

NO: VALUE-SDS004

1099 Wall Street West, Suite 179 Lyndhurst,

T/F +1 (877)MyNAVAC or 1 (877)696-2822 www.NavacGlobal.com

Date: 2020-12-29

# **SAFETY DATA SHEET**

Section 1. Chemical Product and Company Identification			
Products Name	Lithium-ion Battery		
Mode/Type reference	NBF2		
Nominal Voltage	7.4V		
Typical Capacity	2Ah		
Typical Power	14.8Wh		
Manufacture Name	Zhejiang VALUE Mechanical & Electrical Products CO.,LTD		
Address	jiulong Avenue, Western Industrial District, Wenling, Zhejiang, China		
Postcode	317500		
Emergency Telephone No.	0576-86992913		
Technical Support Telephone No.	0576-86992919		
Fax	0576-86992919		
E-mail	tong.haoqi@worldvalue.cn		
SDS Code	VALUE-SDS004		
Date Prepared	2020-12-29		

## **Section 2. Hazards Identification**

### 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.

Skin corrosion/irritation	Category 4
Serious eye damage/eye	Category4
Skin sensitization	Category3
Carcinogenicity	Category5
Specific target organ toxicity (repeated exposure)	Category3

## GHS Label elements, including precautionary statements

**Emergency Overview** 

Signal word: Danger **Hazard Statements** Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

May cause cancer

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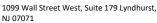
# **SAFETY DATA SHEET**



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 Gray	Physical State Solid	Odor Odorless		
	Obtain special instructions before use			
D	Do not handle until all safety precautions have	ve been read and understood		
	Use personal protective equipment as require	d		
Precautionary	Wash face, hands and any exposed skin thoro	oughly after handling		
Statements - Prevention	Contaminated work clothing should not be a	lowed out of the workplace		
rrevention	Wear protective gloves			
	Do not breathe dust/fume/gas/mist/vapors/sp	ray		
	Do not eat, drink or smoke when using this p	roduct		
	IF exposed or concerned: Get medical advice	e/attention		
	Specific treatment (see supplemental first aid	instructions on this label)		
D	IF IN EYES: Rinse cautiously with water for	several minutes. Remove contact		
Precautionary	lenses, if present and easy to do. Continue rin	nsing If eye irritation persists: Get		
Statements -	medical advice/attention			
Response	IF ON SKIN: Wash with plenty of soap and	water		
	Take off contaminated clothing and wash be	fore reuse		
	If skin irritation or rash occurs: Get medical	advice/attention		
Precautionary				
Statements -	Store locked up			
Storage				
Precautionary				
Statements -	Dispose of contents/container to an approved	waste disposal plant		
Disposal				
Hazards not				
otherwise	Not applicable			
classified	inot applicable			
(HNOC)				
Unknown				
Toxicity	-			



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Other	May be harmful if swallowed Very toxic to aquatic life with long lasting effects Repeated		
information	or prolonged skin contact may cause allergic reactions with susceptible persons		
Interactions			
with Other	No information available.		
Chemicals			

# Section 3. Composition/Information on Ingredients

	1	1	
Chemical Name	CAS Number	Weight-%	Trade Secret
Lithium Cobalt Dioxide	12190-79-3	12.5~13.5 %	
Lithium manganate	12057-17-9	12.5~13.5 %	
Nickel(III) oxide	1314-06-3	12.5~13.5 %	
Polyvinylidene fluoride (PVdF)	24937-79-9	0.5%~1.5%	
Aluminium foil	7429-90-5	3%~4%	
Graphite (C)	7440-44-0	17 %~19%	
Styrene Butadiene Rubber(SBR)	9003-55-8	≤1%	
Carboxy Methylated Cellulose(CMC)	9004-32-4	≤1%	
Copper foil	7440-50-8	6.5%~7.5%	
Polyethylene (PE)	9002-88-4	3.5%~4.5%	
Electrolyte (*)	21324-40-3/623-53-0	11%~14 %	
Iron(Fe)	7439-89-6	9%-10.5%	
Chromium(Cr)	7440-47-3	2%~2.5%	
Nickel(Ni)	7440-02-0	0.75~1.25%	

<sup>(\*)</sup> Main ingredients: Lithium hexafluorophosphate, organic carbonates.

## Section 4. First Aid Measures

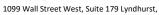
Section 4. 1 ii st i ii d ivicusures			
	First aid is upon rupture of sealed battery.		
	Eye contact: If symptoms persist, call a physician. Rinse immediately with plenty of water,		
	also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove		
	contact lenses, if present and easy to do.		
	Continue rinsing. Do not rub affected area.		
General Advice	<b>Skin contact:</b> Wash off immediately with soap and plenty of water for at least 15 minutes. In		
	the case of skin irritation or allergic reactions see a physician. May cause an allergic skin		
	reaction.		
	Inhalation: Remove to fresh air. If symptoms persist, call a physician. Get medical attention		
	immediately if symptoms occur.		

**Ingestion:** Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water.

<sup>\*</sup> The exact percentage (concentration) of composition has been withheld as a trade secret.

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	Never give anything by mouth to an unconscious person.		
	Call a physician.		
	<b>Self-protection of the first aider:</b> Avoid contact with skin, eyes or clothing. Use personal		
	protective equipment as required. Wear personal protective		
	clothing (see section 8).		
Most important			
symptoms and	Most important symptoms and effects: Itching. Coughing and/ or wheezing.		
effects, both acute and			
delayed			
Indication of any			
immediate medical	Notes to Physician: Treat symptomatically. May cause sensitization of susceptible persons.		
attention and			
special treatment			
needed			
Section 5. Fire 1	Fighting Measures		
Suitable extinguishing	Use extinguishing measures that are appropriate to local circumstances and the surrounding		
Media	environment.		
Unsuitable			
<b>Extinguishing Media</b>	CAUTION: Use of water spray when fighting fire may be inefficient.		
Specific Hazards			
arising from the	Product is or contains a sensitizer. May cause sensitization by skin contact.		
chemical			
Hazardous			
<b>Combustion Products</b>	Carbon oxides.		
	Sonsitivity to Machanical Impact: No		
<b>Explosion Data</b>	Sensitivity to Mechanical Impact: No.		
December 1	Sensitivity to Static Discharge: No.		
Protective Equipment	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH		
and precautions for	(approved or equivalent) and full protective gear.		
firefighters	<u> </u>		
Section 6. Accid	lental Release Measures		
Personal Precautions,	Personal Precautions: Avoid contact with skin, eyes or clothing. Ensure adequate		
protective equipment,	ventilation. Use personal protective equipment as required. Evacuate personnel to safe		
and emergency	areas.		
procedures	<b>Other Information:</b> Refer to protective measures listed in Sections 7 and 8.		
Environmental	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if		
Precautions	safe to do so.		
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Methods and material for containment and cleaning up	Methods for Containment: Prevent further leakage or spillage if safe to do so.  Methods for cleaning up: Pick up and transfer to properly labeled containers.		
Section 7 – Hand	dling and Storage		
Precautions for safe handling	<b>Handling:</b> In case of rupture. Use personal protection equipment. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Do not breathe dust/fume/gas/mist/vapors/spray.		
Conditions for safe storage, including any	Storage: Keep containers tightly closed in a dry, cool and well-ventilated place.		
incompatibilities	Incompatible Products: Strong acids. Strong oxidizing agents. Strong bases.		

# Section 8. Exposure Controls/Personal Protection

## **Control parameters**

**Exposure Guidelines** 

Exposure Guidelines  ACGIH TLV		OSHA PEL	NIOSH IDLH	
Lithium Consider (CoLiO2) 12190-79-3	obalt	TWA: 0.02 mg/m <sup>3</sup>		
Copper 7440-50-8		TWA:0.2mg/m³ fume TWA:1mg/m³ Cu dust and mist	TWA:0.1mg/m³ fume TWA:1mg/m³ dust and mist (vacated) TWA:0.1g/m³ Cu dust,fume,mist	IDLH:100mg/m³dust,fume and mist TWA:1 mg/m³dust and mist TWA: 0.1 mg/m³ fume
Aluminum 7429-90-5		TWA:1mg/m³ respirale frcation	TWA:15mg/m³ total dust TWA:5mg/m³ respirable fraction(vacated) TWA:15mg/m³ total dust(vacated) TWA:5mg/m³ respirable fraction(vacated) TWA:5mg/m³ AL Aluminum	TWA:10 mg/m³ total dust TWA:5mg/m³ respirable dust
Graphite 7782-42-5		TWA:2mg/m³ Respirable fraction all forms except graphite fibers	TWA:15mg/m³ total dust synthetic TWA:5mg/m³ respirable fraction synthetic TWA:2.5mg/m³ respirable dust natural(vacated) TWA:10mg/m³ total dust synthtic	IDLH:1250 mg/m³ TWA:2.5 mg/m³ respirable dust

<sup>\*</sup>ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value

OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH

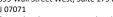
IDLH Immediately Dangerous to Life or Health

**Other Exposure Guidelines** 

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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 parameters

Engineering Controls	Keep away from heat and open flame.		
Ventilation	Not necessary under conditions of normal use. In case of abuse, use adequate mechanical ventilation (local exhaust) for the battery that vent gas or fumes.		
Respiratory Protection	Not necessary under conditions of normal use. If battery is burning, leave the area immediately. During fire fighting fireman should use self-contained breathing, full-face respiratory equipment. Fires may be fought but only from safe fire fighting distance, evacuate all persons from the area of fire immediately.		
Eye Protection	Not necessary under conditions of normal use. Use safety glasses with side shields if handling a leaking or ruptured battery.		
<b>Body Protection</b>	Not necessary under conditions of normal use. Use rubber apron and protective working in case of handling a leaking of ruptured battery.		
Protective Gloves	Not necessary under conditions of normal use. Use chemical resistant rubber gloves if handling a leaking or ruptured battery.		
Others  Use good chemical hygiene practice. Wash hands thoroughly after cleaning-up a battery spill caused by leaking battery. No eating, drinking, or smoking in batter storage area.			

## Section 9. Physical and Chemical Properties

Information on basic physical and chemical properties

State	No data available
Colour	No data available
Odor	No data available
Odor Threshold	No data available
рН	No data available
Melting / freezing point	No data available
Boiling point / boiling range	No data available
Flash Point	No data available
Evaporation Rate	No data available
Flammability (solid, gas)	No data available
Explosion Limits(vol% in air)	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific Gravity	No data available
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Water S	Solubility	No data available	
Solubility in other solvents		No data available	
Partition coefficient: n-octanol/water		ter 0.0001	
Autoignition temperature		130°C	
Decomposition	on temperature	No data available	
Kinemati	c viscosity	No data available	
Dynamic	viscosity	0.0001	
Explosive	properties	No data available	
Oxidizing	Properties	No data available	
Other Information			
Softeni	ng Point	No data available	
VOC Co	ontent (%)	No data available	
Partic	le Size	No data available	
Particle Size	e Distribution	No data available	
Section 10. Stability and Reactivity			
Stability	Stable		
Conditions to Avoid	Do not heat, throw into fire, disassemble, short circuit, immerse in water or overcharge, etc.		
Incompatibility	None during normal operation. Avoid exposure heat, open flame and corrosives.		
Hazardous Polymerization	Hazardous polymerization does not occur.		
Hazardous Decomposition Products	The battery may release irritative gas once the electrolyte leakage.		
Section 11. To	xicologica	l Information	
Information on likely r	outes of exposu	re	
Product Information  Product does not present an acute toxicity hazard based on known or supplied information. In case of rupture:.		duct does not present an acute toxicity hazard based on known or supplied ormation. In case of rupture:.	
Inhalation	Inhalation Specific test data for the substance or mixture is not available. No respiratory tract.		
Eye Contact	irri	cific test data for the substance or mixture is not available. Expected to be an ant based on components. Irritating to eyes. May cause redness, itching, and pain. y cause temporary eye irritation.	

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Skin Contact in		irritant	Specific test data for the substance or mixture is not available. Expected to be an irritant based on components. Irritating to skin. Prolonged contact may cause redness and irritation.			
Ingestion irri		irritatio	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.			
Component Informatio	Component Information					
Information on tox effects				<b>Symptoms:</b> Erythema (skin redness). May cause redness and tearing of the eyes. Itching. Rashes. Hives.		
Delayed and immediate as well as chronic effect short and long-term ex	sensitiz  Mutage  Carcine	ation by skin conta enic Effects: No in	nformation available. ble below indicates whether ea	·		
Chemical Name	Chemical Name ACGIH IARC NTP OSHA					
Lithium Cobalt Oxide (CoLiO2) A3 12190-79-3		Group 2B		X		

## ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

## IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

## 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.		
	Causes damage to organs through prolonged or repeated exposure. Based on		
STOT.	classification criteria from the 2012 OSHA Hazard Communication Standard (29		
STOT – repeated exposure	CFR 1910.1200), this product has been determined to cause systemic target organ		
	toxicity from chronic or repeated exposure. (STOT RE).		
Charania Tanisita	Contains a known or suspected carcinogen. Avoid repeated exposure. Prolonged		
Chronic Toxicity	exposure may cause chronic effects. May cause adverse liver effects.		
T 40 Dec 4	Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). Central Vascular		
Target Organ Effects	System (CVS).Kidney. Liver. Lungs. Heart.		
Aspiration Hazard	No information available.		

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### **NAVAC Inc.**

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## **SAFETY DATA SHEET**

Numerical measures of toxicity Product Information

The values which are on the right are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral)
ATEmix (dermal)

ATEmix (inhalation-dust/mist)

## Section 12. Ecological Information

### **Ecotoxicity**

Very toxic to aquatic life with long lasting effects

<b>Chemical Name</b>	Toxicity to Algae	Toxicity to Fish	Toxicity to	Daphnia Magna
			Microorganisms	(Water flea)
Copper	96h EC50: 0.031 - 0.054	96h LC50: 0.0068 - 0.0156		48h EC50: = 0.03 mg/L
7440-50-8	mg/L (Pseudokirchneriella	mg/L (Pimephales promelas)		
	subcapitata) 72h EC50:	96h LC50: = 0.112 mg/L(Poecilia reticulata)		
	0.0426 - 0.0535 mg/L	96hLC50: = 0.3 mg/L (Cyprinus carpio)		
	(Pseudokirchneriella	96h LC50: = 0.8mg/L (Cyprinus carpio)		
	subcapitata)	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)		

Persistence and Degradability	No information available.	
Bioaccumulation	No information available	
Other adverse effects	No information available	

## **Section 13. Disposal Considerations**

### Waste treatment methods

**Disposal methods:** This material, as supplied, is not a hazardous waste according to Federal regulations (40CFR 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: Dispose of in accordance with federal, state and local regulations.

### California Hazardous Waste Codes 141

This product contains one or more substances that are listed with the State of California as a hazardous waste

Chemical Name	California Hazardous Waste
---------------	----------------------------

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Lithium Cobalt Oxide (CoLiO2)	Toxic	
12190-79-3		
Copper	Toxic	
7440-50-8		
Aluminum	Ignitable powder	
7429-90-5		

## **Section 14. Transport Information**

The Li-Ion battery as stated in Appendix are made in compliance to the requirements stated in the latest edition of the IATA Dangerous Goods Regulations Packing Instruction 965 section II such that

they can be transported as a NOT RESTRICTED (non-hazardous/non-dangerous) goods. However, if those Li-Ion batteries are packed with or contained in an equipment, then it is the responsibility of the shipper to ensure that the consignment are packed in compliance to the latest edition of the IATA Dangerous Goods Regulations section II of either Packing Instruction 966 or 967.

With regard to transport, the following regulations are cited and considered:

- The International Civil Aviation Organization (ICAO) Technical Instructions, Packing instruction 965 or 966 or 967, section II (2019 Edition).
- The International Air transport Association (IATA) Dangerous Goods Regulations, Packing instruction 965 or 966 or 967, section II (60th Edition, 2019).
- Special provision 188 of the International Maritime Dangerous Goods (IMDG) Code (Amendment 38-16 Edition).
- The US Hazardous Materials Regulation 49 CRF (Code of Federal Regulations), sections 173-185 Lithium batteries and cells.
- The UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria 38.3 Lithium batteries, Rev.6.

These products are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to all the applicable international and national governmental regulations, not limited to the above mentioned. We further certify that the enclosed products have been tested and fulfilled the requirements and conditions in accordance with UN Recommendations (T1-T8) on the Transport of Dangerous Goods Model Regulations and the Manual of Tests and Criteria.

### Test results of the UN Recommendation on the Transport of Dangerous Goods

Manu	Manual of Test and Criteria (38.3 Lithium battery)				
No.	Test items	Test results	Remar		
			k		
T1	Altitude simulation	Pass			
T2	Thermal test	Pass			
T3	Vibration	Pass			
T4	Shock	Pass			
T5	External short circuit	Pass			

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Т6	Impact / Crush	Pass	
T7	Overcharge	Pass	
T8	Forced discharge	Pass	

## Additional Requirements for air transport:

- 1. Cells and batteries must be protected so as to prevent short circuits. This includes protection against contact with conductive materials within the same packaging that could lead to a short circuit.
- 2. Cells and batteries must be manufactured under a quality management program.
- 3. The Watt-hour rating must be marked on the outside of the battery case except those manufactured before 1 January 2009.
- 4. Cells and batteries must be packed in strong outer packagings. (applicable to PI 965 only)
- 5. Maximum number of cells per package must not be more than 8 cells. (applicable to PI 965 only)
- 6. Cells and batteries must be packed in inner packagings that completely enclose the cell or battery. To provide protection from damage or compression to the batteries, the inner packagings must be placed in a strong rigid outer packaging of one of the packaging types shown below.
- 7. Each package must be capable of withstanding a 1.2 m drop test in any orientation without (applicable to PI 965 only):
- ·damage to cells or batteries contained therein;
- ·shifting of the contents so as to allow battery to battery (or cell to cell) contact;
- ·release of contents.
- 8. Each consignment must be accompanied with a document with an indication that:
- ·the package contains lithium ion cells or batteries;
- the package must be handled with care and that a flammability hazard exists if the package is damaged;
- ·special procedures must be followed in the event the package is damaged, to include inspection and repacking if necessary; and a telephone number for additional information.
- 9. Each package must be labelled with a lithium battery handling label (Figure 7.4.H).
- 10. A Shipper's Declaration for Dangerous Goods is not required.
- 11. The words "Lithium ion batteries in compliance with Section II of PI 965" must be included on the air waybill, when an air waybill is used. The information should be shown in the "Nature and

Quantity of Goods" box of the air waybill. (applicable to PI 965 only)

- 12. Any person preparing or offering cells for transport must receive adequate instruction on these requirements commensurate with their responsibilities.
- 13. The equipment must be secured against movement within the outer packaging and must be equipped with an effective means of preventing accidental activation. (applicable to PI 966 only)
- 14. The maximum number of batteries in each package must be the minimum number required to power the equipment plus two spares. (applicable to PI 966 only)
- 15. The words "Lithium ion batteries in compliance with Section II of PI 966" must be included on the air waybill, when an air waybill is used. The information should be shown in the "Nature and Quantity of Goods" box of the air waybill. (applicable to PI 966 only).

## Section 15. Regulatory Information

### **Law Information**



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《California Proposition 65》

《Canadian Domestic Substances List/Non-Domestic Substances List》 (DSL/NDSL)

《Classification and code of dangerous goods》

《Code of Federal Regulations》(CFR)

《Consumer Product Safety Act》(CPSA)

《Dangerous Goods Regulation 56th Editon》

《Federal Environmental Pollution Control Act》 (FEPCA)

《International Maritime Dangerous Goods 38-16 Editon》

《Occupational Safety and Health Act》 (OSHA)

《Recommendations on Transport of Dangerous Goods Model Regulations》

《Resource Conservation and Recovery Act》 (RCRA)

《Safety Drinking Water Act》 (CWA)

《Superfund Amendments and Reauthorization Act III(302/311/312/313)》(SARA)

《Technical Instructions for the Safe Transport of Dangerous Goods》

《The Oil Pollution Act》 (OPA)

《Toxic Substances Control Act》 (TSCA)

《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 No	Weight-%	SARA 313 – Threshold Values %
Lithium Cobalt Oxide(LiCoO <sub>2</sub> )	12190-79-3	40%~44%	0.1
Copper Foil	7440-50-8	8%~11%	1.0
Aluminum Foil	7429-90-5	4%~6%	1.0

### SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

### **CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA -Reportable	CWA - Toxic	CWA - Priority	CWA -Hazardous
	Quantities	Pollutants	Pollutants	Substances
Copper Foil		_	_	
7440-50-8		^	^	

## CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance



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under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40CFR 302)

	1 1	•	
Chemical Name	Hazardous	Extremely Hazardous	RQ
	Substances RQs	Substances RQs	KQ
Copper Foil	50001b		RQ 5000 lb final RQ
7440-50-8	300010		RQ 2270 kg final RQ

## U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Lithium Cobalt Dioxide	X		X	X	X
(LiCoO <sub>2</sub> ) 12190-79-3	Λ		Λ	Λ	Λ
Graphite 7782-42-5	X	X	X		
Copper	X	X	X	X	X
7440-50-8					
Aluminum	X	X	X	X	
7429-90-5	Λ				

## **International Regulations**

### Mexico

### National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Copper Foil 7440-50-8		Mexico: TWA=1 mg/m <sup>3</sup>
		Mexico: TWA=0.2 mg/m <sup>3</sup>
		Mexico: STEL=2 mg/m <sup>3</sup>
Aluminum Foil 7429-90-5		Mexico: TWA=10mg/m <sup>3</sup>
Graphite 7782-42-5		Mexico: TWA= 2 mg/m <sup>3</sup>

Mexico - Occupational Exposure Limits - Carcinogens

### Canada

## WHMIS Hazard Class

Non-controlled

Chemical Name	NPRI
Aluminum	X

In accordance with all Federal, State and local laws.

## **Section 16. Other Information**

NFPA	Health Hazards 1	Flammability 0	Instability 0	Physical and
HMIS	Health Hazards 0	Flammability 0	Instability 0	Chemical Hazards -
				Personal Protection X

**Revision Date: 2020-12-29** 

Revision Note: No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the



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# **SAFETY DATA SHEET**

NO: VALUE-SDS004

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---End of Safety Data Sheet---