

# MSDS Report

# MSDS 报告

<b>Applicant's name</b> 委托方名称	Woteam New Energy (Guangdong) Co., Ltd. 沃田新能源（广东）有限公司
<b>Applicant's Address</b> 委托方地址	2F, Zhi Rong Park, No.33 Xiang Rong Rd Dalang Town, Dongguan, Guangdong, China 东莞市大朗镇松木山祥荣路 33 号智荣园区 2 楼
<b>Name of Sample</b> 样品名称	Li-ion Battery Pack 锂离子电池组
<b>Model</b> 型号	WT12202-01
<b>Nominal Voltage</b> 标称电压	12.8V
<b>Rated Capacity</b> 额定容量	202Ah 2585.6Wh
<b>Weight</b> 重量	23.00kg
<b>Size 尺寸</b> (L×W×T)	(580x242x132)mm
<b>Prepared By</b> 编制单位	Shenzhen TCT Testing Technology Co., Ltd. 深圳市通测检测技术有限公司 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China 广东省深圳市宝安区福海街道桥头社区稔山工业区振昌胶粘制品厂 2101、2201
<b>Report No.</b> 报告编号	TCT221103M032

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## Material Safety Data Sheet 化学品安全技术说明书

### Section 1- Chemical Product & Company Identification

#### 第一部分 化学品及企业标识

<b>Name of Sample</b> 样品名称	Li-ion Battery Pack 锂离子电池组
<b>Manufacturer's name</b> 制造商名称	Woteam New Energy (Guangdong) Co., Ltd. 沃田新能源（广东）有限公司
<b>Manufacturer's Address</b> 制造商地址	2F, Zhi Rong Park, No.33 Xiang Rong Rd Dalang Town, Dongguan, Guangdong, China 东莞市大朗镇松木山祥荣路 33 号智荣园区 2 楼
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### Section 2- Hazards Identification

#### 第二部分 危险性概述

<b>Classification of Danger</b> 危险性类别	See section 14. 见第十四部分。
<b>Primary Route(s) of Exposure</b> 浸入途径	Eye, skin contact, ingestion. 眼睛，皮肤接触，摄入。
<b>Health Hazard</b> 健康危害	<p>The batteries are not hazardous when used according to the instructions of manufacturer under normal conditions. In case of abuse, there's Hazard of rupture, fire, heat, leakage of internal components, which could cause casualty loss. Abuses including but not limited to the following cases: charged for long time, short circuited, put into fire, whacked with hard object, punctured with acute object, crushed, and broken.</p> <p>正常条件下根据制造商的说明使用电池不会产生危害。使用不当的情况下，有破裂、起火、发烫、内部成分泄漏的危险，并可能造成意外损失。使用不当的行为包括但不限于下列情况：长时间充电、短路、投入火中、硬物撞击、尖物刺破、破碎，和破裂。</p>

**Section 3- Composition/Information on Ingredients**

**第三部分 成分/组成信息**

<i>Chemical Name</i> 化学名称	<i>Concentration or concentration ranges (%)</i> 浓度或浓度范围(%)	<i>CAS Number</i> CAS 号(化学文摘索引登记号)
Lithium Cobalt Oxide 钴酸锂	15-40	12190-79-3
Graphite 石墨	10-30	7782-42-5
Phosphate(1-), hexafluoro-, lithium 六氟磷酸锂	10-30	21324-40-3
Copper 铜	7-13	7440-50-8
Aluminum foil 铝箔	5-10	7429-90-5
Nickel 镍	1-5	7440-02-0

Labeling according to EC directives.

标签根据 EC 指令。

No symbol and Hazard phrase are required.

不需要象形符号和危险短语。

Note: CAS number is Chemical Abstract Service Registry Number.

注意: CAS 号是化学文摘服务注册号码。

N/A=Not apply.

N / A =不适用。

**Section 4- First Aid Measures**

**第四部分 急救措施**

<i>Eye</i> 眼睛	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. 万一接触, 立即用大量的清水冲洗至少 15 分钟, 翻起上下眼睑, 直到化学的残留物消失为止, 迅速就医。
<i>Skin</i> 皮肤	Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid. 万一接触, 用大量水冲洗至少 15 分钟, 同时除去污染的衣物和鞋子, 迅速就医。
<i>Inhalation</i> 吸入	Remove from exposure and move to fresh air immediately. Use oxygen if available. 立即从暴露处移至空气清新处, 如果呼吸困难给予输氧, 立即就医。
<i>Ingestion</i> 食入	Ingesting damaged batteries, do not induce vomiting or give food or drink. Seek medical attention immediately. 食入损坏的电池, 不要催吐且不要再吃下食物或喝饮料, 立刻就医。

**Section 5- Fire Fighting Measures**

**第五部分 消防措施**

<p><b>Characteristics of Hazard</b> 危险特性</p>	<p>Dusts at sufficient concentrations can form explosive mixtures with air. Combustion generates toxic fumes. 高密度粉尘遇空气会形成爆炸性混合物。燃烧生成有毒烟雾。</p>
<p><b>Hazardous Combustion Products</b> 燃烧产生的危险物品</p>	<p>Carbon dioxide. 二氧化碳。</p>
<p><b>Fire-extinguishing Methods and Extinguishing Media</b> 灭火方法及灭火剂</p>	<p>For small fires, use water spray, dry chemical, carbon dioxide or chemical foam. 对于小型火险，可使用水枪，干冰（也就是液态二氧化碳）或化学泡沫。</p>
<p><b>Attention in Fire-extinguishing</b> 灭火注意事项</p>	<p>Wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. 因为压强关系，要穿戴可呼吸式全身防护装备，MSHA/NIOSH（经认证或等效的），以及佩戴全套防护装置。</p>

**Section 6- Accidental Release Measures**

**第六部分 泄露应急处理**

<p><b>Personal Precautions, protective equipment, and emergency procedures</b> 个人预防措施、防护装备和应急程序</p>	<p>In case of rupture. Attention! Corrosive material. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Refer to protective measures listed in Sections 7 and 8. 万一破裂。注意！腐蚀性物质。避免接触皮肤，眼睛或衣服。确保空气流通。根据需要使用个人防护装备。将人员撤离到安全区域。让人们远离溢出/泄漏处和处于逆风。参考第七部分和第八部分中列出的防护措施。</p>
<p><b>Environmental Precautions</b> 环境保护措施</p>	<p>Prevent product from contaminating soil and from entering sewers or waterways. 防止产品污染土壤和进入下水道或水道。</p>
<p><b>Methods and materials for Containment</b> 方法和材料控制</p>	<p>Stop the leak if safe to do so. Contain the spilled liquid with dry sand or earth. Clean up spills immediately. 出于安全，阻止泄漏，可以用干砂或泥土来遏制液体溢出，立即清理溢出物。</p>
<p><b>Methods and materials for cleaning up</b> 清理的方法和材料</p>	<p>Absorb spilled material with an inert absorbent (dry sand or earth). Scoop contaminated absorbent into an acceptable waste container. Collect all contaminated absorbent and dispose of according to directions in Section 13. Scrub the area with detergent and water; collect all contaminated wash</p>