

## 1. Identification

<b>Product identifier</b>	Nexis® Rechargeable Candles	
<b>Other means of identification</b>	Not available.	
<b>Recommended use</b>	Sealed battery	
<b>Recommended restrictions</b>	None known.	
<b>Manufacturer/Importer/Supplier/Distributor information</b>		
<b>Manufacturer</b>		
<b>Company name</b>	Hollowick, Inc.	
<b>Address</b>	100 Fairgrounds Dr. P.O. Box 305 Manlius, NY, 13104 United States	
<b>Telephone</b>	Phone:	315-682-2163
	Phone:	800-367-3015 (Toll free)
	Fax:	315-682-6948
<b>E-mail</b>	info@hollowick.com	
<b>Emergency phone number</b>	1-800-255-3924 (ChemTel) 1-813-248-0585 (ChemTel) (Outside US)	
<b>Supplier</b>	See above.	

## 2. Hazard identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Skin corrosion/irritation	Category 1
	Serious eye damage/eye irritation	Category 1
	Sensitization, respiratory	Category 1
	Sensitization, skin	Category 1
	Carcinogenicity	Category 1B
	Reproductive toxicity	Category 1B
	Specific target organ toxicity, repeated exposure	Category 1
<b>Environmental hazards</b>	Not classified.	
<b>WHMIS 2015 defined hazards</b>	Not classified	
<b>Label elements</b>		
<b>Signal word</b>	Danger	
<b>Hazard statement</b>	Causes severe skin burns and eye damage. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. May cause cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapor. Wash thoroughly after handling. Wear protective gloves, protective clothing, eye protection and face protection. Wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product.	
<b>Response</b>	IF exposed or concerned: Get medical attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor. Specific treatment (see information on this label). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.	

<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of container in accordance with local, regional, national and international regulations.
<b>WHMIS 2015: Health Hazard(s) not otherwise classified (HNOC)</b>	None known
<b>WHMIS 2015: Physical Hazard(s) not otherwise classified (PHNOC)</b>	None known
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	Internal components of battery can be harmful if exposed. If battery is opened or burned then the above hazards apply.

CANADA: This product is a manufactured article and is exempt. As per the Hazardous Products Act: A manufactured article means any article that is formed to a specific shape or design during manufacture, the intended use of which when in that form is dependent in whole or in part on its shape or design, and that, when being installed, if the intended use of the article requires it to be installed, and under normal conditions of use, will not release or otherwise cause an individual to be exposed to a hazardous product. This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II).

### 3. Composition/Information on ingredients

#### Mixture

Chemical name	Common name and synonyms	CAS number	%
1,3-Dioxolan-2-one, 4-methyl-		108-32-7	5-10*
Cobalt Lithium Dioxide		12190-79-3	15-40*
Ethylene Carbonate		96-49-1	7-13*
Phosphate(1-), Hexafluoro-, Lithium		21324-40-3	5-10*

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### Composition comments

Not applicable to manufactured articles. \*This composition applies to the cell of the battery and the electrolyte of the unused battery.  
US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

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

### 4. First-aid measures

<b>Inhalation</b>	Direct contact with the ruptured battery may cause chemical burns. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.
<b>Skin contact</b>	Direct contact with the ruptured battery may cause chemical burns. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor. Specific treatment (see product label). Wash contaminated clothing before reuse.
<b>Eye contact</b>	Direct contact with the ruptured battery may cause chemical burns. 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.
<b>Ingestion</b>	Direct contact with the ruptured battery may cause chemical burns. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.
<b>Most important symptoms/effects, acute and delayed</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Prolonged exposure may cause chronic effects. Direct contact with the electrolyte may cause chemical burns.
<b>Indication of immediate medical attention and special treatment needed</b>	Symptoms may be delayed. Treat patient symptomatically.
<b>General information</b>	IF exposed or concerned: Get medical attention. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse. Avoid contact with eyes and skin. Wear rubber gloves and chemical splash goggles. Keep out of reach of children.

### 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Dry sand. If batteries are on charge, turn power off. Dry chemical.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire. Carbon dioxide.

**Specific hazards arising from the chemical**

The battery may burst and release hazardous decomposition products when exposed to the fire. Lithium-ion batteries contain flammable electrolytes that may vent, ignite and produce sparks when subjected to high temperature (150°C/302°F), when damaged or abused (e.g. mechanical damage or electrical overcharging); may burn rapidly with flare burning effect; may ignite other batteries in close proximity.

**Special protective equipment and precautions for firefighters****Fire-fighting equipment/instructions****Specific methods****General fire hazards****Hazardous combustion products**

Firefighters should wear full protective clothing including self-contained breathing apparatus.

Move containers from fire area if you can do so without risk.

Use standard firefighting procedures and consider the hazards of other involved materials.

No unusual fire or explosion hazards noted.

May include and are not limited to: Oxides of carbon. Oxides of lithium. Oxides of cobalt. Oxides of phosphorus. Hydrofluoric acid.

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## 6. Accidental release measures

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**Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**

The product is immiscible with water and will spread on the water surface. Prevent entry into waterways, sewer, basements or confined areas.

**Large Spills:** Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS. In the case of a leaking battery: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

**Environmental precautions**

Avoid discharge into drains, water courses or onto the ground. Do not discharge into lakes, streams, ponds or public waters.

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## 7. Handling and storage

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**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Wear appropriate personal protective equipment. Provide adequate ventilation. Wash thoroughly after handling. Observe good industrial hygiene practices. Avoid short-circuiting the battery. Avoid mechanical damage to the battery. Do not open or disassemble. Battery may explode or cause burns if disassembled, crushed or exposed to fire or high temperatures. Do not install with incorrect polarity

**Conditions for safe storage, including any incompatibilities**

Store locked up. Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep this material away from food, drink and animal feed. Keep away from heat, sparks, and flame. Store in a cool dry place below 30°C (86°F). Do not store below -20°C. Keep out of reach of children.

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## 8. Exposure controls/Personal protection

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**Occupational exposure limits****Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

Components	Type	Value
Cobalt Lithium Dioxide (CAS 12190-79-3)	TWA	0.02 mg/m3

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

Components	Type	Value	Form
Cobalt Lithium Dioxide (CAS 12190-79-3)	TWA	0.02 mg/m3	Total
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	TWA	2.5 mg/m3	

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

Components	Type	Value	Form
Cobalt Lithium Dioxide (CAS 12190-79-3)	TWA	0.02 mg/m3	Inhalable fraction.
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	TWA	2.5 mg/m3	

**Canada. New Brunswick OELs: Threshold Limit Values (TLVs) Based on the 1991 and 1997 ACGIH TLVs and BEIs Publication (New Brunswick Regulation 91-191), as amended**

Components	Type	Value
Cobalt Lithium Dioxide (CAS 12190-79-3)	TWA	0.02 mg/m3
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	TWA	2.5 mg/m3

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

Components	Type	Value
Cobalt Lithium Dioxide (CAS 12190-79-3)	TWA	0.02 mg/m3
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	TWA	2.5 mg/m3

**Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety)**

Components	Type	Value
Cobalt Lithium Dioxide (CAS 12190-79-3)	TWA	0.02 mg/m3
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	TWA	2.5 mg/m3

**Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21)**

Components	Type	Value
Cobalt Lithium Dioxide (CAS 12190-79-3)	15 minute	0.06 mg/m3
	8 hour	0.02 mg/m3
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	15 minute	5 mg/m3
	8 hour	2.5 mg/m3

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Components	Type	Value
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	PEL	2.5 mg/m3

**US. OSHA Table Z-2 (29 CFR 1910.1000)**

Components	Type	Value	Form
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	TWA	2.5 mg/m3	Dust.

**US. ACGIH Threshold Limit Values**

Components	Type	Value	Form
Cobalt Lithium Dioxide (CAS 12190-79-3)	TWA	0.02 mg/m3	Inhalable fraction.
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	TWA	2.5 mg/m3	

**US. NIOSH: Pocket Guide to Chemical Hazards**

Components	Type	Value
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	TWA	2.5 mg/m3

**Biological limit values****ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
Cobalt Lithium Dioxide (CAS 12190-79-3)	15 µg/l	Cobalt	Urine	*
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	3 mg/L	Fluoride	Urine	*

**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
	2 mg/L	Fluoride	Urine	*
* - For sampling details, please see the source document.				
<b>Appropriate engineering controls</b>		Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate.		
<b>Individual protection measures, such as personal protective equipment</b>				
<b>Eye/face protection</b>		Not normally required under normal use conditions. Wear safety glasses with side shields (or goggles) and a face shield.		
<b>Skin protection</b>				
<b>Hand protection</b>		Not normally required under normal use conditions. Impervious gloves. Confirm with reputable supplier first.		
<b>Other</b>		Not normally required. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.		
<b>Respiratory protection</b>		Not normally required if good ventilation is maintained. Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).		
<b>Thermal hazards</b>		Not applicable.		
<b>General hygiene considerations</b>		Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. When using do not eat or drink.		

## **9. Physical and chemical properties**

<b>Appearance</b>	Prismatic
<b>Physical state</b>	Liquid.
<b>Form</b>	Solid. The battery cell is contained in a case, designed to withstand temperatures and pressure during normal use.
<b>Color</b>	Silver
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Pour point</b>	Not available.
<b>Specific gravity</b>	Not available.
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.

<b>Solubility(ies)</b>	Insoluble
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	Voltage 3.7V Electric capacity 220mAh Electric Energy 0.814Wh
<b>Explosive properties</b>	Not explosive.
<b>Oxidizing properties</b>	Not oxidizing.

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport. Reaction with water or moist air will release toxic, corrosive or flammable gases. This product may react with strong oxidizing agents.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not mix with other chemicals. Exposure to water or water vapor. Avoid direct sunlight.
<b>Incompatible materials</b>	Strong acids. Strong oxidizing agents. Chlorine. Conductive materials. Seawater.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxides of lithium. Oxides of cobalt. Oxides of phosphorus. Hydrogen fluoride.

## 11. Toxicological information

<b>Routes of exposure</b>	Eye, Skin contact, Inhalation, Ingestion.
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### Information on likely routes of exposure

<b>Ingestion</b>	Direct contact with the ruptured battery may cause chemical burns. Causes digestive tract burns. Harmful if swallowed. May cause chemical burns to mouth, throat and stomach. May cause stomach distress, nausea or vomiting.
<b>Inhalation</b>	Direct contact with the ruptured battery may cause chemical burns. May cause irritation to the respiratory system. May cause sensitization by inhalation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.
<b>Skin contact</b>	Direct contact with the ruptured battery may cause chemical burns. May cause an allergic skin reaction. May cause sensitization by skin contact. Causes severe skin burns.
<b>Eye contact</b>	Direct contact with the ruptured battery may cause chemical burns. Causes serious eye damage. May cause blindness.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Difficulty in breathing. Direct contact with the electrolyte may cause chemical burns.

### Information on toxicological effects

<b>Acute toxicity</b>	See below.
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<b>Components</b>	<b>Species</b>	<b>Test Results</b>
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#### 1,3-Dioxolan-2-one, 4-methyl- (CAS 108-32-7)

<b>Acute</b>		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, ECHA

#### Cobalt Lithium Dioxide (CAS 12190-79-3)

<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	> 5.1 mg/l/4h, ECHA
<i>Oral</i>		
LD50	Rat	> 5000 mg/kg, ECHA

Components	Species	Test Results
Ethylene Carbonate (CAS 96-49-1)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Rat	> 2000 mg/kg, 24 Hours, ECHA
<i>Inhalation</i>		
LC50	Rat	> 730 mg/m <sup>3</sup> , 8 Hours, ECHA
<i>Oral</i>		
LD50	Rat	10400 mg/kg, ECHA
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)		
<b>Acute</b>		
<i>Dermal</i>		
LD50	Not available	
<i>Inhalation</i>		
LC50	Not available	
<i>Oral</i>		
LD50	Rat	50 - 300 mg/kg, ECHA
<b>Skin corrosion/irritation</b>		Direct contact with the ruptured battery may cause chemical burns. Prolonged skin contact may cause temporary irritation. Causes severe skin burns and eye damage.
<b>Exposure minutes</b>		Not available.
<b>Erythema value</b>		Not available.
<b>Oedema value</b>		Not available.
<b>Serious eye damage/eye irritation</b>		Direct contact with the ruptured battery may cause chemical burns. Causes serious eye damage.
<b>Corneal opacity value</b>		Not available.
<b>Iris lesion value</b>		Not available.
<b>Conjunctival reddening value</b>		Not available.
<b>Conjunctival oedema value</b>		Not available.
<b>Recover days</b>		Not available.
<b>Respiratory or skin sensitization</b>		Contains a potential skin sensitizer. Contains a potential respiratory tract sensitizer.
<b>ACGIH sensitization</b>		
Cobalt and inorganic compounds, inhalable fraction, as Co (CAS 12190-79-3)	Dermal sensitization	Respiratory sensitization
<b>Canada - Manitoba OELs Hazard: Dermal sensitization</b>		
Cobalt Lithium Dioxide (CAS 12190-79-3)	Dermal sensitization	
<b>Canada - Manitoba OELs Hazard: Respiratory sensitization</b>		
Cobalt Lithium Dioxide (CAS 12190-79-3)	Respiratory sensitization	
<b>Respiratory sensitization</b>		May cause allergy or asthma symptoms or breathing difficulties if inhaled.
<b>Skin sensitization</b>		May cause an allergic skin reaction.
<b>Mutagenicity</b>		The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>		May cause cancer. See below.
<b>ACGIH Carcinogens</b>		
Cobalt Lithium Dioxide (CAS 12190-79-3)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
<b>Canada - Manitoba OELs: carcinogenicity</b>		Confirmed animal carcinogen with unknown relevance to humans.
Cobalt Lithium Dioxide (CAS 12190-79-3)		
<b>Canada - Quebec OELs: Carcinogen category</b>		
Cobalt Lithium Dioxide (CAS 12190-79-3)	Detected carcinogenic effect in animals.	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Cobalt Lithium Dioxide (CAS 12190-79-3)	Volume 52 - 2B Possibly carcinogenic to humans.	
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	Volume 27, Supplement 7 - 3 Not classifiable as to carcinogenicity to humans.	
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>		
Not listed.		

## US NTP Report on Carcinogens: Anticipated carcinogen

Cobalt Lithium Dioxide (CAS 12190-79-3)

Reasonably Anticipated to be a Human Carcinogen.

### Reproductive toxicity

May damage fertility or the unborn child.

### Teratogenicity

The finished product is not expected to have chronic health effects.

### Specific target organ toxicity - single exposure

Not classified.

### Specific target organ toxicity - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

### Aspiration hazard

Not an aspiration hazard.

### Chronic effects

Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

## 12. Ecological information

**Ecotoxicity** See below

### Ecotoxicological data

Components	Species	Test Results
1,3-Dioxolan-2-one, 4-methyl- (CAS 108-32-7)		
Algae	IC50	Algae
Crustacea	EC50	Daphnia
<b>Persistence and degradability</b>	No data is available on the degradability of this product.	
<b>Bioaccumulative potential</b>	No data available.	
<b>Mobility in soil</b>	No data available.	
<b>Mobility in general</b>	Not available.	
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

## 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of container in accordance with local, regional, national and international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
<b>Waste from residues / unused products</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

**Transport of Dangerous Goods (TDG) Proof of Classification** Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below.

### General

Canada: See special provisions to determine the packaging requirements and exemptions for shipping lithium ion batteries.

US: See special provisions to determine the packaging requirements and exemptions for shipping lithium ion batteries.

### U.S. Department of Transportation (DOT)

#### Basic shipping requirements:

**UN number** UN3481

**Proper shipping name** Lithium ion batteries contained in equipment including lithium ion polymer batteries

**Hazard class** Lithium

**Packing group** II

### Transportation of Dangerous Goods (TDG - Canada)

#### Basic shipping requirements:

**UN number** UN3481

**Proper shipping name** LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT (including lithium ion polymer batteries);

**Hazard class** Lithium

**Packing group** II



## 15. Regulatory information

<b>Canadian federal regulations</b>	This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR. This product is not subject to the Hazardous Products Act (HPA) Part II (Hazardous Products) as per paragraph 12(j); Schedule 1 (Non-Application of Part II). This restriction states that Part II does not apply in respect of the sale or importation of anything listed in Schedule 1 which includes any pest control product as defined in subsection 2(1) of the Pest Control Products Act, any explosive as defined in section 2 of the Explosives Act, any cosmetic, device, drug or food, as defined in section 2 of the Food and Drugs Act, any consumer product as defined in section 2 of the Canada Consumer Product Safety Act and any wood or product made of wood.
<b>Canada CEPA Schedule I: Listed substance</b>	Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)      Listed.
<b>Export Control List (CEPA 1999, Schedule 3)</b>	Not listed.
<b>Greenhouse Gases</b>	Not listed.
<b>Precursor Control Regulations</b>	Not regulated.
<b>WHMIS 2015 Exemptions</b>	Not applicable
<b>US federal regulations</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b>	Not regulated.
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Cobalt Lithium Dioxide (CAS 12190-79-3)      Listed.
<b>SARA 304 Emergency release notification</b>	Not regulated.
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)</b>	Not listed.
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>	
<b>SARA 302 Extremely hazardous substance</b>	No
<b>Classified hazard categories</b>	Skin corrosion or irritation Serious eye damage or eye irritation Respiratory or skin sensitization Carcinogenicity Reproductive toxicity Specific target organ toxicity (single or repeated exposure)
<b>SARA 313 (TRI reporting)</b>	Not regulated.
<b>Other federal regulations</b>	
<b>Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List</b>	Cobalt Lithium Dioxide (CAS 12190-79-3)
<b>Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)</b>	Not regulated.
<b>Clean Water Act (CWA) Section 112(r) (40 CFR 68.130)</b>	Hazardous substance Priority pollutant Toxic pollutant
<b>US state regulations</b>	See below

**US - California Hazardous Substances (Director's): Listed substance**

Cobalt Lithium Dioxide (CAS 12190-79-3)	Listed.
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	Listed.

**US - Illinois Chemical Safety Act: Listed substance**

Cobalt Lithium Dioxide (CAS 12190-79-3)
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**US - Louisiana Spill Reporting: Listed substance**

Cobalt Lithium Dioxide (CAS 12190-79-3)	Listed.
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**US - Minnesota Haz Subs: Listed substance**

Cobalt Lithium Dioxide (CAS 12190-79-3)	Listed.
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**US - North Carolina Toxic Air Pollutants: Listed substance**

Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)
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**US - Texas Effects Screening Levels: Listed substance**

1,3-Dioxolan-2-one, 4-methyl- (CAS 108-32-7)	Listed.
Cobalt Lithium Dioxide (CAS 12190-79-3)	Listed.
Ethylene Carbonate (CAS 96-49-1)	Listed.
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)	Listed.

**US - Washington Chemical of High Concern to Children: Listed substance**

Cobalt Lithium Dioxide (CAS 12190-79-3)
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**US. Massachusetts RTK - Substance List**

Ethylene Carbonate (CAS 96-49-1)
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**US. New Jersey Worker and Community Right-to-Know Act**

Cobalt Lithium Dioxide (CAS 12190-79-3)
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Cobalt Lithium Dioxide (CAS 12190-79-3)
Ethylene Carbonate (CAS 96-49-1)
Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)

**US. Rhode Island RTK**

Phosphate(1-), Hexafluoro-, Lithium (CAS 21324-40-3)
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**US. California Proposition 65**

Not Listed.

**Inventory status**

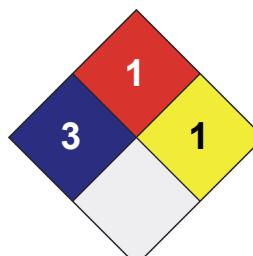
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**16. Other information**

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

<b>HEALTH</b>	/	3
<b>FLAMMABILITY</b>	1	
<b>PHYSICAL HAZARD</b>	1	
<b>PERSONAL PROTECTION</b>	X	

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document. The information in the safety data sheet was written by Dell Tech Laboratories Ltd. ([www.dellttech.com](http://www.dellttech.com)) based on the best knowledge and experience currently available.

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**Prepared by**

Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

**Further information**

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.

**Other information**

For an updated SDS, please contact the supplier/manufacturer listed on the first page of the document.