

Maxrun Batteries

材料安全资料表 Material Safety Data Sheet

| 1 化学品及企业标示(Chemical Product and Company Identification) | | |
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| 产品名称 Product Name | 锂-二氧化锰扣式电池 Lithium manganese dioxide coin battery | |
| 制造商名称 Manufacturers Name | 上海顶驰能源科技有限公司 Shanghai Maxrun Energy Technology Co. Ltd. | |
| 地址 Address | 上海市普陀区交暨路 185 号 NO.185 Jiaoji Road ,Putuo District,Shanghai | |
| 紧急联络电话 Emergency Number | 86-21-36538163 | |
| 传真 Fax | 86-21-36539793 | |
| 2 成分/组成信息(Composition/Information on Ingredients) | | |
| 危险性组成: Hazardous Compone | | |
| 名称 Description | 物质成分 Material composition | 质量百分比 Mass percent |
| 正极 Cathode | 二氧化锰 Manganese dioxide | 36.6% |
| 负极 Anode | 锂 Lithium | 1.9% |
| 隔膜纸 Septum | 玻璃纤维 Glass fiber | 0.5% |
| 电解液 Electrolyte | PC+DME+LiClO ₄ | 8.3% |
| 电池外壳 Battery sheel | 430 不锈钢 430 stainless steel | 48.8% |
| 密封圈 Gasket | 聚丙烯 Polypropylene | 3.9% |
| 3 危险性概述(Haxards Summarizing) | | |
| 锂 Lithium | 与水接触剧烈反应,易燃烧。只能用苏打粉,沙子等灭火。 It reacts violently when in contact with water,and it is flammable.Use only soda ash or sand to extinguish flame | |
| 二氧化锰 Manganese dioxide | 强氧化剂,具腐蚀性,摄入有毒。可用 CO ₂ 灭火。 A toxic material also an corrosive and an oxidising agent.Use only CO ₂ or halon to extinguish flame。 | |
| 碳酸丙烯酯 Propylene carbonate | 可腐蚀眼睛和皮肤。可用 CO ₂ 灭火。 Will irritate the eyes and the skin by absorption,harmful if ingested or inhaled.Use only CO ₂ or halon to extinguish flame. | |
| 乙二醇二甲醚 1,2 Dimethoxyethane | 极易燃。吸入和摄入有害。可用 CO ₂ 灭火。 Highly flammable. Harmful if ingested or inhaled. Use only CO ₂ or halon to extinguish flame. | |

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| 其他组分不活泼,或者危害较小。 Other materials are either inert or have low hazard associated with their exposure. |
| 4 急救措施(First-aid Measures) |
| <p>眼睛：用水清洗，立即就医。 Eyes:irrigate thoroughly with water.Obtain medical attention.</p> <p>皮肤：用水彻底冲洗，脱掉受污染的衣物并清洗，除非少量接触，否则就医。 Skin:drench the skin thoroughly with water.Remove contaminated clothing and wash before re-use.Unless contact has been slight,obtain medical attention.</p> <p>吸入：离开污染场所，休息并保暖，严重时就医。 Inhalation:remove from exposure,rest and keep warm.In severe cases,obtain medical attention.</p> <p>食入：用水彻底冲洗口部后大量饮水，就医。 Ingestion:wash out mouth thoroughly with water and give plenty of water to drink.Obtain medical attention.</p> |
| 5 消防措施(Fire-fighting Measures) |
| <p>大量电池燃烧，可能发生爆炸。及时的灭火介质为 CO₂ 干粉灭火器和沙子。不可用水灭火。消防人员应配戴空气呼吸器，防护头盔，眼镜等。</p> <p>There would be explosion in the case where significant quantities of lithium-manganese dioxide batteries have been involved in a fire. Applicable extinguishing media: CO₂ fire extinguisher , ABC dry powder extinguisher , sand ,etc.Do not use water as extinguishing agent. Firemen should wear the air breathe machine, helmet, glasses ,etc.</p> |
| 6 泄漏应急处理(Accidental Release Measures) |
| <p>不可呼吸泄漏液蒸汽或用手接触液体。若皮肤及接触电解质，立即用大量水清洗。用泥土和沙子吸收泄漏液。将漏液电池和沙子按特殊废弃物处理。</p> <p>Do not breath vapours or touch liquid with bare hands.If the skin has come into contact with the electrolyte it should be washed thoroughly with water.Earth or sand should be used to absorb the exudation.Seal leaking battery and earth in a heavy-duty Polythene bag and dispose of as special waste.</p> |
| 7 操作处置与储存(Handling and Storage) |
| <p>保证电池包装完整，避免短路。</p> <p>Pack the batteries well,and avoid short circuit.</p> <p>不要拆卸电池</p> <p>Never disassemble batteries.</p> <p>不要吸入电池蒸汽或用光手接触电池内部物质。</p> <p>Do not breathe cell vapors or touch internal material with bare hands.</p> <p>将电池储存在阴凉通风的地方，避免阳光直射。</p> <p>Store batteries in cool well-ventilated area,keep out of direct sunlight.</p> |
| 8 接触公职/个体防护(Exposure Controls/Personal Protection) |
| <p>外部含镍壳盖的腐蚀可能生成有毒产物。避免吞咽电池，接触后洗手。</p> <p>External corrosion of the nickle can could result in theformation of toxic metal salts.Avoid ingestion,Wash hands after contact.</p> |
| 9 理化特性(Physical and Chemical Properties) |
| <p>外观与性状： 黑色颗粒状物质。</p> <p>相对密度（20℃/4℃）： 1.3～1.5 g/cm³</p> <p>主要用途：用于遥控器、蜡烛灯、电脑主板等小型用电器具。</p> |

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| <p>With the appearance of the characters: black granular material.</p> <p>Relative density (20 °C /4 °C): 1.3 ~ 1.5 g/cm³</p> <p>Application: used for remote control, candle lamp, computer motherboards and other small electrical appliances.</p> | |
| 10 稳定性和反应性(Stability and Reactivity) | |
| <p>有害物质被密封在壳体内，在正常情况下本产品稳定无害。</p> <p>Hazardous materials are housed within a sealed unit, under normal conditions this unit is stable and non-hazardous.</p> <p>若电池密封被破坏，金属锂会与水反应放出可燃气体。</p> <p>Lithium will react with water and produce flammable gas if the seal of battery is damaged</p> | |
| 11 毒理学资料(Toxicological Information) | |
| <p>若电池不损坏，无毒。</p> <p>No toxicity unless the battery is damaged.</p> | |
| 12 生态学资料(Ecological Information) | |
| <p>不适用。</p> <p>Not Applicable.</p> | |
| 13 废弃处置(Disposal) | |
| <p>不要焚烧电池或将电池加热超过 80℃。根据当地法规处理电池。</p> <p>Do not incinerate or subject cells to temperature in excess of 80℃. Dispose of in accordance with local regulations.</p> | |
| 14 法规信息(Regulatory Information) | |
| <p>1. 《化学危险物品安全管理条例》1987-02-17 发布</p> <p>1 "dangerous chemicals safety management regulations" issued by 1987-02-17</p> <p>2. 《常用危险化学品的分类及标志》(GB13690-92)</p> <p>2 "classification and labels of dangerous chemical" (GB13690-92)</p> <p>3. 《常用危险化学品贮存通则》(GB15603-19)</p> <p>3 "common dangerous chemicals storage rules" (GB15603-19)</p> | |
| 15 其他信息(Other Information) | |
| 填表时间 Date of Issue | 2013.01.01 |
| 填表部门 Dept. of Issue | 上海顶驰能源科技有限公司 Shanghai Maxrun Energy Technology Co. Ltd. |
| Document Number | Maxrun-QR-356-25 |
| 备注 Remarks | 以上数据只基于对产品目前状态的了解 The above information is given based on the present state of our knowledge of this product. |