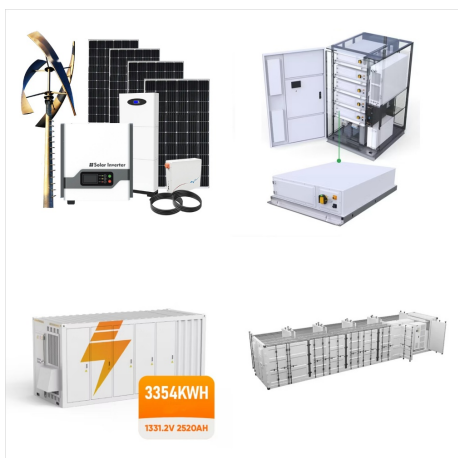
LITHIUM SULFUR DIOXIDE BATTERY SDS



Sulfur Dioxide 1 ppm 1 ppm - Hydrogen chloride 1 ppm 5 ppm - 9. PHYSICAL AND CHEMICAL PROPERTIES The lithium-thionyl chloride cell or battery described by this Battery Information Sheet is a sealed unit when offered for sale. It is a manufactured "article" and does not expose the user to hazardous chemicals when used



The lithium sulfur dioxide battery is a new primary battery system with many advantages over conventional batteries. It has an energy density up to 330 W h/kg (150 W h/lb.), two to four times greater than zinc batteries, and can perform to temperatures as low as -54 °C (-65 °F). The battery can withstand high temperature storage 71 °C



Safety Data Sheet 1. Identification of Product and Company Hydrochloric acid (HCl) and Sulfur dioxide (SO₂) * Electrolyte (Lithium tetrachloroaluminate, LiAlCl₄) with water: Hydrochloric acid (HCl) fumes, Lithium oxide (Li₂O), Lithium hydroxide (LiOH) and Small Size Battery: Lithium Contents (over 8 cells) Cells 1g/ Batteries 2g (CLE-03)

LITHIUM SULFUR DIOXIDE BATTERY SDS



SAFETY DATA SHEET Issuing Date 06-Jan
Product identifier Product Name LITHIUM CSC &
PMX CELLS AND BATTERIES Other means of
identification UN/ID no UN3090 (if packed in or with
equipment use UN3091) Hazardous decomposition
products Lithium oxides. Sulfur dioxide. Hydrogen
chloride. Bromine. Chlorine. 11. Toxicological
information



battery, non rechargeable chemistry: lithium, sulfur
dioxide ba-5590b/u pin m32271/1-22c all first article
testing data; plans, reports, and deliverable dates
are referenced i/a/w sqap014389450. u/i package
"pg" contains 4 batteries shelf life: type 2, 60
months rs062: shelf life requirement rs001 for a type
2 (code 9) item with a shelf life of



IMPORTANT NOTICE: Lithium-Sulfur dioxide
batteries are not rechargeable and should not be
charged or recharged. Manufacturer's
recommendations should be followed regarding
maximum current and operating temperature range.
Applying pressure or deforming the battery may
lead ???

LITHIUM SULFUR DIOXIDE BATTERY SDS



CONTENT: The SDS as furnished by Saft America, Inc. for Lithium Sulfur Dioxide Battery used for Battery Pack Assembly, Lithium Sulfur Dioxide, C420 PAPR is attached (7 Pages Total). Saft America, Inc. SDS Revision Date: November 2012 ??? Version 1.1 3. Disclaimer This document is not a Safety Data Sheet as defined by 29 CFR 1910.1200.



The BA5567A/U Battery You Are Looking For Is In Stock Now. We're Searching - give us just a second. Contact | About Us | Customer Login | FAQ | Shipping Info | Blog | Lithium Sulfur Dioxide. Output: 3.0 Volts, 1000 mAh. Dimension: 1.03 x 0.7 x 1.03 inches. Weight: 0.05 pounds. Shipping Weight Class: Medium.



? Trade name: Emergency Locator Transmitter (ELT) battery pack containing lithium Sulfur Dioxide Cells ? Article number: 452-6504 ? 1.2 Relevant identified uses of the substance or mixture and uses advised against No further relevant information available. ? Application of the substance / the preparation Lithium-based battery product.

LITHIUM SULFUR DIOXIDE BATTERY SDS



BA5590-B/U ??? Lithium Sulfur Dioxide 24 V
Battery Non-Rechargeable (Primary) from Saft.
Pricing and Availability on millions of electronic
components from Digi-Key Electronics. Lithium
Sulfur Dioxide. Battery Cell Size-Voltage - Rated. 24
V. Capacity. 15Ah, 7.5Ah. Size / Dimension.



Saft Lithium Sulfur Dioxide Primary Batteries Saft
BA5590B/U Lithium Sulfur Dioxide Primary Batteries
44919 Volt / with Cartridge Terminals and ABS
Plastic Case. Saft BA5590B/U Lithium Sulfur
Dioxide Primary Batteries 44919 Volt / with
Cartridge Terminals and ABS Plastic Case (817)
439-6190 (817) 439-6190. CA. CA. TX. TX. FL. FL.

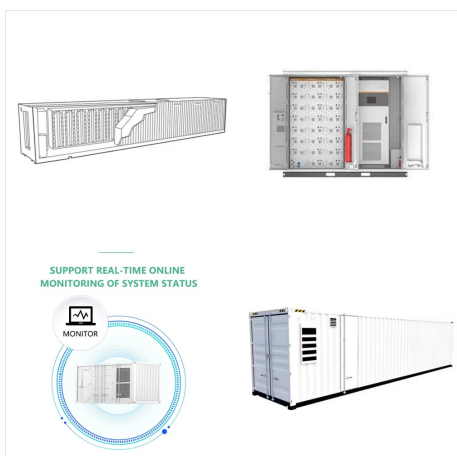


Saft BA-5590 B/U, 12 / 24 Volt Primary Lithium
Battery - Saft # 37261024. Toggle menu. Welcome
to StorTronics(R)! StorTronics(R) 24581 Crestview
Court Farmington Hills, MI 48335 (248) 912-1200;
Lithium Sulfur Dioxide (LiSO₂) Voltage: 12 / 24
Volts: Capacity: 15Ah (12V Mode) / 7.5Ah (24V
Mode) mAh: Contacts: Mating Connector (IT
Cannon CA

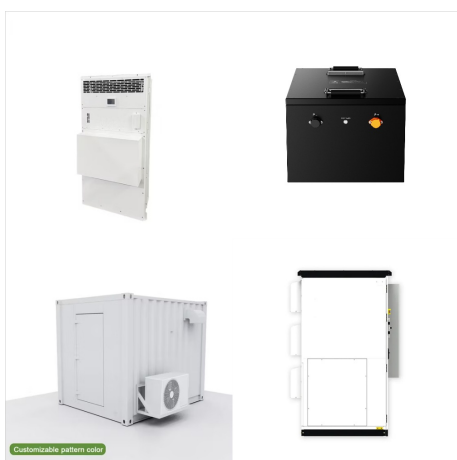
LITHIUM SULFUR DIOXIDE BATTERY SDS



MSDS Li-SO 2 Rev. 3 June 2005 Material/Product
Safety Data Sheet (MSDS-PSDS) LO/G products
Lithium /Sulfur (Sulphur) dioxide single cells and
multi-cell battery packs Simplified Advice Code
Revision 3 Date 06/05 G 1. Identification of the ???



Article Information Sheet/Safety Data Sheet
SECTION 7 - HANDLING AND STORAGE Storage:
Store in a cool, well ventilated area. Elevated
temperatures can result in shortened battery life. In
locations that handle large quantities of lithium
batteries, such as warehouses, lithium batteries
should be isolated from unnecessary combustibles.



Saft BA-5590 B/U, 12 / 24 Volt Primary Lithium
Battery - Saft # 37261024. Toggle menu. Welcome
to StorTronics(R)! StorTronics(R) 24581 Crestview
Court Farmington Hills, MI 48335 (248) 912-1200;
Lithium Sulfur Dioxide (LiSO₂) ???

LITHIUM SULFUR DIOXIDE BATTERY SDS



A Safety Data Sheet (SDS) has not been prepared for these product(s) because they are articles.
SULFUR DIOXIDE 7446-09-5 0 - 30 Trade Secret *
LITHIUM 7439-93-2 0 - 3 Trade Secret * LITHIUM BROMIDE 7550-35-8 2 - 2.5 Trade Secret * *The specific chemical identity and/or exact percentage (concentration) of this composition has been



Product ID:LITHIUM SULFUR DIOXIDE BATTERY
MSDS Date:11/15/1993 FSC:6135
NIIN:01-090-5365 MSDS Number: BYDKF.
Responsible Party. SAFT AMERICA INC
ADVANCED BATTERY SYSTEMS DIVISION
LOVELADY LN VALDESE, NC 28690 US.
Emergency Phone: 704-874-4111/MD
410-771-3200.



Lithium Bromide 7550-35-8 231-439-8 2.0-2.5
Carbon 1333-86-4 215-609-9 6.5-7 Mild Steel,
Nickel, Aluminium, and inert material N/A N/A
remainder * Quantities may vary with cell model 4.
HANDLING AND STORAGE IMPORTANT
NOTICE: Lithium-Sulfur dioxide batteries are not
rechargeable and should not be charged or
recharged.

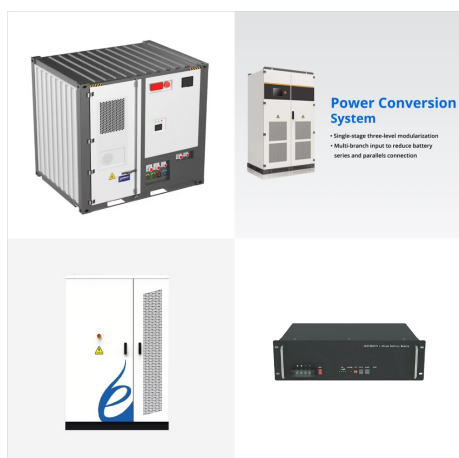
LITHIUM SULFUR DIOXIDE BATTERY SDS



Sulfur Dioxide 8 hour TWA 1 ppm 9. PHYSICAL AND CHEMICAL PROPERTIES The lithium-sulfur dioxide cell or battery described by this Safety Data Sheet is a sealed unit when offered for sale. It is a manufactured "article" and does not expose the user to hazardous chemicals when used in accordance with manufacturer specifications.



to generate and supply an SDS or an MSDS. This Battery Information Sheet is provided solely as information document for the purpose of assisting our customers. 1. IDENTIFICATION 1.1 Product Lithium sulphur dioxide primary unit cells and multi-cell battery systems composed of these cells 1.2 Supplier Headquarters Address Phone/Fax Saft S.A.S.



Shedding new light on conventional batteries sometimes inspires a chemistry adoptable for rechargeable batteries. Recently, the primary lithium-sulfur dioxide battery, which offers a high energy

LITHIUM SULFUR DIOXIDE BATTERY SDS



Material/Product Safety Data Sheet (MSDS-PSDS)
Sulfur dioxide Hydrogen chloride 8hr TWA 1 ppm 1
ppm 15min TWA 1 ppm 5 ppm SK - - Respiratory -
Lithium Metal Batteries in compliance with Section
IA of PI968 or PI970. Risk phrases . Lithium (Li)
R14/15 R21 R22 R35



The lithium/sulfur dioxide battery is a high-energy
system capable of delivering 320 Wh/kg (520
Wh/liter). The active cathode material is a gas, SO₂,
which is present at a pressure of ~30 psi at room
temperature. All cells, therefore, contain a vent
mechanism in the