Applicant's name	Shenzhen LuPuEn Tech	nology Development Co	., LTD.
Applicant's Address	Room 1207, No.16, Sanl Dalang Street, New Long		, Tongsheng community, , China.
lame of Sample	Cylindrical Li-ion Cell		
Nodel	18650-2200mAh		_
Nominal Voltage	3.6V		C)
Rated Capacity	2200mAh, 7.92Wh		
Veight	44.0g		
Size (D×H)	(18.4×65.5)mm)	6
Prepared By	Shenzhen TCT Testing T 2101 & 2201, Zhenchang Subdistrict, Bao'an Distri	g Factory, Renshan Indu	
Report No.	TCT221215M037		
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ritten by: May	hou 侯梅 Api	proved by:	msin zotat

TCT通测检测 TESTING CENTRE TECHNOLOGY

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Material Safety Data Sheet

TCT 通测检测 TESTING CENTRE TECHNOLOGY

Name of Sample	Cylindrical Li-ion Cell		
Manufacturer's name	Shenzhen LuPuEn Technol	ogy Development Co., LTD). ~-
Manufacturer's	Room 1207, No.16, Sanhe Street, New Longhua Distric		sheng community, Dalang
Contact Person	Mr. Xiao		
Tel	+86-755-27526667		
Emergency Tel	+86-755-27526667		
E-mail	xiao-tian-good@163.com		
(\mathcal{O})	(\mathcal{O})	$(\mathbf{x}\mathbf{G})$	(\mathcal{G})
Section 2- Hazards	See section 14.		
Primary Route(s) of Exposure	Eye, skin contact, ingestion.		
Health Hazard	The batteries are not hazardo manufacturer under normal c fire, heat, leakage of internal o including but not limited to the circuited, put into fire, whacke crushed, and broken.	onditions. In case of abuse components, which could c of following cases: charged	, there's Hazard of rupture ause casualty loss. Abuses for long time, short

Section 3- Composition/Information on Ingredients				
Chemical Name	Concentration or concentration ranges (%)	CAS Number		
Lithium Cobalt Oxide	15-40	12190-79-3		
Graphite	10-30	7782-42-5		
Phosphate(1-), hexafluoro-, lithium	10-30	21324-40-3		
Copper	7-13	7440-50-8		
Aluminum foil	5-10	7429-90-5		
Nickel	1-5	7440-02-0		
PVC (Chloroethylene, polymer)	1-5	9002-86-2		

Labeling according to EC directives.

No symbol and Hazard phrase are required.

TCT 通测检测 TESTING CENTRE TECHNOLOGY

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

Section 4- First Aid Measures

Eye	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin	Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.
Inhalation	Remove from exposure and move to fresh air immediately. Use oxygen if available.
Ingestion	Ingesting damaged batteries, do not induce vomiting or give food or drink. Seek medical attention immediately.

Section 5- Fire Fighting Measures Characteristics of Hazard Dusts at sufficient concentrations can form explosive mixtures with air. Combustion generates toxic fumes. Hazardous Combustion Products Carbon dioxide. Fire-extinguishing Methods and Extinguishing Media For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

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Attention in Wear self-contained breath (approved or equivalent) and (approved or equivalent) and environment) Section 6- Accidental Release Measu Personal Precautions, protective equipment, and emergency procedures	
Personal Precautions, protective	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
Personal Precautions, protective	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
	Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe
	spill/leak. Refer to protective measures listed in Sections 7 and 8.
Environmental Precautions	Prevent product from contaminating soil and from entering sewers or waterways.
Methods and materials for Containment	Stop the leak if safe to do so. Contain the spilled liquid with dry sand or earth. Clean up spills immediately.
Methods and materials for cleaning up	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 water for proper disposal.
Section 7- Handling and Storage	
Handling	The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.
Storage	Store in a cool, dry, well-ventilated area away from incompatible substances. Store locked up. Keep out of the reach of children.
Other Precautions	In case of rupture. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment.
Section 8 - Exposure Controls/Person	al Protection
Engineering Controls	Use adequate ventilation to keep airborne concentrations low. If used under conditions that generate particulates, the ACGIH TLV-TWA of 3mg/m ³ respirable fraction (10mg/m ³ total) should be observed.

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		Eye and Face Protection: None required for consumer use. If there is a Hazard of contact: Tight sealing safety goggles. Face protection shield.
Personal Protect	ive Equipment	Skin and Body Protection: None required for consumer use. If there is a Hazard of contact: Wear protective gloves and protective clothing.
		Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Section 9- Phy	vsical and Chemical I	Properties
	Appearance: Cylindrical	
Physical State	Color: Green	(\vec{c})
	Odour: If leaking, smells	of medical ether.
Change in condi	tion	
рН	Not applicable as supplie	ed.
Flash Point	Not applicable unless inc	lividual components exposed.
Flammability	Not applicable unless inc	lividual components exposed.
Relative density:	Not applicable unless inc	lividual components exposed.
Solubility (water)	Not applicable unless inc	lividual components exposed.
Solubility (other)	Not applicable unless inc	lividual components exposed.
Section 10 – S	Stability and Reactivit	У
Chemical Stabilit	ty	Stable under recommended storage conditions.
Possibility of Haz	zardous Reactions	None under normal processing.
Conditions to Av	oid	Exposure to air or moisture over prolonged periods.
Incompatible ma	terials	Acids, Oxidizing agents, Bases.
Hazardous Deco	emposition Products	Carbon oxides.
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Irritation		In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin.
Sensitization		Not Available.
Reproductive Toxicity		Not Available.
Toxicologically Synergistic M	aterials	Not Available.
	(<	
Section 12-Ecological Inf	ormation	
General note:		Do not allow undiluted product or large quantities of to reach ground water, water course or sewage system.
Anticipated behavior of a che in environment/possible envir impact/ ecotoxicity		Not Available.
Section 13 – Disposal Co Waste Treatment	onsiderations	Recycle or dispose of in accordance with government, state & local regulations.
Vaste Treatment		government, state & local regulations. Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is
Naste Treatment	nt	government, state & local regulations. Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is
Vaste Treatment Attention for Waste Treatmen Section 14 – Transport In	nt	government, state & local regulations. Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is
Naste Treatment	of oformation 3480	government, state & local regulations. Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is
Waste Treatment Attention for Waste Treatmen Section 14 – Transport In JN number	of oformation 3480	government, state & local regulations. Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is recycling.
Waste Treatment Attention for Waste Treatmen Section 14 – Transport In JN number Proper shipping name Label(s) / Placard Required Special precautions which a u	of formation 3480 Lithium ion batte Miscellaneous Lithium batt	government, state & local regulations. Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is recycling.

				Material Safe	ety Data Sheet
			Packing Instructions (PI) 4 th (2023 Edition) for trans		ppropriate of
MDG CODE:	(C)		s are not restricted to IMDC ding to special provision 1		ition (Amdt
т:)	Subchapter (ements for the US Departm C, Hazardous Materials Re with 49 CFR 173.185.		
ADR/ ADN:			equirements for United Nat ECE) ADR/ADN, Applicable		
		•	m cell and battery types mo of Tests and Criteria.	ust have passed	the applicable
Section 15	- Regulator	y Information	1		
Dangerous	Goods Regulatior	IS			
			ous Goods-Model Regulat ous Goods-Manual of Tes		ed edition)
Internationa	I Air Transport As	sociation (IATA)			
Internationa	I Maritime Dange	rous Goods (IMD	G Code 2020 Edition Amd	t 40-20)	
Technical Ir	structions for the	Safe Transport of	f Dangerous Goods		
Classificatio	n and code of da	ngerous goods (G	GB 6944-2012)		
		nication Standard	(29 CFR 1910.1200)		
2012 OSHA	Hazard Commur				
	A Hazard Commur				
Toxic Subst					
Toxic Subst	ance Control Act deral Regulations		laws		
Toxic Subst	ance Control Act deral Regulations	(TSCA)	laws		
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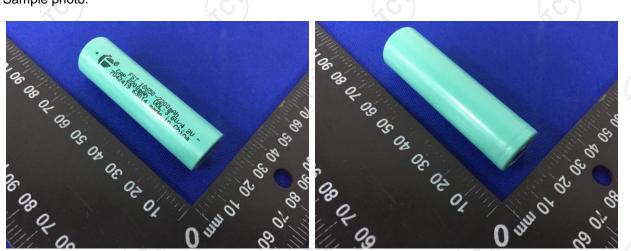


Material Safety Data Sheet

Section 16 – Additional Information

MSDS creation date: 2023 Version: 1.0

Sample photo:



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*******End of report******

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