

# Safety Data Sheet

## Lithium Battery

SDS Revision Date:

10/23/2023



### 1. Identification

#### 1.1. Product identifier

##### Product Identity

14-101957-006 \*I\* ASSY-Battery w/ Label, Lithium  
14-860508-021 Pkg. MAX-X, Lit w/ACDC 115V Blk  
14-860508-022 Pkg. MAX-X, Lit w/ACDC 115V Grn  
14-860508-221 Pkg. MAX-X, Lit w/ACDC 230V Blk  
14-860508-222 Pkg. MAX-X, Lit w/ACDC 230V Grn  
14-860508-041 Pkg. MAX-X, Battery Only, 115V Blk  
14-860508-042 Pkg. MAX-X, Battery Only, 115V Grn  
14-860508-241 Pkg. MAX-X, Battery Only, 230V Blk  
14-860508-242 Pkg. MAX-X, Battery Only, 230V Grn

14-100880-000 Assy. Lithium Battery, 48 Ahr  
14-100508-000 Assy. Lithium Battery, 30 Ahr  
14-100508-900 Assy. Lithium Battery, preown 30 Ahr  
14-100957-002 Assy. Lithium Battery, w/ jumper 48 Ahr  
14-100957-004 Assy. Lithium Battery, w/ jumper 30 Ahr  
14-100957-904 Assy. Lithium Battery, preown 30 Ahr  
14-860202-002 Pkg. Envoy, Lithium, with ACDC 115V  
14-860202-004 Pkg. Envoy w/ Lithium Battery 115V  
14-860202-006 Pkg. Envoy,30Ahr Lithium w/ACDC 115  
14-860202-202 Pkg. Envoy, Lithium, with ACDC 230V  
14-860202-204 Pkg. Envoy w/ Lithium Battery 230V  
14-860202-206 Pkg. Envoy,30Ahr Lithium w/ACDC 230  
14-860202-902 Pkg. Refurb Envoy Lithium 115V  
14-101957-005 ASSY. Lithium Battery, 55AHR  
14-101957-002 ASSY. Lithium Battery, 48AHR  
14-101957-004 ASSY. Lithium Battery, 30 Ahr  
14-101957-904 ASSY. Lithium Battery, preown 30 Ahr  
14-860500-021 Pkg. MAX,48Ahr Lit w/ACDC 115V Blk  
Pkg. MAX,55Ahr Lit w/ACDC 115V Blk  
14-860500-022 Pkg. MAX,48Ahr Lit w/ACDC 115V Grn  
Pkg. MAX,55Ahr Lit w/ACDC 115V Grn  
14-860500-221 Pkg. MAX,48Ahr Lit w/ACDC 230V Blk  
Pkg. MAX,55Ahr Lit w/ACDC 230V Blk  
14-860500-222 Pkg. MAX,48Ahr Lit w/ACDC 230V Grn  
Pkg. MAX,55Ahr Lit w/ACDC 230V Grn  
14-860500-041 Pkg. MAX, Lit Battery Only, 115V Blk  
14-860500-042 Pkg. MAX, Lit Battery Only, 115V Grn  
14-860500-241 Pkg. MAX, Lit Battery Only, 230V Blk  
14-860500-242 Pkg. MAX, Lit Battery Only, 230V Grn

##### Alternate Names

Lithium Battery

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Intended use

Energy Storage; Battery Cell and Battery Packs

##### Application Method

See Technical Data Sheet.

#### 1.3. Details of the supplier of the safety data sheet

##### Company Name

Brunswick Bowling Products, LLC  
525 W. Laketon Ave.  
Muskegon, MI 49441 USA

##### Emergency

##### 24 hour Emergency Telephone No. (ChemTel)

US: 800-255-3924  
International: +01-813-248-0585

Customer Service: Brunswick Bowling Products, LLC 231-725-4966

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### 2. Hazard(s) identification

#### 2.1. Classification of the substance or mixture

No applicable GHS categories.

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

No applicable GHS categories.

#### [Prevention]:

No GHS prevention statements

#### [Response]:

No GHS response statements

#### [Storage]:

No GHS storage statements

#### [Disposal]:

No GHS disposal statements

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Lithium Iron Phosphate (LiFePO <sub>4</sub> ) CAS Number: 0015365-14-7	25 - 50	Not Classified	[1]
Carbon CAS Number: 0007440-44-0	10 - 25	Not Classified	[1][2]
Copper CAS Number: 0007440-50-8	1.0 - 10	Not Classified	[1][2]
Aluminum (Al) CAS Number: 0007429-90-5	1.0 - 10	Pyr. Sol. 1;H250 WaterReact. 2;H261	[1][2]
Ethylne carbonate CAS Number: 0000096-49-1	1.0 - 10	Not Classified	[1]
Carbonic acid, dimethyl ester CAS Number: 0000616-38-6	1.0 - 10	Flam. Liq. 2;H225	[1]
Carbonate, methyl ethyl CAS Number: 0000623-53-0	1.0 - 10	Flam. Liq. 2;H225	[1]
Polypropylene CAS Number: 0009003-07-0	1.0 - 10	Not Classified	[1]
Phosphate(1-), hexafluoro-, lithium	1.0 - 10	STOT RE 1;H372	[1]

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CAS Number: 0021324-40-3	Eye Dam. 1;H318 Skin Corr. 1A;H314 Acute Tox. 3;H301
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In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

As manufactured and under normal use, this battery is not expected to expose user to hazardous ingredients.

### 4. First aid measures

#### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	If internal contents are inhaled, move victim to fresh air and remove source of contamination from area. Seek medical advice.
<b>Eyes</b>	Contact with internal contents may cause burns. If eye contact with internal contents occurs, wash out affected eye with gentle flowing lukewarm water while holding eyelids open for at least 30 minutes. Rinse with neutral saline solution if possible. Use caution not to rinse contaminated water into the unaffected eye, nose, mouth, or onto the face. Seek medical attention.
<b>Skin</b>	Contact with internal contents may cause burns. If skin contact with internal contents occurs, remove affected articles of clothing. Wash affected area with lukewarm water for at least 30 minutes. If irritation or pain persists, seek medical attention. Decontaminate affected articles of clothing before reuse or discard.
<b>Ingestion</b>	If ingestion of internal contents occurs, rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration and continue to rinse mouth with water. Seek medical attention immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

**Overview** Risk of exposure will only occur if the battery cell is mechanically, thermally, or electrically damaged and the enclosure is compromised. If this occurs, exposure to electrolyte solutions contained within the battery cell may occur by inhalation, eye contact, skin contact and ingestion.

##### Potential Health Effects

Acute (Short Term): see Section 8 for Exposure Controls and Personal Protection. In the event of disassembly or rupture, the electrolyte contained in the cell is corrosive and may cause burns to skin and eyes.

Inhalation: Inhalation of material from a sealed battery is not an expected route of exposure. Vapors or mists from a ruptured battery may cause respiratory irritation.

Ingestion: Swallowing of material from a sealed battery is not an expected route of exposure. Swallowing mists from a ruptured battery may cause respiratory irritation, chemical burns of the mouth and gastrointestinal tract irritation.

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**Skin:** 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 battery can cause skin irritation.

**Eye:** Eye contact with the contents of a ruptured battery can cause severe irritation to the eye.

**Medical Conditions Aggravated by Exposure:** Medical conditions related to potential exposure modalities may be exacerbated by exposure to the materials.

See section 2 for further details.

### 5. Fire-fighting measures

#### 5.1. Extinguishing media

Water, carbon dioxide, dry chemical powder and foam are the most effective means to extinguish a battery fire.

#### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Combustible vapors may be released if exposed to fire.

#### 5.3. Advice for fire-fighters

Wear fully protective gear, including self-contained positive pressure breathing apparatus, goggles, fireproofing jacket and gloves. Caution is advised during application of water because burning particles may be ejected from the fire.

Exposing battery cell to excessive heat, fire or over voltage condition may cause a leak, fire, hazardous vapors and hazardous decomposition products. Damaged or opened cells or batteries can result in rapid heating and the release of flammable vapors and potentially dangerous gases that may be heavier than air and could travel along the ground or be moved by ventilation to an ignition source.

The interaction of water or water vapor and exposed lithium hexafluorophosphate (Li PF<sub>6</sub>) may result in the generation of hydrogen and hydrogen fluoride (HF) gas. Contact with battery electrolyte may be irritating to skin, eyes and mucous membranes. Fire will produce irritating, corrosive and/or toxic gases. Fumes may cause dizziness or suffocation.

**ERG Guide No.** ----

### 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Hazardous material contained within the batteries cells will only be expelled if the battery is damaged or abused. If an accidental release occurs, evacuate the area, except for required containment and clean up personnel. Maintain a minimum clearance of 25 meters (75 feet) in all directions. Stay upwind of the release, keep out of low areas, and ventilate closed areas before re-entering.

Put on appropriate personal protective equipment (see section 8).

#### 6.2. Environmental precautions

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Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Prevent released material from contaminating soil or entering sewers or waterways by capping drains or placing barriers.

Stop the release if safe to do so. Contain any spilled liquid with dry sand, earth, or vermiculite. Move the damaged object to an isolated area, containment chamber, or cover with a fire proof containment blanket if safe to do so. Clean up spills immediately.

Wear adequate personal protective equipment as indicated in Section 8. Absorb spilled liquid material with an inert absorbent (dry sand, earth, or vermiculite) material. Collect all debris and contaminated absorbent into an acceptable waste container and dispose of according to directions in Section 13. Scrub the spill area with detergent and water; collect all contaminated wash water for proper disposal.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Do not expose battery or cell to extreme temperatures or fire. Do not disassemble, crush or puncture battery. Do not overcharge or over discharge the battery. Do not mix batteries of varying types or sizes. Do not connect (short circuit) positive and negative terminals or place the batteries on conductive metal.

See section 2 for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: No data available.

Insulate positive and negative terminals, when not in use, to avoid short circuit. Ensure sufficient clearance between batteries and other surfaces. Store in a dry, cool (25°C +/-5°C, 10-50% RH) and well-ventilated area. Elevated temperatures can result in reduced battery life and venting of flammable liquid and gases. Keep batteries away from strong oxidizers and acids. Keep out of reach of children.

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

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### 8. Exposure controls and personal protection

**8.1. Control parameters**

NIOSH	no established RELs
Supplier	No Established Limit

**Exposure**

CAS No.	Ingredient	Source	Value
0000096-49-1	Ethylene carbonate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000616-38-6	Carbonic acid, dimethyl ester	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0000623-53-0	Carbonate, methyl ethyl	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0007429-90-5	Aluminum (Al)	OSHA	TWA 15 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp)
		ACGIH	TWA: 1.0 mg/m <sup>3</sup> Revised 2008,
		NIOSH	TWA 10 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp)
		Supplier	No Established Limit
0007440-44-0	Carbon	OSHA	TWA 15 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (resp)
		ACGIH	No Established Limit

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0007440-50-8	Copper	OSHA	TWA 1 mg/m <sup>3</sup> [*Note: The PEL also applies to other copper compounds (as Cu) except copper fume.]
		ACGIH	TWA: 0.2 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dusts and mists)
		NIOSH	TWA 1 mg/m <sup>3</sup> [*Note: The REL also applies to other copper compounds (as Cu) except Copper fume.]
		Supplier	No Established Limit
0009003-07-0	Polypropylene	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0015365-14-7	Lithium Iron Phosphate (LiFePO <sub>4</sub> )	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0021324-40-3	Phosphate(1-), hexafluoro-, lithium	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

### Carcinogen Data

CAS No.	Ingredient	Source	Value
0000096-49-1	Ethylne carbonate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000616-38-6	Carbonic acid, dimethyl ester	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000623-53-0	Carbonate, methyl ethyl	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007429-90-5	Aluminum (Al)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007440-44-0	Carbon	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007440-50-8	Copper	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

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0009003-07-0	Polypropylene	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0015365-14-7	Lithium Iron Phosphate (LiFePO4)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0021324-40-3	Phosphate(1-), hexafluoro-, lithium	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

### 8.2. Exposure controls

<b>Respiratory</b>	Not necessary under normal use. In case of battery or cell rupture, use a self-contained full face respiratory mask.
<b>Eyes</b>	Not necessary under normal use. Wear safety goggles if handling a ruptured or leaking battery cell.
<b>Skin</b>	Not necessary under normal use. Wear rubber apron and Viton rubber gloves if handling a ruptured or leaking battery cell.
<b>Engineering Controls</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
<b>Other Work Practices</b>	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties

<b>Appearance</b>	Cell Battery Solid
<b>Odor</b>	Odorless
<b>Odor threshold</b>	Not determined
<b>pH</b>	Not applicable
<b>Melting point / freezing point</b>	Not applicable
<b>Initial boiling point and boiling range</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Evaporation rate (Ether = 1)</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not applicable <b>Upper Explosive Limit:</b> Not applicable
<b>Vapor pressure (Pa)</b>	Not applicable
<b>Vapor Density</b>	Not applicable



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<b>Specific Gravity</b>	Not available
<b>Solubility in Water</b>	Insoluble
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not applicable
<b>Decomposition temperature</b>	Not available
<b>Viscosity (cSt)</b>	Not applicable

**9.2. Other information**

No other relevant information.

### 10. Stability and reactivity

**10.1. Reactivity**

Hazardous Polymerization will not occur.

**10.2. Chemical stability**

Stable under normal circumstances.

**10.3. Possibility of hazardous reactions**

Hydrogen fluoride gas may be produced in reaction with water.

**10.4. Conditions to avoid**

Avoid exposing battery to high temperatures. Do not incinerate, deform, mutilate, crush, pierce, short circuit or disassemble.

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

Combustible vapors may be released if exposed to fire.

### 11. Toxicological information

**Acute toxicity**

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Lithium Iron Phosphate (LiFePO4) - (15365-14-7)	No data available	No data available	No data available	No data available	No data available
Carbon - (7440-44-0)	10,000.00, Rat - Category: NA	No data available	No data available	64.40, Rat - Category: NA	No data available
Copper - (7440-50-8)	2,500.00, Rat - Category: 5	>2,000.00, Rat - Category: 5	No data available	5.11, Rat - Category: NA	No data available
Aluminum (Al) - (7429-90-5)	No data available	No data available	No data available	No data available	No data available

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Ethylene carbonate - (96-49-1)	No data available	No data available	No data available	No data available	No data available
Carbonic acid, dimethyl ester - (616-38-6)	13,000.00, Rat - Category: NA	5,000.00, Rabbit - Category: 5	140.00, Rat - Category: NA	No data available	No data available
Carbonate, methyl ethyl - (623-53-0)	No data available	No data available	No data available	No data available	No data available
Polypropylene - (9003-07-0)	No data available	No data available	No data available	No data available	No data available
Phosphate(1-), hexafluoro-, lithium - (21324-40-3)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

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## 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Lithium Iron Phosphate (LiFePO <sub>4</sub> ) - (15365-14-7)	Not Available	Not Available	Not Available
Carbon - (7440-44-0)	Not Available	Not Available	Not Available
Copper - (7440-50-8)	0.0103, Pimephales promelas	0.0025, Daphnia magna	0.018 (72 hr), Pseudokirchneriella subcapitata
Aluminum (Al) - (7429-90-5)	Not Available	Not Available	Not Available
Ethylene carbonate - (96-49-1)	Not Available	Not Available	Not Available
Carbonic acid, dimethyl ester - (616-38-6)	Not Available	Not Available	Not Available
Carbonate, methyl ethyl - (623-53-0)	Not Available	Not Available	Not Available
Polypropylene - (9003-07-0)	Not Available	Not Available	Not Available
Phosphate(1-), hexafluoro-, lithium - (21324-40-3)	Not Available	Not Available	Not Available

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Recycling is encouraged. Do NOT dump into sewage or water bodies. Discharge batteries fully and cap terminals before disposal. Handle according to Section 7 and Section 8 to minimize exposure.

Observe all federal, state and local regulations when disposing of this substance.

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### 14. Transport information

**Notes:** The Battery Cells listed in Section 1 are designed to comply with standard international shipping regulations including the UN Recommendations on the Transport of Dangerous Good; the IATA Dangerous Goods Regulations; the International Maritime Dangerous Goods Code; and the US DOT Regulations for the safe transportation of lithium batteries. As required by the regulation directives, the cells have passed the UN Manual of Test and Criteria Part III, Subsection 38.3.

#### Lithium Battery Only

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	UN3480	UN3480	UN3480
<b>14.2. UN proper shipping name</b>	Lithium Ion Batteries	Lithium Ion Batteries	Lithium Ion Batteries
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class: 9</b>	<b>IMDG: 9</b> <b>Sub Class: Not Applicable</b>	<b>Air Class: 9</b> <b>Packing Instruction: 965 (Sec. IA)</b> <b>Additional Instructions: Cargo Aircraft Only</b>
<b>14.4. Packing group</b>			
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No		
<b>14.6. Special precautions for user</b>	No further information		

#### Lithium Battery Contained in ENVOY, MAX, or MAX-X Lane Machine

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	UN3481	UN3481	UN3481
<b>14.2. UN proper shipping name</b>	Lithium Ion Batteries contained in Equipment	Lithium Ion Batteries contained in Equipment	Lithium Ion Batteries contained in Equipment
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class: 9</b>	<b>IMDG: 9</b> <b>Sub Class: Not Applicable</b>	<b>Air Class: 9</b> <b>Packing Instruction: 967 (Sec. I)</b> <b>Additional Instructions: Cargo Aircraft Only</b>
<b>14.4. Packing group</b>			
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No		
<b>14.6. Special precautions for user</b>	No further information		

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### 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act (TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**WHMIS Classification** Not Regulated

**US EPA Tier II Hazards**

**Fire:** No  
**Sudden Release of Pressure:** No  
**Reactive:** No  
**Immediate (Acute):** No  
**Delayed (Chronic):** No

**EPCRA 311/312 Chemicals and RQs (lbs):**

Copper ( 5,000.00)

**EPCRA 302 Extremely Hazardous:**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic Chemicals:**

Aluminum (Al)

Copper

**Proposition 65 - Carcinogens (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Developmental Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Female Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65 - Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**New Jersey RTK Substances (>1%):**

Aluminum (Al)

Carbonic acid, dimethyl ester

Copper

**Pennsylvania RTK Substances (>1%):**

Aluminum (Al)

Carbonic acid, dimethyl ester

Copper

Ethylene carbonate

# Safety Data Sheet

## Lithium Battery

SDS Revision Date:

10/23/2023



### 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H250 Catches fire spontaneously if exposed to air.

H261 In contact with water releases flammable gases.

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H372 Causes damage to organs through prolonged or repeated exposure.

**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as 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 material in any process, unless specified in the text.

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