			Material Safety	Data She
	MSDS	Repo	rto	
			Re	Š)
Applicant's name	NEMO POWER TOOL	S LIMITED		
Applicant's Address	No.2 DunBei Industrial Shenzhen, Guangdong		ge, Long Hua New D	istrict,
Name of Sample	Lithium Ion Battery			
Model	4S-WHDL			
Nominal Voltage	14.8V		Ś	
Rated Capacity	2600mAh, 38.48Wh			
Weight	195.1g		<i>C</i>	
Size (L×W×T)	(76.0×37.4×37.4)mm		Ś	
Prepared By	Shenzhen TCT Testing 1B/F., Building 1, Yibac District, Shenzhen, Gu	olai Industrial Park, C		an
Report No.	TCT200106M138			
(C		Ô	Ś	
Written by: <u>Com</u>	y Wong A	pproved by:	Allen Din	TING TECHNO
nspected by:	my Zeng	Date: _	2020. 0.10	

# Material Safety Data Sheet

TCT通测检测 TESTING CENTRE TECHNOLOGY

Name of Sample	Lithium Ion Battery		
Manufacturer's name	Shenzhen Tianlihe Technology C	co., Ltd	
Manufacturer's Address	2 Floor, 3 Building ,Tianhao Industrial Park, Songbai Road, Shiyan Town, Bao'an District, Shenzhen, Guangdong		
Contact Person	Ms. Huang		
Tel	+86-755-33680808		
Fax	+86-755-33680808		$\vec{\mathbf{o}}$
Emergency Tel	+86-755-33680808		
<i>E-mail</i> Section 2- Hazard	sourcing@nemopowertools.com		
Section 2- Hazard	Is Identification		
Section 2- Hazard Classification of Danger Primary Route(s) of	Is Identification See section 14.	ons. In case of abus onents, 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 (%)	CAS Number
Lithium Cobalt Oxide (CoLiO <sub>2</sub> )	30-60	12190-79-3
Graphite	10-30	7782-42-5
Phosphate(1-), hexafluoro-, lithium	10-30	21324-40-3
Copper	5-10	7440-50-8
Aluminum foil	1-5	7429-90-5
Nickel	1-5	7440-02-0
PVC (Chloroethylene, polymer)	1-5	9002-86-2

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

## Section 4- First Aid Measures

TCT通测检测 TESTING CENTRE TECHNOLOGY

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	Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician.

### 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	For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

Report No.: TCT200106M138 Page 3 of 8 Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Extinguishing Media			
		hing apparatus in pressur and full protective gear.	e-demand, MSHA/NIOSH
	<u></u>	<i></i>	<u></u>
Section 6- Accidental	Release Measu	ures	
Personal Precautions, pr equipment, and emerger		Avoid contact with ski adequate ventilation. equipment as required areas. Keep people av	ention! Corrosive material. n, eyes and clothing. Ensure Use personal protective d. Evacuate personnel to safe way from and upwind of tective measures listed in
Environmental Precautio	ns	Prevent product from entering sewers or wa	contaminating soil and from terways.
Methods and materials fo	or Containment		do so. Contain the spilled liqu . Clean up spills immediately.
Methods and materials fo	or cleaning up	sand or earth). Scoop acceptable waste con absorbent and dispos Section 13. Scrub the	al with an inert absorbent (dry contaminated absorbent into a tainer. Collect all contaminate e of according to directions in area with detergent and wate ed wash water for proper
Section 7- Handling a	ind Storage		
Handling			ode or cause burns, if d or exposed to fire or high short or install with incorrect
Storage	(		ell-ventilated area away from ces. Store locked up. Keep ou n.
Other Precautions		industrial hygiene and	ndle in accordance with good safety practice. Avoid contact hing. Use personal protection
KO)	K)	KO)	
Section 8 - Exposure	Controls/Perso	nal Protection	
Engineering Controls	(	Use adequate ventila concentrations low. If	tion to keep airborne used under conditions that

TCT通测检测 TESTING CENTRE TECHNOLOGY	Material Safety Data Sheet
	generate particulates, the ACGIH TLV-TWA of 3mg/m <sup>3</sup> respirable fraction (10mg/m <sup>3</sup> total) should be observed.
	Eye and Face Protection: None required for consumer use. If there is a Hazard of contact: Tight sealing safety goggles. Face protection shield.
Personal Protective 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.

	Appearance: Prismatic	
Physical State	Color: Blue	
	Odour: If leaking, smells of medical ether.	
Change in condit	tion	
рН	Not applicable as supplied.	
Flash Point	Not applicable unless individual components exposed.	
Flammability	Not applicable unless individual components exposed.	
Relative density:	Not applicable unless individual components exposed.	
Solubility (water)	Not applicable unless individual components exposed.	
Solubility (other)	Not applicable unless individual components exposed.	

# Section 10 - Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Exposure to air or moisture over prolonged periods.
Incompatible materials	Acids, Oxidizing agents, Bases.
Hazardous Decomposition Products	Carbon oxides.

 Report No.: TCT200106M138
 Page 5 of 8

 Hotline: 400-6611-140
 Tel: 86-755-27673339
 Fax: 86-755-27673332
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#### Material Safety Data Sheet

	In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin. Not Available. Not Available.
<u> </u>	
(c	Not Available.
	Not Available.
on	
	Do not allow undiluted product or large quantities of to reach ground water, water course or sewage system.
Anticipated behavior of a chemical product in environment/possible environmental impact/ ecotoxicity	
ations	
alions	Recycle or dispose of in accordance with
Waste Treatment	
No.	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 recycling.
ion	
3481	
Lithium ion batteries (limited to a maximum of 30% SoC) Lithium ion batteries packed with equipment (including lit polymer batteries) or; Lithium ion batteries contained in equipments (including lit polymer batteries).	
	ations ations ion 3481 ion batter ion batter ion batter ion batter ion batter

 Report No.: TCT200106M138
 Page 6 of 8

 Hotline: 400-6611-140
 Tel: 86-755-27673339
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connection with transport or conveyance either within or outside their premises

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, PI 966 and PI 967 Section II appropriate of IATA DGR 61 <sup>st</sup> (2020 Edition) for transportation.
IMDG CODE:	The batteries are not restricted to IMDG Code 2018 Edition (Amdt 39-18) 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.
ADR/ ADN:	The batteries are not subject to the provisions of United Nations Economic Commission for Europe (UNECE) ADR/ADN if they meet the requirements of special provision 188 of Chapter 3.3. Applicable as from 1 January 2019.

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.

### Section 15 – Regulatory Information

**Dangerous Goods Regulations** 

Recommendations on the Transport of Dangerous Goods-Model Regulations (20th revised edition)

Recommendations on the Transport of Dangerous Goods-Manual of Tests and Criteria

International Air Transport Association (IATA)

International Maritime Dangerous Goods (IMDG Code 2018 Edition Amdt 39-18)

Technical Instructions for the Safe Transport of Dangerous Goods

Classification and code of dangerous goods (GB 6944-2012)

2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Toxic Substance Control Act (TSCA)

Code of Federal Regulations

In accordance with all Federal, State and local laws

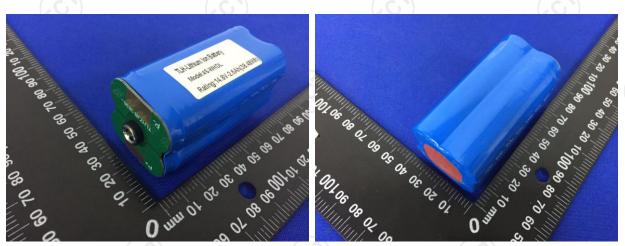


Material Safety Data Sheet

### Section 16 – Additional Information

MSDS creation date: 2020 Version: 1.0

Sample photo:



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. 1B/F., Building 1, Yibaolai Industrial Park, Qiaotou, Fuyong, Baoan District, Shenzhen, Guangdong, China Report Search Number: TCT200106M138 Search System: http://www.tct-lab.com Page 8 of 8