

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 10/5/2022 Version: 1.0

SECTION 1: Identification	
1.1. Identification	
Product form Product name	: Article : 8M6010612
1.2. Recommended use and restrictions on	use
Use of the substance/mixture	: Electrical batteries and accumulators
<b>1.3. Supplier</b> Mercury Marine© Fond du Lac Wisconsin, 54936-1939 www.mercurymarine.com/sds - www.mercurymarine.	<u>.com</u>
1.4. Emergency telephone number	
Emergency number	: CHEMTREC Emergency:800-424-930024 Hours a Day / 24 heures par jour703-527-3887International Calls / Appels internationaux
SECTION 2: Hazard(s) identification	
2.1. Classification of the substance or mixtu GHS US classification Not classified	ure
2.2. GHS Label elements, including precaut	ionary statements
GHS US labeling Precautionary statements (GHS US)	: P103 - Read label before use.
2.3. Other hazards which do not result in cla	assification
Other hazards which do not result in classification	: No hazards in case of an intact battery and using according the instructions. The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful.

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	GHS US classification
cobalt lithium manganese nickel oxide	CAS-No.: 346417-97- 8	< 30	Skin Sens. 1, H317 Carc. 2, H351
Graphite	CAS-No.: 7782-42-5	< 15	Not classified

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Name	Product identifier	Conc. (% w/w)	GHS US classification
Ethylene carbonate	CAS-No.: 96-49-1	< 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 STOT RE 2, H373
Lithium hexafluorophosphate(1-)	CAS-No.: 21324-40-3	< 5	Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314 STOT RE 1, H372

Full text of hazard classes and H-statements : see section 16

#### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: This information is of relevance only if the battery is broken and this results in a direct contact with the ingredients. If medical advice is needed, have product container or label at hand. Seek medical attention immediately. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Remove/Take off immediately all contaminated clothing. Get immediate medical advice/attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. immediate medical advice. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting without medical advice. immediate medical advice.
4.2. Most important symptoms and effects (a	acute and delayed)
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: Inhalation of material from a sealed battery is not an expected exposure route. Vapors or mists from a ruptured battery may cause respiratory irritation.
Symptoms/effects after skin contact	: Contact between the battery and skin will not cause any harm. Skin contact with positive and negative terminals of high voltages may cause burns to the skin. Skin contact with a ruptured or shorted battery can cause chemical burns or irritation upon contact with the skin.
Symptoms/effects after eye contact	: Contact between the battery and eye will not cause any harm. Eye contact with the contents of a ruptured battery can cause severe irritation to the eye.
Symptoms/effects after ingestion	: Swallowing of material from a sealed battery is not an expected exposure route. Swallowing mists from a ruptured battery may cause respiratory irritation, chemical burns of the mouth and gastrointestinal tract irritation.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures		
5.1. Suitable (and unsuitable) extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	<ul><li>Dry powder. Carbon dioxide. Sand.</li><li>Water.</li></ul>	
5.2. Specific hazards arising from the cher	nical	
Explosion hazard Hazardous decomposition products in case of fire	<ul> <li>Explosion risk in case of fire.</li> <li>Toxic fumes may be released. Carbon oxides (CO, CO2).</li> </ul>	

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#### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting

: Do not enter fire area without proper protective equipment, including respiratory protection. acidresistant protective clothing.

SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures		
6.1.1. For non-emergency personnel		
Emergency procedures	: Ventilate spillage area.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for co	ntainment and cleaning up	
Methods for cleaning up	• Mochanically receiver the product	

Methods for cleaning up	:	Mechanically recover the product.
Other information	:	Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see item 13.

SECTION 7: Handling and storage			
7.1. Precautions for safe handling			
Precautions for safe handling	: The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful. Concerning personal protective equipment to use, see item 8. Provide good ventilation in process area to prevent formation of vapor.		
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.		
7.2. Conditions for safe storage, including any incompatibilities			
Technical measures	: Charging: There is a possible risk of electric shock from charging equipment and from strings of series connected batteries, whether or not being charged. Shut-off power to chargers whenever not in use and before detachment of any circuit connections. Batteries being charged will generate and release flammable hydrogen gas. Charging space should be ventilated. Keep battery vent caps in position.		
Storage conditions	<ul> <li>Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.</li> </ul>		
Incompatible products	: Strong bases. Strong acids. Strong oxidizing agent.		

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

8M6010612

No additional information available

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	ese nickel oxide (34641	1-91-0)		
No additional information available				
Graphite (7782-42-5)				
USA - ACGIH - Occupational Exposure Limits				
Local name	Local name Graphite (all forms excepte graphite fibers)			
ACGIH OEL TWA		2 mg/m <sup>3</sup> (R - Respirable particu	llate matter)	
Remark (ACGIH)		TLV® Basis: Pneumoconiosis		
Regulatory reference		ACGIH 2022		
USA - OSHA - Occupatior	nal Exposure Limits	-		
Local name		Graphite (Natural)		
OSHA PEL (TWA) [1]		15 mg/m³		
OSHA PEL (TWA) [2]		15 mppcf		
Remark (OSHA)		Table Z-3. CAS No. source: eC	FR Table Z-1.	
Regulatory reference (US-0	OSHA)	OSHA Annotated Table Z-3 Min	neral Dusts	
USA - NIOSH - Occupatio	nal Exposure Limits	-		
NIOSH REL (TWA) 2.5 mg/m <sup>3</sup>				
Remark (NIOSH) (respirable dust)				
Ethylene carbonate (96	6-49-1)			
No additional information a	vailable			
Lithium hexafluoropho	osphate(1-) (21324-40-3)			
No additional information a	vailable			
8.2. Appropriate engine	ering controls			
Appropriate engineering controls: Ensure good ventilation of the work station. hazards in case of damaged / ruptured battery.Environmental exposure controls: Avoid release to the environment.				
8.3. Individual protection	on measures/Personal	protective equipment		
Personal protective equip Gloves. protective clothing.				
Hand protection:				
Protective gloves				
				1

Wear suitable protective clothing

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#### **Respiratory protection:**

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of inadequate ventilation wear respiratory protection. EN 143

#### Personal protective equipment symbol(s):



#### Other information:

Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

#### **SECTION 9: Physical and chemical properties**

#### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: cylindrical cells.
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
рН	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

#### 9.2. Other information

No additional information available

#### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No additional information available

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#### 10.4. Conditions to avoid

The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful. Do not immerse in water, short circuit or overcharge. Keep away from heat and direct sunlight.

#### 10.5. Incompatible materials

Strong acid. Strong bases. Strong oxidizing agent.

#### 10.6. Hazardous decomposition products

Explosion risks of vapors.

SECTION 11: Toxicological inform	nation
11.1. Information on toxicological eff	ects
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Ethylene carbonate (96-49-1)	
ATE US (oral)	500 mg/kg body weight
Lithium hexafluorophosphate(1-) (21	324-40-3)
ATE US (oral)	100 mg/kg body weight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Ethylene carbonate (96-49-1)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Lithium hexafluorophosphate(1-) (21	324-40-3)
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: Inhalation of material from a sealed battery is not an expected exposure route. Vapors or mists
	from a ruptured battery may cause respiratory irritation.
Symptoms/effects after skin contact	: Contact between the battery and skin will not cause any harm. Skin contact with positive and
	negative terminals of high voltages may cause burns to the skin.
	Skin contact with a ruptured or shorted battery can cause chemical burns or irritation upon
Symptoms/effects after eye contact	contact with the skin. Contact between the battery and eye will not cause any harm. Eye contact with the contents of a
Cymptoms/eneols alter eye contact	ruptured battery can cause severe irritation to the eye.
Symptoms/effects after ingestion	: Swallowing of material from a sealed battery is not an expected exposure route. Swallowing
-, , , , , , , , , , , , , , , , , , ,	mists from a ruptured battery may cause respiratory irritation, chemical burns of the mouth and gastrointestinal tract irritation.

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#### **SECTION 12: Ecological information**

#### 12.1. Toxicity

Ecology - general

: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations		
13.1. Disposal methods		
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.	
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.	
Additional information	: Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.	
Ecology - waste materials	: Avoid release to the environment.	

### **SECTION 14: Transport information**

#### In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	ΙΑΤΑ
14.1. UN number			
3480	UN3480	3480	3480
14.2. Proper Shipping Name			
Lithium ion batteries	LITHIUM ION BATTERIES	LITHIUM ION BATTERIES	Lithium ion batteries
Transport document description			
UN3480 Lithium ion batteries, 9	UN3480 LITHIUM ION BATTERIES, 9	UN 3480 LITHIUM ION BATTERIES, 9	UN 3480 Lithium ion batteries, 9A
14.3. Transport hazard class(e	s)		
9	9	9	9A
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable

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DOT	TDG	IMDG	ΙΑΤΑ	
	100			
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	
No supplementary information available	9			
14.6. Special precautions for use	r			
DOT UN-No.(DOT) DOT Special Provisions (49 CFR 172.10 DOT Packaging Exceptions (49 CFR 173. DOT Packaging Non Bulk (49 CFR 173. DOT Packaging Bulk (49 CFR 173.xxx) DOT Quantity Limitations Passenger air CFR 173.27) DOT Quantity Limitations Cargo aircraft CFR 175.75) DOT Vessel Stowage Location	<ul> <li>cells that are not de rechargeable lithium Overcharge of the ritested as a primary proved to meet the subsection 38.3 (IBI paragraph a. of this appropriate. When si content of all lithium capacity of all lithium capacity of all lithium capacity of all lithium Labels conforming th December 31, 2018 §172.560.</li> <li>A54 - Lithium batter maximum gross we on cargo aircraft if a A100 - Primary (nor passenger carrying aboard passenger c</li> <li>3.xxx) : 185 : 185</li> <li>craft/rail (49 : Forbidden</li> <li>only (49 : 35 kg</li> </ul>	teries containing both primary lithium m signed to be externally charged, must i n ion cells can only be charged from the echargeable lithium ion cells is preclud lithium battery; and iv. Component cell respective testing requirements of the f R, see 171.7 of this subchapter). b. Lith special provision must be assigned to such batteries are transported in accord metal cells contained in the battery must g is required, the label to be used must o requirements in place on December 3 . When a placard is displayed, the place ies or lithium batteries contained or part ight allowed by Column (9B) of the 172 pproved by the Associate Administrato i-rechargeable) lithium batteries and ce aircraft. Secondary (rechargeable) lithi arrying aircraft in packages that do not	meet the following conditions: i. The e primary lithium metal cells; ii. ed by design; iii. The battery has been s of the battery must be of a type Manual of Tests and Criteria, part III, nium batteries conforming to UN Nos. 3090 or 3091, as dance with 173.185(c), the total lithium ust not exceed 1.5 g and the total st not exceed 10 Wh. be the label shown in §172.447. 31, 2016 may continue to be used unti- card must be the placard shown in cked with equipment that exceed the .101 Table may only be transported tr. exceed a gross weight of 5 kg.	
<b>TDG</b> UN-No. (TDG)	: UN3480			

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TDG Special Provisions	: 34 - (1) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering
	for transport or transporting of lithium cells and batteries on a road vehicle, a railway vehicle or a vessel on a domestic voyage if
	(a) for a lithium metal or lithium alloy cell, the lithium content is not more than 1 g, and, for a
	lithium-ion cell, the watt-hour rating is not more than 20 Wh;
	(b) for a lithium metal or lithium alloy battery, the aggregate lithium content is not more than 2 g, and for a lithium-ion battery, the watt-hour rating is not more than 100 Wh;
	(c) lithium ion batteries are marked with the watt-hour rating on the outside case, except for
	those manufactured before January 1, 2009;
	(d) each cell and battery type passes each of the tests set out in paragraph 2.43.1(2)(a) of Part 2 (Classification);
	<ul> <li>(e) the cells and batteries are afforded protection against short circuit, including protection against contact with conductive materials within the same packaging that could lead to a short circuit;</li> </ul>
	(f) the cells and batteries are packed in a means of containment that completely encloses the cells and batteries;
	(g) the gross mass of the cells and batteries does not exceed 30 kg, except when the cells and batteries are installed in or packed with equipment; and
	(h) the cells and batteries are packed in a means of containment capable of withstanding a 1.2 m drop test in any orientation without damage to the cells or batteries contained inside the means
	of containment, without the contents shifting so as to allow battery-to-battery or cell-tocell, contact, and without release of contents.
	(2) Cells and batteries referred to in subsection (1) that are installed in equipment must, unless
	they are afforded equivalent protection by the equipment in which they are contained,
	<ul> <li>(a) be afforded protection against damage and short circuit, including protection against contact with conductive materials within the same packaging that could lead to a short circuit;</li> </ul>
	(b) subject to subsection (3), be fitted to prevent accidental activation; and
	(c) be packed in a means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no
	release of the dangerous goods that could endanger public safety.
	(3) Paragraph (2)(b) does not apply to cells and batteries installed in devices that are
	intentionally active during transport such as radio frequency identification transmitters, watches and sensors, and that are not capable of generating a dangerous evolution of heat.
	(4) Except for means of containment containing button cell batteries installed in equipment,
	including circuit boards, or no more than four cells installed in equipment or no more than two batteries installed in equipment, each means of containment must be marked with the
	appropriate lithium battery mark in accordance with section 4.24. (5) Despite subsection (4), except for means of containment containing button cell batteries
	installed in equipment, including circuit boards, or no more than four cells installed in equipment
	or no more than two batteries installed in equipment, each means of containment may, until
	December 31, 2018, be marked with the following:
	(a) "lithium metal", "lithium métal", "lithium ion" or "lithium ionique", as appropriate;
	(b) an indication that the means of containment must be handled with care and that a
	flammability hazard exists if the means of containment is damaged; (c) an indication that special procedures must be followed in the event the means of containment
	is damaged, including inspection and repacking, if necessary; and
	(d) a telephone number to call for additional information, 123 - (1) The testing requirements in
	subsection 38.3 of Part III of the Manual of Tests and Criteria do not apply to production runs
	consisting of not more than 100 cells and batteries or to pre-production prototypes of cells and
	batteries that are transported on a road vehicle, a railway vehicle or a vessel on a domestic
	voyage if (a) the cells or batteries are imported, offered for transport, handled or transported in accordance
	with Packing Instruction P910 of the UN Recommendations; and
	<ul><li>(b) the pre-production prototypes of cells and batteries are in transport for the purpose of testing.</li><li>(2) Despite paragraph (1)(b), batteries that have a total mass of 12 kg or more and that have a</li></ul>
	strong, impact-resistant outer casing, or assemblies of them, may be packed in an outer means of containment or protective enclosure designed, constructed, filled, closed, secured and

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Explosive Limit and Limited Quantity Index Excepted quantities (TDG) Passenger Carrying Road Vehicle or Passenger Carrying Roid Vehicle Index	<ul> <li>maintained so that under normal conditions of transport, including handling, there will be no release of the dangerous goods that could endanger public safety. The batteries or battery assemblies must be protected from short-circuit, 137 - (1) This shipping name applies to lithium ion cells or batteries, and lithium metal cells or batteries that are damaged or defective, include, but are not limited to, cells or batteries that have leaked or vented, or have sustained physical or mechanical damage, and cannot be diagnosed prior to transport, or that have ben identified as being defective for safety reasons.</li> <li>(2) Lithium ion cells or batteries and lithium metal cells or batteries that are damaged or defective must be packed in accordance with Packing Instructions P908 or LP904 of the UN Recommendations, as applicable.</li> <li>(3) Lithium ion cells or batteries and lithium metal cells or batteries that are damaged or defective must be packed in accordance with Packing Instructions P908 or LP904 of the UN Recommendations, as applicable.</li> <li>(4) As applicable, the outer means of containment or the overpack must be marked legibly and visibly on a contrasting background, with the words "Damaged/Defective Lithium lon Batteries", "piles au lithium ionique endommagées/défectueuses".</li> <li>(5) It is forbidden to transport lithium ion cells or batteries and lithium metal cells or batteries that are damaged or defective and that, under normal conditions of transport, are liable to disassemble rapidly, react dangerously, produce a flame or a dangerous evolution of heat, or produce a dangerous emission of toxic, corrosive or flammable gases or vapours.</li> <li>(6) It is forbidden to transport by aircraft lithium ion cells or batteries and lithium metal cells or batteries or batteries, an equipment containing those cells or batteries is an eliable to disposal or recycling, lithium ion cells or batteries.</li> <li>(6) must be packed in accordance with Packing Instructions P909 or LP904 of the UN Recom</li></ul>
Carrying Railway Vehicle Index Emergency Response Guide (ERG) Number	: 147
IMDG Special provision (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Stowage and handling (IMDG) Properties and observations (IMDG)	<ul> <li>188, 230, 310, 348, 376, 377, 384, 387</li> <li>0</li> <li>E0</li> <li>P903, P908, P909, P910, P911, LP903, LP904, LP905, LP906</li> <li>F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE</li> <li>S-I - SPILLAGE SCHEDULE India - FLAMMABLE SOLIDS (REPACKING POSSIBLE)</li> <li>A</li> <li>SW19</li> <li>Electrical batteries containing lithium ion encased in a rigid metallic body. Lithium ion batteries may also be shipped in, or packed with, equipment. Electrical lithium batteries may cause fire due to an explosive rupture of the body caused by improper construction or reaction with contaminants.</li> </ul>

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ΙΑΤΑ	
PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: Forbidden
PCA max net quantity (IATA)	: Forbidden
CAO packing instructions (IATA)	: See 965
CAO max net quantity (IATA)	: See 965
Special provision (IATA)	: A88, A99, A154, A164, A183, A201, A206, A213, A331, A334, A802
ERG code (IATA)	: 12FZ

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

#### 15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
cobalt lithium manganese nickel oxide	346417-97-8	Present	Active	PMN;S;5E
Graphite	7782-42-5	Present	Active	
Ethylene carbonate	96-49-1	Present	Active	
dimethyl carbonate	616-38-6	Present	Active	
Lithium hexafluorophosphate(1-)	21324-40-3	Present	Active	PMN

#### 15.2. International regulations

CANADA

#### cobalt lithium manganese nickel oxide (346417-97-8)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

#### Graphite (7782-42-5)

Listed on the Canadian DSL (Domestic Substances List)

#### Ethylene carbonate (96-49-1)

Listed on the Canadian DSL (Domestic Substances List)

### Lithium hexafluorophosphate(1-) (21324-40-3)

Listed on the Canadian NDSL (Non-Domestic Substances List)

#### **EU-Regulations**

No additional information available

### National regulations

#### Graphite (7782-42-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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#### 15.3. US State regulations

8M6010612	
U.S California - Proposition 65 - Other information	Warning ! : Cancer and Reproductive Harm - www.P65Warnings.ca.gov.
Component	State or local regulations
Graphite(7782-42-5)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List
Ethylene carbonate(96-49-1)	U.S Massachusetts - Right To Know List; U.S Pennsylvania - RTK (Right to Know) List
dimethyl carbonate(616-38-6)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List

### SECTION 16: Other information

Data sources	: according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and
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Other information	: REACH Disclaimer:
	This information is based on current knowledge. Consistency of data in the SDS with CSR is
	considered, as far as the information is available at the time of compilation (cfr Revision date and
	Version number). DISCLAIMER OF LIABILITY The information in this SDS was obtained from
	sources which we believe are reliable. However, the information is provided without any
	warranty, express or implied, regarding its correctness. The conditions or methods of handling,
	storage, use or disposal of the product are beyond our control and may be beyond our
	knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim
	liability for loss, damage or expense arising out of or in any way connected with the handling,
	storage, use or disposal of the product. This SDS was prepared and is to be used only for this
	product. If the product is used as a component in another product, this SDS information may not
	be applicable.

Full text of H-phrases	
H301	Toxic if swallowed
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure

Abbreviations and acronyms		
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ATE	Acute Toxicity Estimate	

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Abbreviations	and acronyms	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LD50	Median lethal dose	
PBT	Persistent Bioaccumulative Toxic	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
vPvB	Very Persistent and Very Bioaccumulative	
GHS	GHS: Globally Harmonized System of Classification and Labelling of Chemicals	
NFPA health ha	d permanent injury. 2 - Materials that must be moderately heated or exposed to relatively	
NFPA reactivity	<ul> <li>high ambient temperatures before ignition can occur.</li> <li>2 - Materials that readily undergo violent chemical change at elevated temperatures and pressures.</li> </ul>	
NFPA specific h	azard : W - Materials that react violently or explosively with water.	
Hazard Rating Health Flammability	<ul> <li>0 Minimal Hazard - No significant risk to health</li> <li>1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)</li> </ul>	
Physical	<ul> <li>0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.</li> </ul>	

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