MATERIAL SAFETY DATA SHEET

Dragonfly Energy and Battle Born Batteries LFP Battery Packs

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BB10012, DF10012

SYNONYMS: Lithium Iron Phosphate Battery, LFP Battery

MANUFACTURER: Dragonfly Energy Corp.
ADDRESS: 4814 Longley Lane
Reno, NV 89519

PHONE: 775-622-3448

CHEMICAL NAME: Lithium Iron Phosphate

CHEMICAL FAMILY: Lithium Ion CHEMICAL FORMULA: LiFePO₄

SECTION 2: COMPOSITION/INGREDIENTS INFORMATION

Under normal use, this battery is not expected to expose user to hazardous ingredients. USA: This battery is an article pursuant to 29 CFR 1910.1200 and, as such, is not subject to the OSHA Hazard Communication Standard requirement. The information contained in this Material Safety Data Sheet contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Canada: This is not a controlled product under WHMIS. This product meets the definition of a "manufactured article" and is not subject to the regulations of the Hazardous Products Act.

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Not dangerous with normal use. The battery should not be disassembled or incinerated. Exposure to the ingredients contained within or their combustion products could be harmful.

APPEARANCE, COLOR, and ODOR: Solid object, no odor.

ROUTES OF ENTRY:

Risk of exposure will only occur if the battery cell is mechanically, thermally, or electrically abused 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:

EYES: 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.

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.

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.

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.

SECTION 4: FIRST AID MEASURES

EYES: Wash affected eye with lukewarm water for at least 30 minutes. Rinse with saline solution if possible. Seek medical attention. SKIN: Wash affected area with lukewarm water for at least 30 minutes. If irritation or pain persists, seek medical attention.

INGESTION: Move victim to fresh air and remove source of contamination from area. Seek medical attention.

INHALATION: Move victim to fresh air and remove source of contamination from area. Seek medical attention.

CAUTION: In all cases if irritation persists, seek medical assistance at once.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water, carbon dioxide, dry chemical powder and foam are most effective means to extinguish a battery fire

FIRE FIGHTING PROCEDURE: Put on fully protective gear, including self-contained breathing apparatus, goggles, fireproofing jacket and gloves.

UNUSUAL FIRE AND EXPLOSION HAZARDS: 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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

The material contained within the batteries cells is only expelled under abusive conditions. Use a shovel and cover battery with sand or vermiculite, place in an approved container and dispose in accordance with section 13.

SECTION 7: HANDLING AND STORAGE

HANDLING: Do not expose battery or cell to extreme temperatures or fire. Do not disassemble, crush or puncture battery.

STORAGE: Insulate positive and negative terminals to avoid short circuit. Store in a cool and well ventilated area and avoid direct sunlight. Elevated temperatures can result in reduced battery life.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Not necessary under normal use. In case of battery or cell rupture, use a self-contained full face respiratory mask.

EYE PROTECTION: Not necessary under normal use. Wear safety goggles if handling a ruptured or leaking battery cell.

HAND PROTECTION: Not necessary under normal use. Wear Viton rubber gloves if handling a ruptured or leaking battery cell.

SKIN PROTECTION: Not necessary under normal use. Wear rubber apron and Viton rubber gloves if handling a ruptured or leaking battery cell.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid	Odor Type:	Odorless
Appearance:	Battery	Odor Threshold:	Not Applicable
pH:	Not Applicable	Evaporative Rate	Not Applicable
Relative Density:	Not Applicable	Auto Ignition Temp (C):	Not Applicable
Boiling Point:	Not Applicable	Flammability Limits (%):	Not Applicable
Melting Point:	Not Applicable	Vapor Pressure:	Not Applicable
Viscosity:	Not Applicable	Vapor Density:	Not Applicable
Oxidizing Properties:	Not Applicable	Solubility in Water	Insoluble
Flash Point & Method (C)	Not Applicable	Water/Oil distribution coef	Not Applicable

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

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

Materials to Avoid: Not Applicable

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

Possibility of Hazardous Reactions: Not available.

SECTION 11: TOXICOLOGICAL INFORMATION

Irritation: Risk of irritation only occurs if battery cells are mechanically, thermally or electrically abused and the enclosure is compromised.

Neurological Effects: Not applicable.

Sensitization: Not applicable.

Teratogenicity: Not applicable.

Reproductive Toxicity: Not applicable.

Mutagenicity (Genetic Effects): Not applicable.

Toxicologically Synergistic Materials: Not available

SECTION 12: ECOLOGICAL INFORMATION

Bioaccumulative potential: Not available.

Persistence and degradability: Not available.

Mobility: Not available.

Ecotoxicity: Not available.

Other adverse effects: Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Recycling is encouraged. Dispose of in accordance with local, state and federal laws and regulations.

USA: Dispose of in accordance with local, state and federal laws and regulations.

Canada: Dispose of in accordance with local, state and federal laws and regulations.

EC: Dispose of in accordance with relevant EC Directives.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Lithium Ion Batteries

HAZARD CLASS: UN3480

ID NUMBER: Not Applicable

PACKING GROUP: PI965 Section I LABEL STATEMENT: See note

WATER TRANSPORTATION

PROPER SHIPPING NAME: Lithium Ion Batteries

HAZARD CLASS: UN3480

ID NUMBER: Not Applicable PACKING GROUP: PI965 Section I LABEL STATEMENT: See note

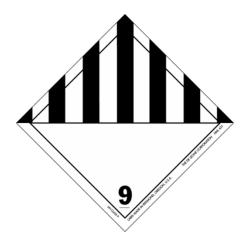
AIR TRANSPORTATION

PROPER SHIPPING NAME: Lithium Ion Batteries

HAZARD CLASS: UN3480

ID NUMBER: Not Applicable PACKING GROUP: P1965 Section I LABEL STATEMENT: See note

NOTES:



Use Class 9 Miscellaneous Dangerous Goods and UN Identification labels for transportation of lithium ion batteries which are assigned Class 9. Refer to relevant transportation documents. Lithium and lithium ion cells and batteries are regulated in the U.S. in accordance with Part 49 of the Code of Federal Regulations, (49 CFR Sections 105-180) of the U.S. Hazardous Materials Regulations.

SECTION 15: REGULATORY INFORMATION

USA

TSCA Status: All ingredients in the product are listed on the TSCA inventory.

SARA Title III: Sec. 302/304: None

Sec. 311/312: None Sec. 313: None CERCLA RQ: None California Prop 65: This product does not contain chemicals know to the State of California to cause cancer or reproductive toxicity.

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification: Not Controlled

New Substance Notification Regulations: All ingredients in the product are listed, as required, on Canada's Domestic Substance List.

NPRI Substances (National Pollutant Release Inventory): This product does not contain any NPRI chemicals.

EC Classification for the Substance/ Preparation

Symbol: This product is not classified as dangerous according to Directive 1999/45/EC and it's amendments.

Risk Phrases: None

Safety Phrases: S2: Keep out of the reach of children.

Disclaimer: The information and recommendations set forth are made in good faith and accurate at the date of preparation. Dragonfly Energy Corp. makes no warranty expressed or implied with respect to this information and recommendations and disclaims all liability from reliance on it.