SAFETY DATA SHEET

Issuing Date 25-Jul-2019

Revision Date 07-Feb-2019

Revision Number 1

NGHS / English



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1. IDENTIFICATION

Product identifier		
Product Name	BL-T41 - 3.87v Typ.3 500mAh Rechargeable Li-ion Battery	
Other means of identification		
Product Code(s)	1502870	
Recommended use of the chemica	l and restrictions on use	
Recommended Use	LITHIUM ION BATTERIES	
Restrictions on use	No information available	
Details of the supplier of the safety	/ data sheet	
Supplier Identification	Donghwa ES co., Itd	
Address	184, Baumoe-ro, Seocho-gu, Seoul. Hyangcheon BLDG 4F Seocho-gu SEOUL 06747 KR	
Telephone	Phone:+8227325775 Fax:+8227325774	
E-mail	kjm@tcdonghwa.co.kr	
Emergency telephone number		
Company Emergency Phone Number	+8227325775	

2. HAZARDS IDENTIFICATION

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 3
Skin corrosion/irritation	Category 2



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Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 1

This is a battery. In case of rupture: the above hazards exist.

Appearance No information available	Physical state Solid containing liquid	Odor No information available
	Solid	

GHS Label elements, including precautionary statements

Danger

Hazard statements Harmful if swallowed Toxic in contact with skin Causes skin irritation Causes serious eye damage May cause an allergic skin reaction May cause cancer Causes damage to organs through prolonged or repeated exposure



Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Contaminated work clothing must not be allowed out of the workplace

Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

Specific treatment (see supplemental first aid instructions on this label) Eves

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

Skin

IF ON SKIN: Wash with plenty of water and soap

Call a POISON CENTER or doctor if you feel unwell

Take off immediately all contaminated clothing and wash it before reuse

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

Ingestion

IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell Rinse mouth

Precautionary Statements - Storage



Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other information

Very toxic to aquatic life with long lasting effects.

Unknown acute toxicity

100 % of the mixture consists of ingredient(s) of unknown toxicity

79 % of the mixture consists of ingredient(s) of unknown acute oral toxicity 92 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry #)	Date HMIRA filed and date exemption granted (if applicable)
Lithium Cobalt Oxide (CoLiO2)	12190-79-3	31	-	-
Graphite	7782-42-5	20	-	-
Propylene carbonate	108-32-7	13	-	-
Copper	7440-50-8	10	-	-
Aluminum	7429-90-5	5	-	-
1,3-Propane sultone	1120-71-4	5	-	-
Phosphate(1-), hexafluoro-, lithium	21324-40-3	3	-	-
Nickel	7440-02-0	1	-	-

4. FIRST AID MEASURES

First aid measures	
General advice	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required. IF exposed or concerned: Get medical advice/attention. First aid is upon rupture of sealed battery.
Inhalation	Remove to fresh air. Get medical attention immediately if symptoms occur.
Eye contact	Get immediate medical advice/attention. 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.
Skin contact	Get immediate medical advice/attention. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction.



Ingestion	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.	
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing.	
Most important symptoms and effects, both acute and delayed		
Symptoms	Burning sensation. Itching. Rashes. Hives.	
Indication of any immediate medical attention and special treatment needed		
Note to physicians	May cause sensitization in susceptible persons. Treat symptomatically.	

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.	
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.	
Specific hazards arising from the chemical	Product is or contains a sensitizer. May cause sensitization by skin contact.	
Hazardous Combustion Products	Carbon oxides.	
Explosion Data Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.		
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.	

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.	
Other Information	Refer to protective measures listed in Sections 7 and 8.	
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.	



7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling In case of rupture: Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Take off contaminated clothing and wash before reuse. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical name	ACGIH T	ĽV	0	SHA PEL		NIOSH IDI	H
Lithium Cobalt Oxide (CoLiC 12190-79-3	,	5		-			
Graphite	TWA: 2 mg/m ³		TWA: 15	/A: 15 mg/m ³ total dust		IDLH: 1250 mg/m ³	
7782-42-5	particulate matte			ynthetic	TWA	A: 2.5 mg/m ³	respirable
	except graphi	except graphite fibers		ng/m ³ respirable		dust	
				on synthetic			
				TWA: 2.5 mg/m ³			
				le dust natural			
				VA: 10 mg/m ³ total t synthetic			
) TWA: 5 mg/m ³			
				fraction synthetic			
				5 mppcf natural			
Copper	TWA: 0.2 mg/r	n³ fume		1 mg/m ³ fume	IDLH	l: 100 mg/m ³	dust. fume
7440-50-8	- J.		TWA: 1 mg/m ³ dust and mist			and mist	
			(vacated) T	WA: 0.1 mg/m ³ Cu	TWA:	: 1 mg/m³ du	st and mist
			dust	fume, mist	T\	NA: 0.1 mg/m	³ fume
Aluminum	5	TWA: 1 mg/m ³ respirable		mg/m ³ total dust		A: 10 mg/m³	
7429-90-5	particulate r	natter		ng/m ³ respirable	TWA:	5 mg/m ³ res	pirable dust
				fraction			
			(vacated) IV	VA: 15 mg/m ³ total			
			(veceted)	dust) TWA: 5 mg/m³			
				able fraction			
Phosphate(1-), hexafluoro-	, TWA: 2.5 m	n/m ³ F		2.5 mg/m ³ F		IDLH: 250 mg	u/m ³ F
lithium	, 100A. 2.5 mg/m*1		(vacated) TWA: 2.5 mg/m ³				
21324-40-3			(racatod)	1 117 (l. 2.10 mg/m			
Nickel	TWA: 1.5 n	TWA: 1.5 mg/m ³		A: 1 mg/m ³		IDLH: 10 mg	g/m ³
7440-02-0		5) TWA: 1 mg/m ³		TWA: 0.015 n	ng/m³
Chemical name	Alberta	British C	Columbia	Ontario TWAE		Quel	
Lithium Cobalt Oxide	TWA: 0.02 mg/m ³	TWA: 0.0	02 mg/m³	TWA: 0.02 mg/i	m ³	TWA: 0.0	2 mg/m³
(CoLiO2)							
12190-79-3	T\//A + Q === = = /== 2				2		
Graphite	TVVA: 2 mg/m ³	TWA: 2 mg/m ³ TWA: 2		mg/m ³ TWA: 2 mg/m ³		TWA: 2	mg/m³

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7782-42-5				
Copper 7440-50-8	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ TWA: 0.2 mg/m ³	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³	TWA: 0.2 mg/m ³ TWA: 1 mg/m ³
Aluminum 7429-90-5	TWA: 10 mg/m ³	TWA: 1.0 mg/m ³	TWA: 1 mg/m ³	TWA: 10 mg/m ³
1,3-Propane sultone 1120-71-4		TWA:	TWA:	
Phosphate(1-), hexafluoro-, lithium 21324-40-3	TWA: 2.5 mg/m ³			
Nickel 7440-02-0	TWA: 1.5 mg/m ³	TWA: 0.05 mg/m ³	TWA: 1 mg/m ³	TWA: 1 mg/m ³

Other Exposure Guidelines

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.

Appropriate engineering controls

Engineering controls

Showers Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection	Tight sealing safety goggles.
Hand protection	Wear suitable gloves. Impervious gloves.
Skin and body protection	Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.
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.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties Physical state Appearance Odor Color Odor Threshold	Solid containing liquid; Solid No information available No information available No information available No information available	
Property	Values	Remarks Method
pH	No data available	None known
Melting / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	No data available	None known
Evaporation Rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit	No data available	



Lower flammability limit	No data available	
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Relative density	No data available	None known
Water Solubility	Insoluble in water	
Solubility(ies)	No data available	None known
Partition coefficient: n-octanol/wate	erNo information available	
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Other Information		
Explosive properties	No information available	
Oxidizing properties	No information available	
Softening Point	No information available	
Molecular Weight	No information available	
VOC Content (%)	No information available	
Liquid Density	No information available	
Bulk Density	No information available	
Particle Size	No information available	
Particle Size Distribution	No information available	

10. STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous Polymerization	Hazardous polymerization does not occur.
Conditions to avoid	None known based on information supplied.
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.

Hazardous Decomposition Products Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on 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. Causes serious eye damage. (based on components). Severely irritating to eyes. May cause burns. May cause irreversible damage to eyes.
Skin contact	Specific test data for the substance or mixture is not available. May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation. Toxic in contact with

	skin.		
Ingestion		ubstance or mixture is not availal nausea, vomiting and diarrhea. Ha	
Information on toxicological ef	fects		
Symptoms	Redness. Burning. May cate tearing of the eyes.	ause blindness. Itching. Rashes. I	Hives. May cause redness and
Numerical measures of toxicity	<u>/</u>		
Acute Toxicity			
The following values are calculated based on chapter 3.1 of the GHS document .ATEmix (oral)1,276.70 mg/kgATEmix (dermal)550.00 mg/kg			
Unknown acute toxicity100 % of the mixture consists of ingredient(s) of unknown toxicity79 % of the mixture consists of ingredient(s) of unknown acute oral toxicity92 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)			
Component Information			
Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Lithium Cobalt Oxide (CoLiO2)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 5.05 mg/L (Rat)4 h
Graphite	-	-	> 2000 mg/m³ (Rat)4 h
Duanulana aavkanata	20000 m m/l(m (Dat))	2000 m a/lea (Dahhit)	

Lithium Cobalt Oxide (CoLiO2)	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	> 5.05 mg/L (Rat)4 h
Graphite	-	-	> 2000 mg/m³ (Rat)4 h
Propylene carbonate	= 29000 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	-
1,3-Propane sultone	= 100 mg/kg (Rat) = 157	-	-
	mg/kg (Rat)		
Nickel	> 9000 mg/kg (Rat)	-	> 10.2 mg/L (Rat)1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Classification based on data available for ingredients. Irritating to skin.	
Serious eye damage/eye irritation	Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.	
Respiratory or skin sensitization	May cause sensitization by skin contact.	
Germ cell mutagenicity	No information available.	
Carcinogenicity	Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.	

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Lithium Cobalt Oxide (CoLiO2) 12190-79-3	A3	Group 2B	Reasonably Anticipated	Х
1,3-Propane sultone 1120-71-4	A3	Group 2A	Reasonably Anticipated	Х
Nickel	-	Group 2B	Reasonably Anticipated	Х

7440-02-0		

Legend					
`	ference of Governmental Industrial Hygienists)				
A3 - Animal Carcinoge					
	ency for Research on Cancer)				
Group 2A - Probably C	0				
Group 2B - Possibly C					
NTP (National Toxico					
	 Reasonably Anticipated to be a Human Carcinogen 				
OSHA (Occupational	afety and Health Administration of the US Department of Labor)				
X - Present	X - Present				
Reproductive toxicity	No information available.				
STOT - single exposure	STOT - single exposure No information available.				
STOT reported experies	Courses domage to organe through prolonged or reported overaging				
STOT - repeated exposu	Causes damage to organs through prolonged or repeated exposure.				
Aspiration hazard	Aspiration hazard No information available.				

12. ECOLOGICAL INFORMATION

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical name	Toxicity to Algae	Toxicity to Fish	Toxicity to	Daphnia Magna (Water
			Microorganisms	Flea)
Propylene carbonate	72h EC50: > 500 mg/L	96h LC50: = 5300 mg/L	EC50 > 10000 mg/L 17 h	48h EC50: > 500 mg/L
	(Desmodesmus	(Leuciscus idus) 96h		
	subspicatus)	LC50: > 1000 mg/L		
		(Cyprinus carpio)		
Copper	96h EC50: 0.031 - 0.054	96h LC50: = 1.25 mg/L	-	48h EC50: = 0.03 mg/L
	mg/L	(Lepomis macrochirus)		5
	(Pseudokirchneriella	96h LC50: 0.0068 -		
	`	0.0156 mg/L (Pimephales		
	0.0426 - 0.0535 mg/L	promelas) 96h LC50: <		
	(Pseudokirchneriella	0.3 mg/L (Pimephales		
	subcapitata)	promelas) 96h LC50: =		
		0.112 mg/L (Poecilia		
		reticulata) 96h LC50: =		
		0.052 mg/L		
		(Oncorhynchus mykiss)		
		96h LC50: = 0.3 mg/L		
		(Cyprinus carpio) 96h		
		LC50: = 0.2 mg/L		
		(Pimephales promelas)		
		96h LC50: = 0.8 mg/L		
		(Cyprinus carpio)		
Nickel	96h EC50: 0.174 - 0.311	96h LC50: = 10.4 mg/L		48h EC50: = 1 mg/L 48h
INICKEI	mg/L	(Cyprinus carpio) 96h	-	EC50: > 100 mg/L
		LC50: > 100 mg/L		LC50. > 100 mg/L
	(Pseudokirchneriella	5		
	subcapitata) 72h EC50: =	(Brachydanio rerio) 96h		
	0.18 mg/L	LC50: = 1.3 mg/L		
	(Pseudokirchneriella	(Cyprinus carpio)		
	subcapitata)			

Persistence and Degradability

No information available.



Bioaccumulation

Component Information

Chemical n	ame	Log Pow
Propylene car	bonate	0.48
Mobility	No information available.	
Other adverse effects No information available.		
	13. DISPOSAL CO	ONSIDERATIONS
Waste treatment methods		
Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.	
Contaminated packaging	Do not reuse empty containers.	
California 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
Lithium Cobalt Oxide (CoLiO2)	Toxic
12190-79-3	
Copper 7440-50-8	Toxic
Aluminum 7429-90-5	Ignitable powder
Nickel	Toxic powder
7440-02-0	Ignitable powder

14. TRANSPORT INFORMATION

Note:

The transportation of primary lithium cells and batteries is regulated by the International Civil Aviation Organization, International Air Transport Association, International Maritime Dangerous Goods Code and the US Department of Transportation. The batteries must meet the following criteria for shipment: 1. Air shipments must meet the requirements listed in Special Provision A45 of the International Air Transport Association Dangerous Goods Regulations. 2. Meet the requirements for the US Department of Transport association Dangerous listed in 49 CFR 173.185. 3. The transport of primary lithium batteries is prohibited aboard passenger aircraft. Refer to the Federal Register December 15, 2004 (Hazardous Materials; Prohibited on the Transportation of Primary Lithium Batteries and Cells Aboard Passenger Aircraft; Final Rule)

Lithium batteries shipped as "Lithium batteries", "Lithium batteries packed with equipment", or "Lithium batteries contained in equipment" may not be classified as "Dangerous Goods" when shipped in accordance with "special provision A45 of IATA-DGR" or "special provision 188 of IMO-IMDG Code"

DOT	NOT REGULATED
Proper Shipping Name	NON-REGULATED
Hazard Class	N/A
Emergency Response Guide	147



Number	
TDG	Not regulated
<u>MEX</u>	Not regulated
ICAO	Not regulated
IATA Proper Shipping Name Hazard Class	Not regulated NON REGULATED N/A
IMDG/IMO Hazard Class EmS-No. Marine Pollutant	Not regulated N/A F-A, S-I This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO
RID	Not regulated
ADR	Not regulated
ADN	Not regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Regulations

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Ozone-depleting substances (ODS) Not applicable

Persistent Organic Pollutants Not applicable

Export Notification requirements Not applicable

Contact supplier for inventory compliance status.
Contact supplier for inventory compliance status.

Legend

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

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

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

US Federal Regulations

<u>SARA 313</u>

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 (CoLiO2) - 12190-79-3	12190-79-3	31	0.1
Copper - 7440-50-8	7440-50-8	10	1.0
Aluminum - 7429-90-5	7429-90-5	5	1.0
1,3-Propane sultone - 1120-71-4	1120-71-4	5	0.1
Nickel - 7440-02-0	7440-02-0	1	0.1

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

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 Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Copper		Х	Х	
7440-50-8		X	Y	
Nickel		X	X	
7440-02-0				

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Copper	5000 lb		RQ 5000 lb final RQ
7440-50-8			RQ 2270 kg final RQ
1,3-Propane sultone	10 lb		RQ 10 lb final RQ
1120-71-4			RQ 4.54 kg final RQ
Nickel	100 lb		RQ 100 lb final RQ
7440-02-0			RQ 45.4 kg final RQ

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical name	California Proposition 65
1,3-Propane sultone - 1120-71-4	carcinogen, 1/1/1988
Nickel - 7440-02-0	carcinogen, 10/1/1989 (metallic)

U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations.

Chemical name	New Jersey	Massachusetts	Pennsylvania	Rhode Island	Illinois
Lithium Cobalt Oxide (CoLiO2)	Х		Х	Х	Х
12190-79-3					
Graphite 7782-42-5	Х	Х	Х		



Copper 7440-50-8	Х	X	Х	Х	Х
Aluminum 7429-90-5	Х	X	Х	Х	
1,3-Propane sultone 1120-71-4	Х	X	Х	Х	Х
Phosphate(1-), hexafluoro-, lithium 21324-40-3	Х				
Nickel 7440-02-0	Х	X	Х	Х	Х

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards 1	Flammability 0	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 0	Flammability 0	Physical hazards 0	Personal Protection X
Prepared By				
Issuing Date	25-Jul-20	19		
Revision Date	07-Feb-20	019		
Revision Note	No inform	ation available		

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet