

## Product Data Sheet

The batteries referenced herein are exempt manufactured articles (section 12(ii)) and are not subject to Canada's Hazardous Products Act (R.S., 1985, c. H-3) requirements for preparation of material safety data sheets. This information is provided as a service to our customers.

### Section I – Product Information

**Identity:** Lithium-Ion Rechargeable Batteries (Li-Ion)      **Date Prepared:** April 20 2007  
**Models:** All

### Section II – Material Ingredient Information

The following materials may be found in E-One Moli Energy lithium-ion rechargeable batteries:

Positive Electrode: Lithiated metal oxides (LiCoO<sub>2</sub> or LiMn<sub>2</sub>O<sub>4</sub>)  
Negative Electrode: Graphitic Carbon  
Binder(s): Polyvinylidene difluoride  
Electrolyte: Lithium hexafluorophosphate and organic solvents including one or more of the following: ethylene carbonate, diethyl carbonate, dimethyl carbonate, ethylmethyl carbonate and propylene carbonate.

Do not crush, puncture, incinerate, immerse in water or heat over 100°C. The steel casing slowly dissolves in strong mineral oxides. Exposure to battery contents may be harmful. In case of exposure, wash affected area with liberal amounts of water for at least 15 minutes and seek medical attention. Fires involving batteries should be extinguished with water, CO<sub>2</sub>, dry chemical powder or foam.

### Section III - Disposal

E-One Moli Energy (Canada) Limited batteries contain recyclable materials and recycling is encouraged. Some jurisdictions require recycling, consult and obey international, federal, provincial/state and local hazardous disposal laws. Do not dispose of in fire. These batteries are non-hazardous waste and are safe for disposal in normal waste streams.

### Section IV – Transportation

Not regulated. This product is made from materials with no detectable mercury or lead.

These batteries comply with industry and legal shipping regulations and standards including: UN amendments to the third Revised Edition of the recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria; US Department of Transportation (DOT) regulations for the safe transport of Li-ion consumer batteries; ICAO; and IATA Dangerous Goods Regulations, Special Provisions A45, A88 or A99 as applicable. Classified as non-dangerous goods.

These batteries are tested, packaged and labeled in accordance with these transportation regulations.

Lithium content: As per Section 38.3.2 of the UN Manual of Tests and Criteria (ST/SG/AC.10/11/27 Add. 2): Equivalent grams of lithium is equal to 0.3 times the rated Amp-hour capacity of the individual cell, regardless of cell size.  
1.8 Ah = 0.54 g 2.0 Ah = 0.60 g 2.2 Ah = 0.66g 2.4 Ah = 0.72 g

For transportation emergencies involving E-One Moli Energy (Canada) Battery products, call 1-604-466-6654

### Section V – Regulatory Compliance

UL (Underwriters Laboratories Inc) 1642 recognized component. Listing number MH13806

ROHS Compliant per Directive 2002/95/EL of the European Parliament and of the Council of 27 January 2003.