Applicant's name	Dongguan Hua	ali Lithium Battery Technolo	gy Co., Ltd.
Applicant's Address	Room 302, bu City, Guangdo		oad, Tangxia Town, Dongguan
Name of Sample	Polymer Lithiu	m Battery	
Model	602040		
Nominal Voltage	3.7V		
Rated Capacity	400mAh, 1.48	Wh	
Weight	9.2g		
Size(L×T×W)	(42.5×20.6×6.	1)mm	
Prepared By	2101 & 2201, 2	T Testing Technology Co., Li Zhenchang Factory, Rensha o'an District, Shenzhen, Gu	an Industrial Zone, Fuhai
Report No.	TCT221202M0	006	
/ritten by:	h Liao	_ Approved by:	Robo You
ispected by: Cher	ry Huang	Effective Date:	2023. 01. 01

TCT通测检测 TCT通测检测

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Material Safety Data Sheet

TCT通测检测 TESTING CENTRE TECHNOLOGY

Name of Sample	Polymer Lithium Battery		
Manufacturer's name	Dongguan Huali Lithium Battery	Technology Co., Ltd.	
Manufacturer's Address	Room 302, building 1, No.5, liyu Guangdong Province	ankeng Road, Tangxia To	wn, Dongguan City,
Contact Person Tel	Mr. Chen +86-769-82867206		
Emergency Tel	+86-769-8286736	(C)	
E-mail	2713188604@qq.com		
Classification of Danger	See section 14.		
Primary Route(s) of Exposure	Eye, skin contact, ingestion.		
	The batteries are not hazardous v manufacturer under normal conditional condit	ions. In case of abuse, the	ere's Hazard of rupture, e casualty loss. Abuses
Health Hazard	fire, heat, leakage of internal comp including but not limited to the foll circuited, put into fire, whacked wi crushed, and broken.	owing cases: charged for	
Health Hazard	including but not limited to the foll circuited, put into fire, whacked wi	owing cases: charged for	

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
Numinum foil	5-10	7429-90-5
Nickel	1-5	7440-02-0

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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 Hotline: 400-6611-140
 Tel: 86-755-27673339
 Fax: 86-755-27673332
 http://www.tct-lab.com

	Material Safety Data Sheet
Attention inWear self-contained breatFire-extinguishing(approved or equivalent) a	hing apparatus in pressure-demand, MSHA/NIOSH nd full protective gear.
Section 6- Accidental Release Measu	ures
Personal Precautions, protective equipment, and 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 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.
	disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect
Handling Storage Other Precautions	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
Storage Other Precautions	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.
Storage	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.

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Personal Protect	ive Equipment	Eye and Face Protection: None required for consumer use. If there is a Hazard of contact: Tight sealing safety goggles. Face protection shield. 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	sical and Chemical F	Properties
	Appearance: Prismatic	
Physical State	Color: Silver	
	Odour: If leaking, smells	of medical ether.
Change in condi		
ρH	Not applicable as supplie	d.
Flash Point	Not applicable unless ind	ividual components exposed.
Flammability	Not applicable unless ind	ividual components exposed.
Relative density:	Not applicable unless ind	ividual components exposed.
Solubility (water)	Not applicable unless ind	ividual components exposed.
Solubility (other)	Not applicable unless ind	ividual components exposed.
Section 10 – S	Stability and Reactivity	y
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	mposition Products	Carbon oxides.
)		

Material Safety Data Sheet

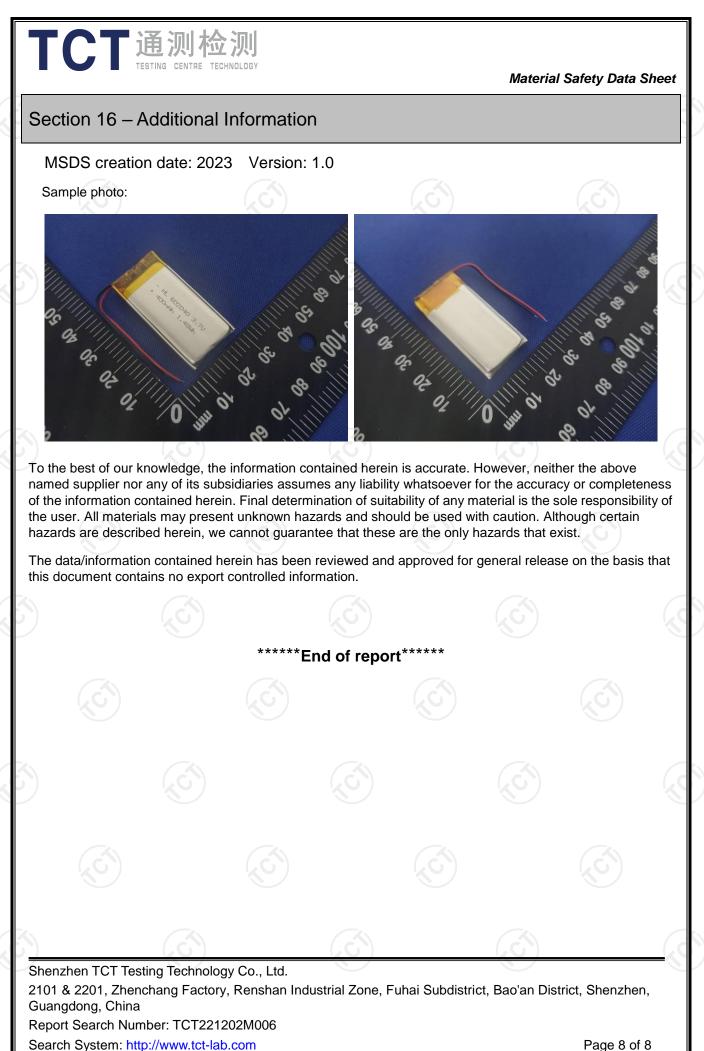
Irritation		In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin.
Sensitization		Not Available.
Reproductive Toxicity		Not Available.
Toxicologically Synergistic M	aterials	Not Available.
Section 12-Ecological Inf	ormation	
General note:		Do not allow undiluted product or large quantities of to reach ground water, water course or sewage system.
Anticipated behavior of a che in environment/possible envi impact/ ecotoxicity	· · · · · · · · · · · · · · · · · · ·	Not Available.
Waste Treatment		Recycle or dispose of in accordance with government, state & local regulations. Deserted batteries shouldn't be treated as ordinary
Attention for Waste Treatmer	nt 🖉	
		crushed or treated similarly. Best disposal method is recycling.
Section 14 – Transport Ir	formation	
	2400 8 2404	
UN number	3480 & 3481	
UN number Proper shipping name	Lithium ion batte Lithium ion batte polymer batteries Lithium ion batte	ries contained in equipments (including lithium ion
) (9)	Lithium ion batte Lithium ion batte polymer batteries	ries packed with equipment (including lithium ion s) or; rries contained in equipments (including lithium ion

	Material Safety Data Sheet
CAO / 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 Section and PI 967 Section II appropriate of IATA DGR 64 th (2023 Edition) for transportation.
MDG CODE:	The batteries are not restricted to IMDG Code 2020 Edition (Amdt 40-20) according to special provision 188.
DOT:	Other requirements for the US Department of Transportation (DOT) Subchapter C, Hazardous Materials Regulations if shipped in compliance with 49 CFR 173.185.
	The batteries are not subject to the provisions of United Nations Economic Commission for Europe (UNECE) ADR/ADN if they meet th
	requirements of special provision 188 of Chapter 3.3. Applicable as fro 1 January 2023. ansport each lithium cell and battery types must have passed the applicable of the UN Manual of Tests and Criteria.
n addition, to be permitted in tra	1 January 2023. ansport each lithium cell and battery types must have passed the applicable of the UN Manual of Tests and Criteria.
a addition, to be permitted in tra ests set out in Subsection 38.3	1 January 2023. ansport each lithium cell and battery types must have passed the applicable of the UN Manual of Tests and Criteria. ry Information
a addition, to be permitted in tra ests set out in Subsection 38.3 Section 15 – Regulator Dangerous Goods Regulatio	1 January 2023. ansport each lithium cell and battery types must have passed the applicable of the UN Manual of Tests and Criteria. ry Information
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Toxic Substance Control Act (TSCA)

Code of Federal Regulations

In accordance with all Federal, State and local laws



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