	MSDS				
		(	$\langle \mathcal{C} \rangle$		
Applicant's name	Shenzhen Chang	yxingda New Ene	ergy Co., Ltd.		
Applicant's Address	Building 6, Area / Bao'an District, S		dustrial Park, B	uyong, Shajing St	reet,
Name of Sample	Rechargeable Li-	lon battery			
Model	AK-V50-4G				
Nominal Voltage	3.8V			Ś	
Rated Capacity	1400mAh, 5.32W	/h		(Å	6)
Weight	26.8g			No.	
Size (L×W×T)	(66.3×41.9×4.1)n	nm		3	
Prepared By	Shenzhen TCT T 2101 & 2201, Zhu Subdistrict, Bao'a	enchang Factory	, Renshan Indu	ıstrial Zone, Fuhai ng, China	
Report No.	TCT211207M141				~
/ritten by: May H	lou	Approved	by: <del>Jon</del>	usin	ING TEO:
spected by: Amy	Teng	Da	te: 2022.	01.01	

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# Material Safety Data Sheet

TCT通测检测 TESTING CENTRE TECHNOLOGY

Name of Sample	Rechargeable Li-Ion battery		
Manufacturer's name	Shenzhen Changxingda New E	nergy Co., Ltd.	~
Manufacturer's Address	Building 6, Area A-6, Tongfuyu District, Shenzhen City	Industrial Park, Buyor	ng, Shajing Street, Bao'an
Contact Person	Mr. Zhou		
Tel	+86-755-29488040	<b>B</b>	
Fax	+86-755-29488004	(	6)
Emergency Tel	+86-755-29488040		
	493966710@qq.com		
Section 2- Hazard			
E-mail Section 2- Hazards Classification of Danger Primary Route(s) of Exposure	s Identification		
Section 2- Hazard Classification of Danger Primary Route(s) of	s Identification See section 14.	tions. In case of abus ponents, which could owing cases: charged	e, there's Hazard of rupture cause casualty loss. Abuses d for long time, short

Chemical Name	Concentration or concentration ranges (%	G) CAS Number
ithium Cobalt Oxide	15-40	12190-79-3
araphite	10-30	7782-42-5
hosphate(1-), hexafluoro-, lithium	10-30	21324-40-3
opper	7-13	7440-50-8
luminum foil	5-10	7429-90-5
ickel	1-5	7440-02-0

Labeling according to EC directives.

No symbol and Hazard phrase are required.

**「CT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 MeasuresCharacteristics of<br/>HazardDusts at sufficient concentrations can form explosive mixtures with air. Combustion<br/>generates toxic fumes.Hazardous<br/>Combustion<br/>ProductsCarbon dioxide.Fire-extinguishing<br/>Methods and<br/>Extinguishing<br/>MediaFor small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

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 Fax: 86-755-27673332
 http://www.tct-lab.com

Attention in	通测检测 ESTING CENTRE TECHNOLOGY	Material Safety Data Sheet
Fire-extinguishir		hing apparatus in pressure-demand, MSHA/NIOSH and full protective gear.
Section 6- Acc	cidental Release Measu	Ires
Personal Precau equipment, and	utions, protective emergency procedures	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.
Environmental F	Precautions	Prevent product from contaminating soil and from entering sewers or waterways.
Methods and ma	aterials 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 ma	aterials 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- Ha	ndling and Storage	collect all contaminated wash water for proper
Section 7- Ha Handling	ndling and Storage	collect all contaminated wash water for proper
/	ndling and Storage	collect all contaminated wash water for proper disposal. The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect
Handling		collect all contaminated wash water for proper disposal.         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.         Store in a cool, dry, well-ventilated area away from incompatible substances. Store locked up. Keep out
Handling Storage Other Precaution		collect all contaminated wash water for proper disposal.         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.         Store in a cool, dry, well-ventilated area away from incompatible substances. Store locked up. Keep out of the reach of children.         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.

		Material Safety Data Sheet
Personal Protect	ive Equipment	<ul> <li>Eye and Face Protection: None required for consumer use. If there is a Hazard of contact: Tight sealing safety goggles. Face protection shield.</li> <li>Skin and Body Protection: None required for consumer use. If there is a Hazard of contact: Wear protective gloves and protective clothing.</li> <li>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.</li> </ul>
Section 9- Phy	vsical and Chemical P	Properties
	Appearance: Prismatic	
Physical State	Color: White	
	Odour: If leaking, smells of	of medical ether.
Change in condit	tion	
рН	Not applicable as supplied	d. 0
Flash Point	Not applicable unless indi	lividual components exposed.
Flammability	Not applicable unless indi	lividual components exposed.
Relative density:	Not applicable unless indi	lividual components exposed.
Solubility (water)	Not applicable unless indi	lividual components exposed.
Solubility (other)	Not applicable unless indi	lividual components exposed.
Section 10 – S	Stability and Reactivity	y line in the second seco
Chemical Stabilit	ty	Stable under recommended storage conditions.
Possibility of Ha:	zardous Reactions	None under normal processing.
Conditions to Ave	oid	Exposure to air or moisture over prolonged periods.
Incompatible ma	terials	Acids, Oxidizing agents, Bases.
Hazardous Decc	omposition Products	Carbon oxides.
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### Material Safety Data Sheet

Section 11 – Toxicological	I Information	
Irritation	<u> </u>	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 Ma	aterials	Not Available.
	<u>(</u> (0	
Section 12-Ecological Info	ormation	
General note:		Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Anticipated behavior of a cher in environment/possible enviro impact/ ecotoxicity		Not Available.
Section 13 – Disposal Con Waste Treatment	nsiderations	Recycle or dispose of in accordance with government, state & local regulations.
Attention for Waste Treatment		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.
Section 14 – Transport Inf	ormation	
UN number	3481	
Proper shipping name	Lithium ion batter polymer batteries	ries packed with equipment (including lithium ion
Label(s) / Placard Required	Miscellaneous Lithium batt	
		e aware of, or needs to comply with, in er within or outside their premises.
ICAO / IATA:	Can be shipped b	by air in accordance with International Civil Aviation
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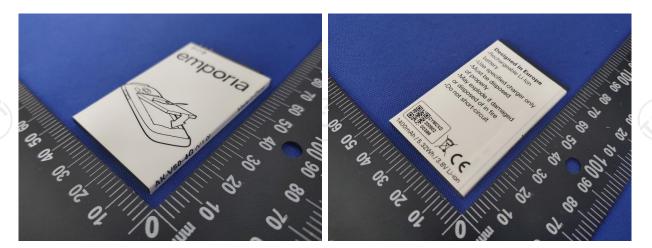
TCT					Material	Safety Data Sl	neet
		(IATA), DG	on (ICAO), TI AR Packing Ins ate of IATA DO	structions (PI)	966 Section I	I and PI 967 Se	ectior
IMDG CODE:			ies are not res ording to spec			Edition (Amdt	
DOT:		Subchapte	irements for the r C, Hazardou e with 49 CFR	s Materials R		portation (DOT hipped in	)
ADR/ ADN:		Economic	nts of special p	or Europe (UN	IECE) ADR/A	ited Nations DN if they mee 3. Applicable as	
	e permitted in trar Subsection 38.3 o				ust have pass	sed the applica	ble
) -							
Recommend International International Technical In	lations on the Tra lations on the Tra Air Transport As Maritime Danger structions for the	nsport of Dang sociation (IATA rous Goods (IM Safe Transport	Perous Goods- ) IDG Code 202 of Dangerous	Manual of Tes 0 Edition Amo	sts and Criteria	,	
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## Section 16 – Additional Information

MSDS creation date: 2022 Version: 1.0



To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

The data/information contained herein has been reviewed and approved for general release on the basis that this document contains no export controlled information.

\*End of report

Shenzhen TCT Testing Technology Co., Ltd. 2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China Report Search Number: TCT211207M141 Search System: http://www.tct-lab.com