

报告编号 Report No.: ELE2501B00270 Page No.: 1/11

材料安全数据表

Material Safety Data Sheet

委托单位: 深圳市杰可杰科技有限公司

Applicant: Shenzhen JieKejie Technology Co., Ltd

货物名称:

锂离子电池 JKJ 18650 7.4V 2000mAh 14.8Wh

Name Of Goods:

Lithium Ion Battery JKJ 18650 7.4V 2000mAh 14.8Wh

测试机构: 深圳市元素检测有限公司

Testing By: Shenzhen Element Testing Co., Ltd.

测试机构地址: 深圳市龙岗区坪地街道坪西社区龙岭北路 76 号 2 号厂房 401、4 号厂房 101 邮编

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第一部分 化等	2品及企业标识				
Section 1 Ch	emical Produc	t and Compar	ny Identificatio	n	
样品名称 Sample Name	锂离于 Lithium Ic	子电池 on Battery	型号 Model	JKJ 1	8650
额定容量 Rated capacity	2000	mAh	额定能量 Rated Energy	14.8	BWh
电池尺寸 Battery Dimension (L×W×T)	(69.9×39.6	8×19.5)mm	电池质量 Battery Mass	94	.7g
委托单位 Applicant	深圳市杰可杰科技有限公司 Shenzhen JieKejie Technology Co., Ltd				
委托单位地址 Applicant Address	深圳市宝安区航城街道黄麻布社区黄麻布第三工业区大蓬车科技大厦后面 5 层 5/F Behind Caravan Technology Building, Huangmabu Third Industrial Zone, Huangmabu Community, Hangcheng Street, Baoan District, Shenzhen City, Guangdong Province, P, R. China				
制造单位 Manufacturer	深圳市杰可杰科技有限公司 Shenzhen JieKejie Technology Co., Ltd				
制造单位地址 Manufacturer Address	深圳市宝安区航城街道黄麻布社区黄麻布第三工业区大蓬车科技大厦后面 5 层 5/F Behind Caravan Technology Building, Huangmabu Third Industrial Zone, Huangmabu Community, Hangcheng Street, Baoan District, Shenzhen City, Guangdong Province, P, R. China				
联系电话 Telephone	+86-755-23011 320	应急电话 Emergency telephone	+86-755-23011 320	邮箱 Email	JKJ@shenzhe nshijiekejie.co m

第二部分 危险性概述		
Section 2 hazards summarizing		
危险性类别	见第 14 部分	
Classification of	(See section 14)	
Danger	KO KA E	
侵入途径	吸入、皮肤接触、眼睛接触和食入	
Invasion Route	Inhalation, skin contact, eye contact and ingestion	
燃爆危险	高温或短路条件下可能会起火或者爆炸	
Fire and explosion risk	May occur fire or explode under high temperature or short circuit conditions	
腐蚀危险性	无相关数据	
Mordant risk	No information available	
健康危害	正常条件下根据生产商的说明使用电池不会产生危害。使用不当的情况下,有破	
Health hazard	裂、火灾、发热、膨胀、漏液的风险,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,硬物猛击,尖物刺破、破	

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	裂。
	Batteries are not hazardous when used according to the instruction of
	manufacturer under normal conditions. In the case of abuse, rupture, fire, heat,
	swelling, leakage risk, and may result in unexpected losses. Abuse includes but
	not limited to the following cases: charged for long time, short-circuited, put into
	fire, hit with hard object, punctured with acute object, crushed, and broken.
环境危害	无相关数据
Environmental hazards	No information available

第三部分 成分/组成信息 Section 3 Composition, Information on Ingredients 该物质或混合物的分类: □纯品 □混合物 Classification of the substance or mixture: substance **⊠**mixture 化学名称 化学式 CAS 号 百分含量 CAS No. **Chemical Composition** Chemical Formula Weight (%) 钴酸锂 LiCoO2 25-50 12190-79-3 Lithium Cobalt Oxide 铝 7429-90-5 2-10 AΙ **Aluminum** 聚偏氟乙烯 (C2H2F2)n 0-5 24937-79-9 **PVDF** 石墨 С 7782-42-5 20-30 Graphite 铜 Cu 7440-50-8 5-10 Copper 聚乙烯 (C2H4)n 9002-88-4 5-10 Polyethylene 聚丙烯 9003-07-0 5-10 (C3H6)n Polypropylene 六氟磷酸锂 LiPF6 10-20 21324-40-3 LiPF6 镍 Ni 7440-02-0 0.5-5 Nickel

注意: CAS 号是化学文摘服务注册号码。N/A =不适用

Note: CAS number is Chemical Abstract Service Registry Number. N/A=Not apply

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第四部分 急救措施

Section 4 First Aid Measures

总说明 General information

正常情况下,不需要特别的措施。在内部物质漏出的情况,如果身体部位接触到这些物质,应采取以下措施:

Normally, no special measures are required. In the case of internal leakage, if the body parts is exposed to them, the following measures should be taken:

,		
吸入	立即将人员移至通风处,如果呼吸困难,速进行人工呼吸抢救。如症状持续,速就医。	
After inhalation	Remove victim to fresh area. Administer artificial respiration if breathing is difficult.	
~	Seek medical attention.	
皮肤接触	脱去污着衣物,用大量的水清洗,然后清洗双手,衣物清洗后再使用。如果症状持续,	
After skin contact	速就医。	
	Remove contaminated clothing and shoes. Immediately wash with water and soap	
11	and rinse thoroughly. Wash clothing and shoes before reuse. If irritation occurs, get	
	medical attention.	
眼睛接触	张开眼睛在流水下冲洗数分钟,如果症状仍然持续,请咨询医生。	
After eye contact	Flush eyes with plenty of water for several minutes while holding eyelids open. Get	
	medical attention if irritation persists.	
食入	禁止催吐,速就医。Do not induce vomiting. Get medical attention.	
After swallowing		

第五部分 消防措施

Section 5 Fire Fighting Measures

灭火剂	使用适合当地情况和周围环境的灭火剂,如干粉,CO ₂ ,冷水,沙子,土等。不要使		
Extinguishing	用温水或者热水,不要使用哈龙类灭火材料。		
agent	Use extinguishing agent suitable for local conditions and the surrounding		
	environment.Such as dry powder, CO ₂ , cold water, sand, earth. Don't use warm or		
K	hot water.Don' t use Halon type extinguishing material.		
特别危险性	在起火条件下, 电池可能会破裂, 释放出有害的分解产物。在经受高温(>		
Special hazards	150℃(302℃))时,含有易燃电解液的电池,可能泄漏,点燃,产生火花,当损坏或		
	滥用(如机械损伤或过度充电)时,可能燃烧迅速与耀斑燃烧效果,也可能引燃其他在		
	电池附近衣服。		
	Special hazards arising from the substance or mixture: Battery may burst and		
	release hazardous decomposition products when exposed to a fire situation.		
	Lithium ion batteries contain flammable electrolyte that may vent, ignite and		
	produce sparks when subjected to high temperature(>150 ℃ (302 ℉)), when		
11-11	damaged or abused (e.g. mechanical damage or electrical overcharging); may burn		

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	rapidly with flare-burning effect; may ignite other batteries in clothes proximity.
有害燃烧产物	一氧化碳,二氧化碳,锂氧化物烟气。
Hazardous	Carbon monoxide, carbon dioxide, lithium oxide fumes.
Combustion	EN EN -
Products	
防护措施	如起火,佩戴自主呼吸机和防护服。
Protective	Wear self-contained respirator. Wear fully protective impervious suit.
measures	

第六部分 泄露应急处理	
Section 6 Accidental Release I	Measures
作业人员防护措施、防护装备和应急处	穿上保护装备,疏散人群,确保有足够的通风。
置程序:	Wear protective equipment. Keep unprotected persons away.
Homework personnel protective	Ensure adequate ventilation
measures, protective equipment and	
emergency disposal procedures:	
环境保护措施:	若无政府许可,勿将材料排入周围环境。
Environmental precautions:	Do not allow material to be released to the environment without
KA	proper governmental permits.
泄漏化学品的收容、清除方法及所使用	从泄露区移除所有的火源,隔离人员。用一个不产生粉尘的方法打
的处置材料:	扫处理泄漏物, 尽可能多地收集泄漏处理物于有标签的合适的容器
Steps to be taken in case material is	中。泄露处理物禁止倒入下水道,沟渠或水源。所有废弃物必须参
spilled or released and Waste	照联合国,国家,地方性法规进行处置。
disposal method:	Remove ignition sources, evacuate area. Sweep up using a
	method that does not generate dust. Collect as much of the
	spilled material as possible, placed the spilled material into a
	suitable disposal container. Keep spilled material out of sewers,
	ditches and bodies of water. All waste must refer to the United
	Nations, the national and local regulations for disposal.
防止次生灾害的预防措施:	有关安全处理的资料请参阅第七部分。有关个人保护装备的资料请
To prevent the secondary disasters	参阅第八部分。有关弃置的资料请参阅第十三部分。
prevention measures:	See Section 7 for information on safe handling. See Section 8 for
	information on personal protection equipment. See Section 13 for
EA	disposal information.

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第七部分 操作处置与储存		
Section 7 Handling and Storage		
操作注意事项	不要以接头短路的方式对电池进行操作	
Precautions for safe	Don't handling the batteries in manner that allows terminals to short circuit	
handling		
有关火灾及防止爆炸的资料	电池在拆开、挤压、遇火或高温情况下,会引起起火或爆炸,严禁短路或非	
Information about fire and	正确操作。	
explosion protection	Batteries may explode or cause burns, if disassembled, crushed or exposed	
	to fire or high temperatures. Do not short or install with incorrect polarity.	
储存注意事项	储存在一个低温,干燥,通风良好的环境。远离热源,避免长时间阳光照射。	
Conditions for safe	未使用时密封容器。Requirements to be met by storerooms and receptacles.	
storage, including any	Store in a cool, dry, well-ventilated place. Keep away from heat, avoiding the	
incompatibilities	long time of sunlight.	

第八部分 接触控制/个体防护		
Section 8 Exposure Controls, Personal Protection		
呼吸防护	当电池排气阀打开时,应尽量使通风设备开至最大,避免将打开排气阀的电芯	
Respiratory Protection	局限在某一狭窄空间内。正常操作条件下,呼吸保护是不必要的。	
KA	In case of battery venting, provide as much ventilation as possible. Avoid	
	confined areas with venting cell cores. Respiratory Protection is not	
	necessary under conditions of normal use.	
通风条件	正常使用条件下不必考虑。	
Ventilation	Not necessary under conditions of normal use.	
防护手套	正常使用条件下不必考虑。	
Protective Gloves	Not necessary under conditions of normal use.	
其他防护服装或设备	正常使用条件下不必考虑。	
Other Protective Clothing	Not necessary under conditions of normal use.	
or Equipment		
电池破损时应做好个人防护	呼吸防护,防护手套,防护服装和有护边的安全玻璃罩都是要准备的。	
Personal Protection is	Respiratory Protection, Protective Gloves, Protective Clothing and safety	
recommended for	glass with side	
damaged battery	shields.	

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第九部分 理化物	寺性		
Section 9 Phys	sical and Chemical Properties		
E	颜色: 蓝色 Color: Blue		
物理状态 Physical State	外形: 棱柱形 Appearance: Prismatic		
	气味: 无味 Odor: Odorless	EA	
变化的条件 Change in conditio	n		
酸碱度 pH	不适用。 Not applicable as supplied.		
闪点 Flash Point	除非单个的组件暴露,否则不适用。 Not applicable unless individual components exposed.		
易燃度 Flammability	除非单个的组件暴露,否则不适用。 Not applicable unless individual components exposed.	EA	
相对密度 Relative density	除非单个的组件暴露,否则不适用。 Not applicable unless individual components exposed.	Et.	
溶解性(水溶性) Solubility (water)	除非单个的组件暴露,否则不适用。 Not applicable unless individual components exposed.		
溶解性(其他) Solubility (other)	除非单个的组件暴露,否则不适用。 Not applicable unless individual components exposed.		

第十部分 稳定性和反应活性		
Section 10 Stability and Reactivity		
稳定性	正常情况下稳定。	
Chemical stability	Stable in normal circumstances.	
禁配物	氧化剂,酸,碱。	
Incompatibilities	Oxidant, acid, alkali	
应避免条件	加热 70 摄氏度以上或焚烧、变形、毁坏、粉碎、拆卸、过充电、短路,长时间暴露在	
Conditions to	潮湿的条件下。	
Avoid	Heat above 70°C or incinerate. Deform. Mutilate. Crush. Disassemble. Overcharge.	
	Short circuit. Expose over a long period to humid conditions.	
危险反应	无资料	
Possibility of	Data not available.	
hazardous		
reactions		

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危险的分解产物	一氧化碳,二氧化碳,锂氧化物烟气
Hazardous	Carbon monoxide, carbon dioxide, lithium oxide fumes
Combustible	
Products	EN EN -

第十一部分 毒理学信息

Section 11 Toxicological Information

在日常操作和使用中本产品不会引起毒理学性能。

This product does not elicit toxicological properties during routine handling and use.

第十二部分 生态学信息			
Section 12 Ecological Information			
	若无政府许可, 勿将材料排入周围环境。		
での日本 General note	Do not allow material to be released to the environment without		
General note	proper governmental permits		
化学产品在环境/可能的环境预期的			
行为的一种生态毒性	Not Available.		
Anticipated behavior of a chemical	不适用。		
product in environment/possible	71.7年/11。		
environmental impact/ ecotoxicity			

	第十三部分 废弃处置	
	Section 13 Disposal Con	siderations
	废弃处置方法建议	请参考国家和地方的相关法规正确进行处理。
	Waste treatment methods and	Consult state, local or national regulations to ensure proper disposal.
	Recommendation	
	废弃注意事项	废电池不能当作普通垃圾。不能扔进火中或置于高温下。不能解体,刺穿,
	Attention for waste treatment	破碎或类似的处理。
		Deserted batteries couldn't be treated as ordinary trash. Couldn't be
h		thrown into fire or placed in high temperature. Couldn't be dissected,
		pierced, crushed or treated similarly. Best way is recycling.

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第十四部分 运输信息				
Section 14 Transport Information				
联合国危险货物编号	UN3480			
UN Number	UN3481			
包装标志	第9类			
Labels for package	Class 9			
运输专用名称	锂离子电池(荷电状态不得超过其额定容量的30%)或;			
Shipping Name	Lithium ion batteries (Suggested limited to a maximum of 30% SoC or;			
	与设备一起包装的锂离子电池(包括锂离子聚合物电池)(荷电状态建议不超过其额			
	定容量的 30%) 或;			
EA	Lithium ion batteries packed with equipment (including lithium ion polymer			
	batteries) (Suggested limited to a maximum of 30% SoC) or;			
	包含在设备中的锂离子电池(包括锂离子聚合物电池)(荷电状态建议不超过其额定			
	容量的 30%)。			
1	Lithium ion batteries contained in equipments (including lithium ion polymer			
4	batteries) (Suggested limited to a maximum of 30% SoC).			
国际民间航空组织/	货物可根据国际民用航空组织(ICAO),TI或国际航空协会(IATA)DGR 66 th (2025			
国际航空运输协会	年版)包装说明 PI965 第 IB 部分, PI966 和 PI967 第 II 部分相关规定。			
ICAO / IATA	Can be shipped by air in accordance with International Civil Aviation Organization			
	(ICAO), TI or International Air Transport Association (IATA), DGR Packing			
	Instructions PI 965 Section IB, PI 966 and PI 967 Section II appropriate of IATA			
	DGR 66 th (2025 Edition).			
国际海运危险货物规	根据特殊规定 188, 该电池不受 IMDG Code 2024 版(Amdt 42-24)限制。			
则	The batteries are not restricted to IMDG Code 2024 Edition (Amdt 42-24) according			
IMDG CODE	to special provision 188.			
运输方式	空运, 海运, 铁路, 公路。			
Transport Fashion	By air, by sea, by railway, by road.			

此外,每个锂电芯和电池类型都必须通过联合国《关于危险货物运输的建议书 试验和标准手册》第 **38.3** 节规定的适用测试。电池应做好防短路措施。

In addition, to be permitted in transport each lithium cell and battery types must have passed the applicable tests set out in Subsection 38.3 of the UN Manual of Tests and Criteria. The batteries should be well protected against short circuits.

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第十五部分 法规信息

Section 15 Regulatory Information

联合国《关于危险货物运输的建议书规章范本》

Recommendations on the transport of dangerous goods-model Regulations

国际航空运输协会《危险品规则》

IATA dangerous goods regulations

《国际海运危险货物规则》(IMDG Code)

International maritime dangerous goods code

《欧洲道路危险货物国际运输协议》

European Agreement concerning the International Carriage of Dangerous Goods by Road

《危险品安全运输技术指令》

Technical Instructions for the Safe Transport of Dangerous Goods

《危险货物分类和品名编号》

Classification and code of dangerous goods

《职业安全卫生法》

Occupational Safety and Health Act (OSHA)

《有毒物质控制法》

Toxic Substance Control Act (TSCA)

《消费产品安全法》

Consumer Product Safety Act (CPSA)

《联邦环境污染控制法》

Federal Environmental Pollution Control Act (FEPCA)

《石油污染法案》

The Oil Pollution Act (OPA)

符合所有联邦、州和地方法律

In accordance with all Federal. State and local laws

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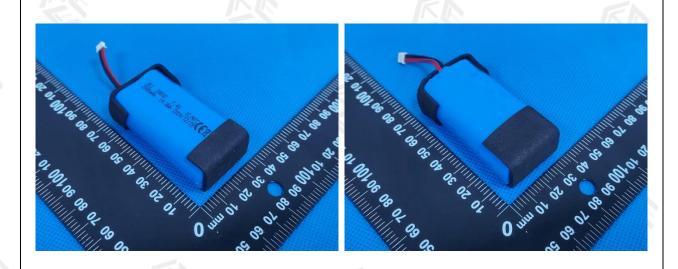


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第十六部分 其他信息

Section 16 Additional Information

样品照片 Sample photo



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--报告结束--

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