

SAFETY DATA SHEET

I	Report No.:	CMC231107040M01				
I	Name of sample:	Lithium-Ion Rechargeable Battery				
	Model:	CECALB523450				
	Туре:	7.4V 1000mAh 7.4Wh				
	Client:	Dongguan Golden CEL Battery Co., Ltd.				
	Address:	No.11, Yinhu Industrial park, JiaoYiTangManagement Zone, TangXia, DongGuan, GuangDong, P.R. China				
N	Written: So	go Su Approved: Approved:				
F	Reviewed:	y last Dou				
Γ	Date of issue: 2	024.01.01 Seal of CMC				
	CMC Tes	sting International (Shenzhen) Co., Ltd.				
The supplie	The supplier identified below generated this SDS using the CMC SDS template. CMC did not test, certify, or approve the substance described in this SDS,					
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Safety Data Sheet

(a) Product identifier				
	Lithium Ion Rechargeable	Weight	75.0g	
Name of Sample	Battery	Size (L×W×T)	(104.5×62.1×16.1) mm	
Model	CECALB523450			
(b) Other means of identification				
Synonyms: None				
(c) Recommended use of the chemical and restrictions on use				
Recommended use:	LITHIUM ION BATTERIES	1 ION BATTERIES		
Restriction on use:	No information available.	mation available.		
(d) Details of the supplier of the product				
Manufacturer Dongguan Golden CEL Battery Co., Ltd.				
Manufacturer's Address	No.11, Yinhu Industrial park, JiaoYiTangManagement Zone, TangXia, DongGuan, GuangDong, P.R. China			
Contact Person	Mr. Zhi			
E-mail	zhirongjian@celbattery.com			
Telephone:	+86-769-82195308-8016			
Fax:	+86-769-87982226			
(e) Emergency phon <mark>e</mark> number	+86-769-82195308-8016			
Section 2- Hazards Identification				
(a) Classification				
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR				
1910.1200) This product is an article which is a sealed battery and as such does not require an MSDS per the				
OSHA hazard communication standard unless ruptured. The hazards indicated are for a ruptured battery.				
Acute toxicity - Oral Category 4				
Acute toxicity - Dermal	Category 3			
Skin corrosion/irritation	Category 1 Sub-c	Category 1 Sub-category B		
Serious eye damage/eye irritation Category 1				

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Skin sensitization	Category 1	
Carcinogenicity	Category 2	
(repeated exposure)	Category 1	
Specific target organ toxicity	Cotogon (1	

(b) GHS Label elements, including precautionary statements

Emergency Overview

Signal word: Danger

Hazard Statements

Harmful if swallowed

Causes severe skin burns and eye damage

May cause an allergic skin reaction

Suspected of causing cancer

Causes damage to organs through prolonged or repeated exposure



This product is an article which contains a chemical substance. Safety information is given for exposure to the article as sold. Intended use of the product should not result in exposure to the chemical substance This is a battery. In case of rupture: the above hazards exist.

Appearance Black, White Grey	Physical State Solid Odor Odorless		
	Obtain special instructions before use		
	Do not handle until all safety precautions have been read and understood		
	Use personal protective equipment as required		
Precautionary Statements-	Wash face, hands and any exposed skin thoroughly after handling		
Prevention	Do not breathe dust/fume/gas/mist/vapors/spray		
	Do not eat, drink or smoke when using this product		
	Contaminated work clothing should not be allowed out of the workplace Wear protective gloves		
	IF EXPOSED OR CONNECTED: Get medical advice/attention. Specific treatment (see supplemental first aid/instruction on this label).		
Precautionary Statements-	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician.		
Response	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and water before reuse, if skin irritation or rash occurs: get medical advice/attention if feel unwell.		
	IF INHALATION: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing		
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	respiratory symptoms: Call a poison center or doctor/physician.		
	IF SWALLOWED: Rinse mouth, do not induce vomiting, call a poison center or doctor/physician if feel unwell.		
Precautionary Statements-			
Storage	Store locked up		
Precautionary Statements-	Diapage of contents/container to on enproved wests diapaged plant		
Disposal	Dispose of contents/container to an approved waste disposal plant		
(c) Hazards not otherwise	Net applicable		
classified (HNOC)	Not applicable		
(d) Unknown Toxicity			
(a) Other information	Very toxic to aquatic life with long lasting effects; Repeated or prolonged		
(e) Other information	skin contact may cause allergic reactions with susceptible persons.		
(f) Interactions with Other			
Chemicals	No information available.		

Section 3- Composition/Information on Ingredients

Chemical Name	CAS Number	Weight-%	Trade Secret
Lithium Cobalt Oxide (LiCoO ₂)	12190-79-3	37.47	*
Graph <mark>ite</mark>	7782-42-5	15.35	*
Copp <mark>e</mark> r	7440-50-8	10.36	*
Aluminum foil	7429-90-5	9.25	*
Polypropylene	9003-07-0	1.54	*
1,1-Difluoroethyl <mark>ene polymer</mark>	24937-79-9	1.52	*
Polyethylene	9002-88-4	3.15	*
Styrene-Butadiene polymer	9003-55-8	0.86	*
Carboxymethyl cellulose	9000-11-7	0.74	*
Nickel	7440-02-0	1.34	*
Phosphate(1-), hexafluoro-, lithium	21324-40-3	17.49	*
Nylon	24937-16-4	0.93	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

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Section 4- First Aid Measures

(a) Description of first aid measures				
General Advice	First aid is upon rupture of sealed battery.			
Eye contact:	ye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate mediatemediatemetic			
Skin contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is required. May cause an allergic skin reaction. Remove and isolate contaminated clothing and shoes.			
Inhalation:	Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately. Do not use mouth-to-mouth method, if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur. Get medical attention immediately if symptoms occur.			
Ingestion:	Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.			
Self-protection of the first aider:	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wear personal protective clothing (see section 8).			
(b) Most importan <mark>t sy</mark>	mptoms/effects, acute and delayed			
Most important symptoms and effects:	Itching. Coughing and/ or wheezing. Burning sensation.			
(c) Indication of any immediate medical attention and special treatment needed				
Notes to Physician	Treat symptomatically. May cause sensitization of susceptible persons.			
Section 5- Fire Fighting Measures				
(a) Extinguishing media				
Suitable extinguishing	Use extinguishing measures that are appropriate to local circumstances and the			
media:	surrounding environment.			
Unsuitable	CAUTION: Use of water spray when fighting fire may be inefficient.			
	extinguishing media:			
(b) Special hazards arising from the chemical				
The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. Product is or contains a sensitizer. May cause sensitization by skin contact.				
Hazardous	Carbon oxides.			
Combustion Products				
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	rocedures e adequate ventilation. Use persona sonnel to safe areas. Keep people					
Sensitivity to Static Discharge: (c) Special protective equipment and precautions for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, equivalent) and full protective gear. Section 6- Accidental Release Measures (a) Personal precautions, protective equipment and emergency preprior protective equipment as required. Evacuate personal Precautions: Personal Precautions: Personal Precautions: Refer to protective measures listed in Sections 7 (b) Environmental Precautions Refer to protective measures listed in Sections 7 and 8. Prevent further lead (c) Methods for Containment Methods for Containment Prevent further leakage or spillage if safe to do so. Containment Pick up and transfer to properly labeled containers. up Section 7- Handling and Storage (a) Precautions for safe handling Handle in accordance with good industrial hygier	MSHA/NIOSH (approved or rocedures a dequate ventilation. Use persona sonnel to safe areas. Keep people 7 and 8.					
As in any fire, wear self-contained breathing apparatus pressure-demand, equivalent) and full protective gear. Section 6- Accidental Release Measures (a) Personal precautions, protective equipment and emergency pr Personal Precautions: Personal Precautions: Avoid contact with skin, eyes or clothing. Ensure protective equipment as required. Evacuate pers away from and upwind of spill/leak. Other Information: Refer to protective measures listed in Sections 7 (b) Environmental Precautions Refer to protective measures listed in Sections 7 and 8. Prevent further lea (c) Methods and materials for containment and cleaning up Methods for Containment Methods for cleaning up Section 7- Handling and Storage (a) Precautions for safe handling Handle in accordance with good industrial hygier	rocedures e adequate ventilation. Use persona sonnel to safe areas. Keep people					
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Handle in accordance with good industrial hygier	Section 7- Handling and Storage					
Handle in accordance with good industrial hygier	(a) Precautions fo <mark>r safe handling</mark>					
Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.						
(b) Conditions for safe storage, including any incompatibilities						
Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.						
Incompatible Produc <mark>ts: Acids. Bases.</mark> Oxidizing agent.						
Section 8 - Exposure Controls/Personal Protection						
(a) Control parame <mark>ters</mark>						
Exposure Guidelines						
Exposure Guidelines ACGIH TLV OSHA PEL	NIOSH IDLH					
Lithium Cobalt Oxide TWA: 0.02 mg/m ³ - (LiCoO ₂) 12190-79-3	-					



Graphite 7782-42-5	TWA:1mg/m ³ respirable fraction all forms except graphite fibers	TWA: 15 mg/m ³ total dust synthetic TWA: 5 mg/m ³ respirable fraction Synthetic (vacated) TWA: 2.5 mg/m ³ respirable dust natural (vacated) TWA: 10 mg/m ³ total dust synthetic (vacated) TWA: 5 mg/m ³ respirable fraction synthetic TWA: 15 mppcf natural	IDLH: 1250 mg/m ³ TWA: 2.5 mg/m ³ respirable dust	
Phosphate(1-), hexafluoro-, lithium 21324-40-3	TWA:2.5mg/m ³ F	TWA:2.5mg/m ³ F TWA:2.5mg/m ³ dust (vacated)TWA:2.5mg/m ³		
Copper 7440-50-8	TWA:0.2mg/m ³ fume TWA:1mg/m ³ Cu dust and mist	TWA:0.1mg/m ³ fume TWA:1mg/m ³ dust and mist (vacated) TWA:0.1mg/m ³ Cu dust,fume,mist	IDLH:100mg/m ³ dust ,fume and mist TWA:1mg/m ³ dust and mist TWA:0.1mg/m ³ fume	
Aluminum foil 7429-90-5	TWA:1mg/m ³ respirable fraction	TWA:15mg/m ³ total dust TWA:5mg/m ³ respirable fraction (vacated) TWA:15mg/m ³ total dust (vacated) TWA:5mg/m ³ respirable fraction(vacated) TWA:5mg/m ³ AL Aluminum	TWA:10mg/m ³ total dust TWA:5mg/m ³ respirable dust	
Nickel 7440-02-0	TWA:1.5mg/m ³	TWA:1mg/m ³ (vacated) TWA:1 mg/m ³	IDLH:10mg/m ³ TWA:0.015mg/m ³	
ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control				
(b) Appropriate engine	parameters			
Engineering Measures	Showers Eyewash stations Ventilation system	s		
(c) Individual protection measures, such as personal protective equipment.				
Eye/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.		

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eat and Sui Hygiene Measures not and and after		Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. For environmental protection, remove and wash all contaminated protective equipment before re-use. No information available.				
Section 9- Physical an	d Chemic	cal Properties				
(a) Physical State						
Physical state:	Solie	d				
Appearance:	Blac	k, White Grey Odor:			Odorless	
, appearance.	Cub	oid				
Color:		ck, White Grey	Odor Threshold		No information available	
(b) Chemical Proper	ties					
Property			Values		Remarks/ Method	
рН		No data availab	No data available		None known	
Melting point/freezing p		No data availab	No data available		None known	
Initial Boiling Point And Boiling Range		No data availab	No data available		None known	
Flash Point		No data availab	No data available		nown	
Evaporation Rate		No data availab	No data available		nown	
Flammability (Solid, Gas)		No data availab	No data available		nown	
Upper/Lower Flammability Or Explosive Limits		No data availab	No data available			
Vapor Pressure		No data availab	le	None kr	nown	
Vapor Density		No data availab	o <mark>le ala a</mark> la ala ala ala ala ala ala ala al	None kr	nown	
Relative Density		No data availab	No data available		None known	
Solubility(les)		Insoluble in wat	Insoluble in water		None known	
Partition Coefficient: N-Octanol/Water		No data availab	No data available		None known	
Auto-Ignition Temperature		No data availab	No data available		None known	
Decomposition Temperature		No data availab	No data available		None known	
Kinematic viscosity		No data availab	No data available		None known	
Dynamic viscosity		No data availab	No data available		nown	
Explosive properties		No data availab	No data available			
Oxidizing Properties		No data availab	le			
(c) Other Information	า					
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Softening Point	No data available		
VOC Content (%)	No data available		
Particle Size	No data available		
Particle Size Distribution No data available			
Section 10 – Stability and Reactivity			

(a) Reactivity	No data available.
(b) Chemical stability	Stable under recommended storage conditions.
(c) Possibility of hazardous reactions	None under normal processing.
(d) Hazardous polymerization	Hazardous polymerization does not occur.
(e) Conditions to avoid	None known based on information supplied.
(f) Hazardous decomposition products	Carbon oxides.

Section 11 – Toxicolo	jical Information
(a) Information on	he likely routes of exposure
Product Information	Product does not present an acute toxicity hazard based on known or supplied information In case of rupture:
Inhalation	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye Contact	Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to eyes. May cause redness, itching, and pain. May cause temporary eye irritation.
Skin Contact	Specific test data for the substance or mixture is not available. Corrosive. (based on components). Causes burns. May be absorbed through the skin in harmful amounts. Harmful in contact with skin.
Ingestion	Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed.
Component Informa	tion

•			1	1			
Chemical Name		Oral LD50	Dermal LD50	Inhalation LC50			
Graphite 7782-42-5		> 10000 mg/kg (Rat)	_	_			
7782-42-5		> 10000 mg/kg (Kat)	-				
Nickel 7440-02-0		$\sim 0000 \text{ mg/kg}$ (Bot)					
7440-02-0		>9000 mg/kg(Rat)	-	-			
(b) Information on toxicological effects							

Symptoms Erythema (skin redness). May cause redness and tearing of the eyes. Itching.

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Ras	hes.	Hives.
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		Rasnes. Hives.								
(c) Delayed and im	media	ate effects as v	vell as chro	onic effe	cts from short an	d long-ter	m exposure			
Sensitization:		May cause sen contact.	ay cause sensitization of susceptible persons. May cause sensitization by skin ontact.							
Mutagenic Effects:		No information	available.							
Carcinogenicity:		The table below carcinogen.	ne table below indicates whether each agency has listed any ingredient as a arcinogen.							
Chemical Name		ACGIH	IAI	RC	NTP		OSHA			
Lithium Cobalt Oxide (LiCoO ₂) 12190-79-3		A3	Grou	ip 2B			x			
Nickel 7440-02-0			Grou	ıp 2B	Reasonably Anticip	pated	x			
ACGIH (American Conference of Governmental Industrial Hygienists) A3 - Animal Carcinogen IARC (International Agency for Research on Cancer) Group 2B - Possibly Carcinogenic to Humans Group 3 - Not Classifiable as to Carcinogenicity in Humans NTP (National Toxicology Program) Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen OSHA (Occupational Safety and Health Administration of the US Department of Labor) X - Present Reproductive Toxicity No information available. STOT - single exposure No information available. STOT - repeated Causes damage to organs through prolonged or repeated exposure. Based on classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), this product has been determined to cause systemic target organ toxicity from chronic or repeated exposure. (STOT RE). Chronic Toxicity Contains a known or suspected carcinogen. Avoid repeated exposure. Prolonged exposure may cause chronic effects. May cause adverse liver effects. Texed Opene Effects Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Central Vascular										
Target Organ Effects			System (CVS).Kidney. Liver. Lungs. Heart.							
Aspiration Hazard (d) Numerical measure	SUITAS	No information		nation		-				
The following values	are ca	alculated based of		ATEmix	(oral):					
chapter 3.1 of the GH	IS doo	cument		ATEmix	(dermal):					



Section 12-Ecological Information

(a) Ecotoxicity

Very toxic to aquatic life with long lasting effects.

- ,				
Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Copper	96h EC50: 0.031 - 0.054	96h LC50: 0.0068 - 0.0156		48h EC50: = 0.03
7440-50-8	mg/L (Pseudokirchneriella	mg/L (Pimephales romelas)		mg/L
	subcapitata) 72h EC50:	96h LC50: = 0.112 mg/L		
	0.0426 - 0.0535 mg/L	(Poecilia reticulata) 96h		
	(Pseudokirchneriella	LC50: = 0.3 mg/L (Cyprinus		
	subcapitata)	carpio) 96h LC50: =		
		0.8mg/L (Cyprinus carpio)		
		96h LC50: = 1.25 mg/L		
		(Lepomis macrochirus) 96h		
		LC50: =0.052 mg/L		
		(Oncorhynchus mykiss) 96h		
		LC50: = 0.2mg/L		
		(Pimephales promelas)		
		96h LC50: < 0.3 mg/L		
		(Pimephales promelas)		
Nickel	72h EC50: = 0.18 mg/L	96h LC50: > 100 mg/L		48h EC50: > 100
7440-02-0	(Pseudokirchneriella	(Brachydanio rerio) 96h		mg/L 48h EC50:
	subcapitata) 96h EC50:	LC50: = 1.3 mg/L (Cyprinus		= 1 mg/L
	0.174 - 0.311 mg/L	carpio) 96h LC50: = 10.4		
	(Pseudokirchneriella	mg/L (Cyprinus carpio)		
	subcapitata)			
(b) Persistence and Degradability	No information availab	ble.		
(c) Bioaccumulation	No information availal	ble		
(d) Other adverse effects	No information availab	ble.		

Section 13 – Disposal Considerations

(a) Waste treatmen	t methods
Disposal methods:	This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.
Contaminated Packaging:	Disposal should be in accordance with applicable regional, national and local laws and regulations.



(b) Proper shipping nameof 30% SoC) or; Lithium ion batterio or; Lithium ion batterio batteries).(c) Label(s) / Placard Required:Miscellaneous Lithium BATT(d) Special precautions with transport or convergence either with transport or convergence either with ICAO / IATA:Can be shipped by (ICAO), TI or Inter Instructions (PI) 96 of IATA DGR 65th	es that a	ding lithium ion pol	Wastes tate of California as a California Hazardous Wa Toxic Toxic Ignitable powder Ignitable powder Ignitable powder (including lithium ion p s (including lithium ion p	ed to a maximum polymer batteries)		
California Hazardous Waste Codes 141 This product contains one or more substanc Chemical Name Lithium Cobalt Oxide (LiCoO2) 12190-79-3 Copper 7440-50-8 Aluminum foil 7429-90-5 Nickel 7440-02-0 Section 14 – Transport Information (a) UN number 3480 & 3481 Lithium ion batteria of 30% SoC) or; Lithium ion batteria of 30% SoC) or; Lithium ion batteria of 30% SoC) or; Lithium ion batteria or; Lithium ion batteria of 30% SoC) or; Lithium ion batteria (b) Proper shipping Miscellaneous name Lithium ion batteria or; Lithium BATT (d) Special precautions which a user ne with transport or conveyance either with ICAO / IATA: Can be shipped by (ICAO), TI or Inter Instructions (PI) 90 of IATA DGR 65 th	es that a	re listed with the S	California Hazardous Wa Toxic Toxic Ignitable powder Ignitable powder Ignitable powder (including lithium ion p	ed to a maximum		
Chemical Name Lithium Cobalt Oxide (LiCoO2) 12190-79-3 Copper 7440-50-8 Aluminum foil 7429-90-5 Nickel 7440-02-0 Section 14 – Transport Information (a) UN number 3480 & 3481 Lithium ion batteria (a) UN number 3480 & 3481 (a) UN number (b) Proper shipping name Lithium ion batteria of 30% SoC) or; Lithium ion batteria of 30% SoC) or; Lithium ion batteria or; Lithium ion batteria Satteries). (c) Label(s) / Placard Required: Miscellaneous Lithium BATT (d) Special precautionum which a user nervice with transport or conveyance either with transport or conveyance	es (inclue es packe	ding lithium ion pol	California Hazardous Wa Toxic Toxic Ignitable powder Ignitable powder Ignitable powder (including lithium ion p	ed to a maximum		
Lithium Cobalt Oxide (LiCoO2) 12190-79-3 Copper 7440-50-8 Aluminum foil 7429-90-5 Nickel 7440-02-0 Section 14 – Transport Information (a) UN number 3480 & 3481 (a) UN number Jakao & 3481 (b) Proper shipping name Lithium ion batteria of 30% SoC) or; Lithium ion batteria or; Lithium ion batteria or; (c) Label(s) / Placard Required: Miscellaneous Lithium BATT (d) Special precautions which a user ne with transport or conveyance either with transport or conveyance either with instructions (PI) 96 of IATA DGR 65 th	es packe	ed with equipment	Toxic Toxic Ignitable powder Toxic powder Ignitable powder	ed to a maximum polymer batteries)		
12190-79-3 Copper 7440-50-8 Aluminum foil 7429-90-5 Nickel 7440-02-0 Section 14 – Transport Information (a) UN number 3480 & 3481 (b) Proper shipping name Lithium ion batterie of 30% SoC) or; (b) Proper shipping name Lithium ion batterie of 30% SoC) or; (c) Label(s) / Placard Required: Miscellaneous Lithium BATT (d) Special precautions which a user newith transport or convergence either with transport or convergence either with transport or convergence either with Instructions (PI) 96 of IATA DGR 65 th	es packe	ed with equipment	Toxic Ignitable powder Toxic powder Ignitable powder Ignitable powder (including lithium ion p	oolymer batteries)		
7440-50-8 Aluminum foil 7429-90-5 Nickel 7440-02-0 Section 14 – Transport Information (a) UN number 3480 & 3481 (a) UN number 3480 & 3481 (b) Proper shipping name Lithium ion batteria of 30% SoC) or; (c) Label(s) / Placard Required: Miscellaneous Lithium BATT (d) Special precautions which a user newith transport or convergence either with transport or conv	es packe	ed with equipment	Ignitable powder Toxic powder Ignitable powder	oolymer batteries)		
7429-90-5 Nickel 7440-02-0 Section 14 – Transport Information (a) UN number 3480 & 3481 Lithium ion batteria of 30% SoC) or; (b) Proper shipping name Lithium ion batteria of 30% SoC) or; (b) Proper shipping name Lithium ion batteria of 30% SoC) or; (c) Label(s) / Placard Required: Miscellaneous Lithium BATT (d) Special precautions which a user newith transport or conveyance either with transport or conveyance either wither transport or conveyance either with tra	es packe	ed with equipment	Toxic powder Ignitable powder	oolymer batteries)		
Nickel 7440-02-0 Section 14 – Transport Information (a) UN number 3480 & 3481 (a) UN number 3480 & 3481 (b) Proper shipping name Lithium ion batterio of 30% SoC) or; Lithium ion batterio or; Lithium ion batterio batteries). (c) Label(s) / Placard Required: Miscellaneous Lithium BATT (d) Special precautions which a user ne with transport or conveyance either with transport or conveyance either with ICAO / IATA: ICAO / IATA: Can be shipped by (ICAO), TI or Inter Instructions (PI) 96 of IATA DGR 65 th	es packe	ed with equipment	Ignitable powder	oolymer batteries)		
(a) UN number3480 & 3481(b) Proper shipping nameLithium ion batterie of 30% SoC) or; Lithium ion batterie or; Lithium ion batterie batteries).(c) Label(s) / Placard Required:Miscellaneous Lithium BATT(d) Special precautions with transport or conveyance either with (ICAO) / IATA:Can be shipped by (ICAO), TI or Inter Instructions (PI) 96 of IATA DGR 65th	es packe	ed with equipment	lymer batteries) (limite (including lithium ion p	oolymer batteries)		
(a) UN number3480 & 3481(b) Proper shipping nameLithium ion batterie of 30% SoC) or; Lithium ion batterie or; Lithium ion batterie batteries).(c) Label(s) / Placard Required:Miscellaneous Lithium BATT(d) Special precautions with transport or conveyance either with transport or conveyance either with (ICAO), TI or Inter Instructions (PI) 96 of IATA DGR 65thICAO / IATA:Can be shipped by (ICAO), TI or Inter Instructions (PI) 96 of IATA DGR 65th	es packe	ed with equipment	(including lithium ion p	oolymer batteries)		
(b) Proper shipping nameLithium ion batterio of 30% SoC) or; Lithium ion batterio or; Lithium ion batterio batteries).(c) Label(s) / Placard Required:Miscellaneous Lithium BATT(d) Special precautions with transport or conveyance either with transport or conveyance either with ICAO / IATA:Can be shipped by (ICAO), TI or Inter Instructions (PI) 90 of IATA DGR 65th	es packe	ed with equipment	(including lithium ion p	oolymer batteries)		
(b) Proper shipping nameof 30% SoC) or; Lithium ion batterio or; Lithium ion batterio batteries).(c) Label(s) / Placard Required:Miscellaneous Lithium BATT(d) Special precautions with transport or conveyance either with ICAO / IATA:Can be shipped by (ICAO), TI or Inter Instructions (PI) 96 of IATA DGR 65th	es packe	ed with equipment	(including lithium ion p	oolymer batteries)		
(b) Proper shipping nameLithium ion batterie or; Lithium ion batterie batteries).(c) Label(s) / Placard Required:Miscellaneous Lithium BATT(d) Special precautions with transport or convergence either with transport or convergence either with ICAO / IATA:Can be shipped by (ICAO), TI or Inter Instructions (PI) 96 of IATA DGR 65th						
(c) Label(s) / Placard Required: Miscellaneous Lithium BATT (d) Special precautions which a user new with transport or conveyance either with transport or conveyance either with ICAO / IATA: ICAO / IATA: Can be shipped by (ICAO), TI or Inter Instructions (PI) 96 of IATA DGR 65 th	es conta	ined in equipments	s (including lithium ion	polymer		
Required: Lithium BATT (d) Special precautions which a user new with transport or conveyance either with transport or conveyance e				1		
ICAO / IATA: ICAO / IATA ICAO / ICAO / IATA ICAO /						
ICAO / IATA: (ICAO), TI or Inter Instructions (PI) 96 of IATA DGR 65 th				h, in connection		
The batteries are	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 II and PI 967 Section II appropriate of IATA DGR 65 th (2024 Edition) for transportation.					
	The batteries are not restricted to IMDG Code 2022 Edition (Amdt 41-22) according to special provision 188.					
	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: Commission for E	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 2023.					
In addition, to be permitted in transport each tests set out in Subsection 38.3 of the UN M				the applicable		



Section	15 –	Regulatory	^r Information
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(a) International Inventories

TSCA:	Complies.
DSL:	All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

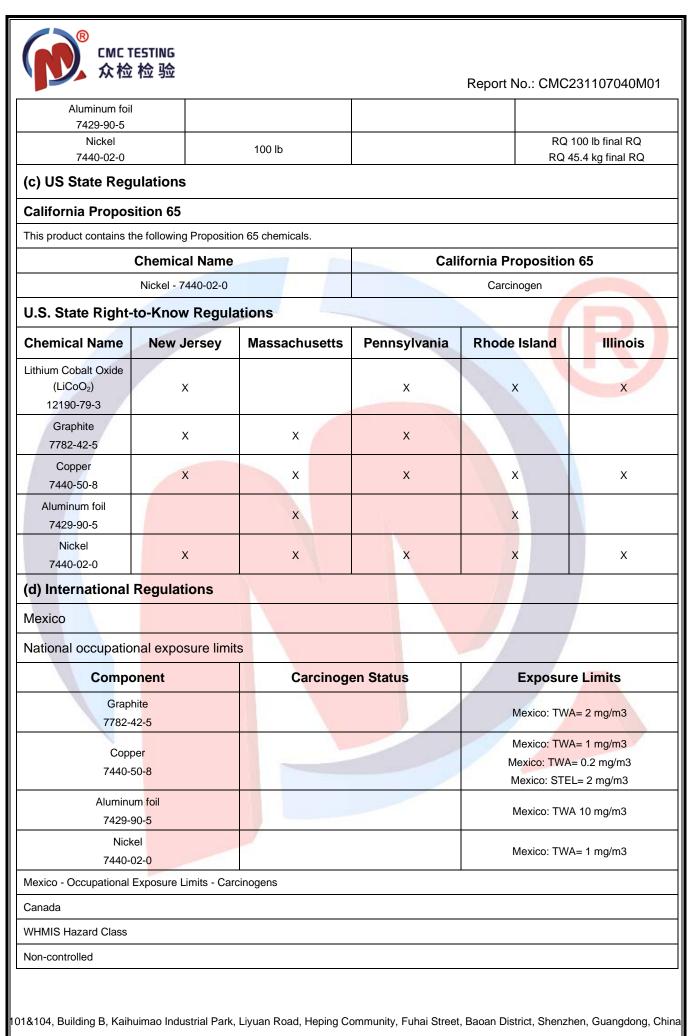
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

(b) US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS	S No	Weight-%		RA 313 – Threshold Values %
Lithium Cobalt Oxide (LiC	oO ₂) 12190)-79-3	37.47		0.1
Copper	7440	-50-8	10.36		1.0
Aluminum foil	7429	-90-5	9.25		1.0
Nickel	7440	-02-0	1.34		0.1
SARA 311/312 Haza	rd Categories				
Acute Health Hazard		0	No		
Chronic Health Hazar	d		No		
Fire Hazard			No		
Sudden release of pre	essure hazard		No		
Reactive Hazard			No		
CWA (Clean Water A	Act)			1	
This product contains the f CFR 122.42)	ollowing substances wh	nich are regulated p	ollutants pursua	ant to the Clean Wat	er Act (40 CFR 122.21 and 40
Chemical Name	CWA - Reporta Quantities		- Toxic utants	CWA - Priori Pollutants	ty CWA - Hazardous Substances
Copper 7440-50-8			х	Х	
Nickel 7440-02-0			Х	Х	
CERCLA		·			
This material, as supplied, Environmental Response (-		us substance under	the Comprehensive
Environmental Response Compensation and Liability Act (Cl Chemical Name RQs					RQ
Copper 7440-50-8	5	000 lb			RQ 5000 lb final RQ RQ 2270 kg final RQ
01&104, Building B, Kaihuim	ao Industrial Park, Liyu	ian Road, Heping C	ommunity, Fuh	ai Street, Baoan Dis	trict, Shenzhen, Guangdong, China
400-1668-320	inf	o@cmczj-lab.com		www.cmczj-lab.c	com 13 / 15





Section 16 –	Additional	l Informa	tion							
NFPA	Healt Hazar		1	Flammability	0	Instability	0	Physical and Chemical Hazards	-	
HMIS	Healt Hazar		0	Flammability	0	Physical Hazard	0	Personal Protection	x	
Revision Not	Revision Note: No information available									
Sample pho	oto:	/								
belief at the use, process specification.	date of its ing, storag The infor	s publica ge, transp rmation r	tion. portat elates	The information ion, disposal and s only to the spe	given i d releas ecific m	s designed only a se and is not to be	as a g consi d and	nowledge, information uidance for safe hand dered a warranty or qu may not be valid for s cified in the text.	ling, ality	
Testing laboratory: CMC Testing International (Shenzhen) Co., Ltd.										
Address 101	8.104 Buildin		-	-	-				an	
Address: 1018	x 104, Bullair	ıy ⊳, r∖ainu	imao II		n Road, dong, Ch		unai Stř	eet, Baoan District, Shenzhe	əri,	
	Те	l: 400-166	8-320	E-mail: info@cmcz	zj-lab.cor	n http://www.cmczj-l	ab.com	15 / 15		