

# Lithium thionyl chloride battery disposal

Can lithium ion batteries be recycled?

Lithium-ion batteries and devices containing these batteries should NOT go in household garbage or recycling bins. Lithium-ion batteries SHOULD be taken to separate recycling or household hazardous waste collection points. To prevent fires, tape battery terminals and/or place lithium-ion batteries in separate plastic bags.

What is lithium thionyl chloride battery recycling?

Battery Recyclers of America guarantees that you will be using the best recycling programs to date, and utilizing EPA-approved facilities. Lithium thionyl chloride batteries are a variant of lithium batteries that are commonly found in devices that only need low amounts of power.

What are the laws surrounding proper battery recycling and disposal?

It is important to be aware of the laws surrounding proper battery recycling and disposal. The "Battery Act" (The Mercury-Containing and Rechargeable Battery Management Act of 1996) is a federal law that states that batteries such as lithium thionyl chloride batteries must be recycled for reuse.

How long do lithium thionyl chloride batteries last?

However, due to their long lifetime, this characteristic is of little importance in everyday use. In fact, lithium thionyl chloride batteries supply power to applications for several months or even years before they need to be replaced. Li/SOCl<sub>2</sub> batteries have been an integral part of Jauch's battery portfolio for many years.

What are the advantages of lithium thionyl chloride batteries?

The cells in lithium thionyl chloride batteries have the highest energy density of any form of lithium battery. They also produce limited emissions under abusive conditions, which is an advantage over other battery chemistries that use liquid to produce a gas by-product.

Where should lithium batteries be disposed of?

Do not place the waste lithium batteries in the household trash or in curbside recycling bins. Instead, EPA recommends that all household lithium batteries be dropped off at battery collection sites (e.g., often located at electronics retailers) or household hazardous waste collection facilities for proper management.

OmniCel Batteries 300 Schell Lane, Suite 301, Phoenixville, PA 19460 U.S.A. Tel 610.676.0591 Fax 610.676.0436 page 5 SECTION 15 - Regulatory Information OSHA Status: The internal component (thionyl chloride) is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1920.1200. Because all cells and batteries are defined as ...

For disposal of residues refer to section 13 : Disposal considerations. Lithium Thionyl Chloride Battery Safety Data Sheet 1 January 2024 EN (English) 3/7 SECTION 7: Handling and storage 7.1. Precautions for safe handling Additional hazards when processed : Keep away from any possible contact with water, because of

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violent reaction and possible ...

Thionyl Chloride Lithium Battery Date: Jan. 2009 Material Safety Data Sheet (Originated from OSHA Hazard Communication Standard, 29CFR1910.1200) 1. Product Identification ... - Other: All lithium thionyl chloride batteries should be disposed of by a proper disposal facility. 14. Transportation Regulation

The Lithium Thionyl chloride batteries described in this Battery Information Sheet are hermetically sealed units, which are not hazardous when used according to the recommendations of the manufacturer. ... Battery recycling should be done in authorized facility. M t T-36-06, SOCl<sub>2</sub>\_SL\_general, Rev G th 6/6 Revised-February 4, 2018 ...

This collaboration combines Celcycle"s specialised expertise in lithium thionyl chloride battery recycling with CL Refurbishments Ltd."s proficiency in utility meter recycling, establishing a comprehensive and environmentally conscious solution for the responsible disposal of these essential components. By working together, Celcycle and ...

Lithium Thionyl Chloride batteries are a type of p rimary lithium metal battery manufactured predominantly in a cylindrical format. Available in both bobbin and spirally wound constructions, bobbin type constructions are used mainly in low rate applications whereas spirally wound cells are designed for higher rate applications, up to 2 A. . Our team of experts is available to ...

Lithium Battery Information Sheet Section 1: Identification Products Name: Primary (non-rechargeable) Lithium metal Thionyl Chloride (Li/SOCl<sub>2</sub>) cells and batteries. Cells include the models of TL, TLH, and TLL, 3.6V series. This Battery Information Sheet covers the the above models: 2100, 2134, 2135, 2137, 2150,

These two industry leaders recognised the pressing need for a sustainable solution for end-of-life lithium thionyl chloride batteries, both of which are integral components in nearly all electric and gas meters worldwide. ... and CL Refurbishments are pioneering eco-friendly recycling processes that prioritise the responsible handling and ...

In this guide, we will highlight the importance of safe battery disposal and the risks associated with improper lithium battery disposal. Additionally, we will discuss the benefits of recycling lithium batteries and provide you with step-by-step ...

Lithium thionyl chloride battery MSDS is a key component to properly handling the product. It contains a description of all relevant safety measures. All You Need To Know About Lithium Thionyl Chloride Battery MSDS. The lithium thionyl chloride battery is a wet type of battery that has a wide range of applications. It is commonly used in ...

Lithium thionyl chloride batteries are designed for use in a temperature range between -60 and +85 degrees Celsius. Particularly noteworthy is the performance of the cells at low temperatures. ... The proper disposal of

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lithium thionyl chloride batteries is regulated by national legislation. Please follow the regulations valid in your country.

Lithium/Thionyl Chloride Battery Manufacturer Excell Battery Corporation Product code Revision date 2021 March 04 Language English. Lithium/Thionyl Chloride Battery Manufacturer Excell Battery Corporation Product code Revision date 2015 February 02 Language English. Compliance Solutions

Lithium-Thionyl Chloride (Li-SOCl<sub>2</sub>) Battery 1/6 Document Number: RD-ER-202001-001 Issued date: 1 January 2021 ... Risk of explosion by fire is anticipated if batteries are disposed of in fire or heated above 100 degree Celsius. Stacking or jumbling of batteries may cause external short circuits, heat generation, in some case, allowing fire or ...

Environmentally Friendly Recycling: Celcycle and CL Refurbishments are pioneering eco-friendly recycling processes that prioritise the responsible handling and recycling of lithium thionyl chloride batteries, effectively reducing waste and the carbon footprint. Closing the Loop: By establishing a closed-loop system, the partnership ensures that these critical battery components are safely ...

High Temperature Lithium Thionyl Chloride Batteries. High Temperature Lithium Sulfuryl Chloride Batteries. Request a Quote. An exceptional record of quality and service for 35+ years. News & Articles New EU Rules Revamp Battery Safety, Recycling, and More (EU Regulation 2023/1542) Downhole Battery Data Analysis with Criterion 4

- Page 7/7 - MSDS Li-SOCl<sub>2</sub> UN Number: 3090 Lithium batteries 3091 Lithium batteries contained in equipment or Lithium batteries packed with equipment Packing group: II Other regulation and guideline ADR, RID 188, 230, 310, P903 IATA A88, A99, A154, A164 IMDG code 188, 230, 310, P903

Product Name Primary (non-rechargeable) Lithium metal Thionyl Chloride (Li/SOCl<sub>2</sub>) cells and batteries, Non-rechargeable. Common Synonyms Primary (non-rechargeable) Lithium metal Thionyl Chloride (Li/SOCl<sub>2</sub>) cells and batteries, Non-rechargeable. ... Do not dispose of battery in fire and recharge battery-may explode. Do not short-circuit battery ...

There is no long lasting contamination as a result of disposal of Lithium/Thionyl Chloride cells. There are only hazards associated with the neutralization and disposal processes. Once neutralized, the end products of deactivated batteries are not toxic. Tadiran Lithium/Thionyl Chloride cells do not contain malicious or hardly decomposable

Primary lithium battery LS 17500 3.6 V Primary lithium-thionyl chloride (Li-SOCl<sub>2</sub>) High energy density A-size bobbin cell Benefits o High and stable operating voltage o Low self-discharge rate (less than 1% after 1 year of storage at +20°C) o Wide operating temperature range (-60/+85°C) o Easy integration in compact system ...



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The Lithium-Thionyl Chloride batteries described in this Material Safety Data Sheet are sealed units which are not hazardous when used according to the recommendations of the manufacturer. ... MSDS Page 3 LITHIUM/THIONYL CHLORIDE (Li-SOCl<sub>2</sub>) NON-RECHARGEABLE BATTERY Version 10 Date: Jan 1st, 2021 4. First Aid Measures

1) Lithium Thionyl Chloride batteries do not have environmental hazard under normal usage and proper disposal. 2) Lithium Thionyl Chloride batteries do not contain mercury, cadmium or other heavy metals. 1104, Choongang Royal Office, 13, Seoun-ro, Seocho-gu, Seoul, Korea, 06732 T: +82-2-588-4008

1) Lithium Thionyl Chloride batteries do not have environmental hazard under normal usage and proper disposal. 2) Lithium Thionyl Chloride batteries do not contain mercury, cadmium or other heavy metals. 13. Disposal 1) Dispose under the regulation in each country. 2) Dispose by incineration or burial at permitted waste treatment and disposal sites

The lithium Thionyl chloride batteries described in this MSDS are hermetically sealed units, which are not hazardous when used according to the recommendations of the manufacturer. Under normal condition of use of the batteries, the electrode materials and the liquid electrolyte they contained are non-reactive provided the battery integrity is

Lithium/Thionyl Chloride Batteries Manufacturer Excell Battery Corporation Product code Revision date 2009 February 03 Language English. Lithium/Thionyl Chloride Batteries Manufacturer Excell Battery Corporation Product code Revision date 2008 July 11 Language English. Compliance Solutions

material tight in plastic bag, and dispose of as hazardous waste in accordance with local regulations. Electrolyte traces may be wiped off dryly using household paper. Rinse with water afterwards. 7. HANDLING AND STORAGE IMPORTANT NOTICE: Lithium-thionyl chloride batteries are not rechargeable and should not be tentatively charged or recharged ...

Web: <https://www.wholesalesolar.co.za>