

Product Information Sheet

Fedco Electronics, Inc.

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Product:

Lithium-ion Batteries (Li-ion)

Applicable Models & Sizes:

All **ENERGY+**® Cylindrical and Prismatic
Lithium Cobalt type Battery Packs.

Revision:

Rev C - Dated January 1, 2009

MSDS

Material Safety Data Sheets (MSDS) are a sub-requirement of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR Subpart 1910.1200. This Hazard Communication Standard does not apply to various subcategories including anything defined by OSHA as an "article". OSHA has defined "article" as a manufactured item other than a fluid or particle; (i) which is formed to a specific shape or design during manufacture; (ii) which has end use function(s) dependent in whole or in part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g. minute or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees.

Because all of our Batteries are defined as "articles", they are exempt from the requirements of the Hazard Communication Standard; hence an MSDS is not required.

The following components are found in an **ENERGY+**® Lithium-ion battery pack.

Positive Electrode:	Lithium Cobalt Oxide	LiCoO ₂
Negative Electrode:	Graphite	C
Electrolyte:	Ethylene Carbonate – Solvent	C ₃ H ₄ O ₃
	Diethyl Carbonate – Solvent	C ₅ H ₁₀ O ₃
	Lithium Hexafluorophosphate – Salt	LiPF ₆

TRANSPORTATION

Effective January 1, 2009 all Fedco Electronics' **ENERGY+**® lithium ion battery packs can be transported under the 50th Edition of the International Air Transport Association (IATA) Dangerous Goods Regulations - Packing Instruction 965 (Part 1) Lithium-ion cells and batteries.

Currently these batteries are regulated by the International Maritime Organization (IMO) under Special Provisions 188 and 230. These regulations will stay in effect until January 1, 2010 when Special Provisions 188 and 230 will be updated.

FIRST AID

If you get electrolyte in your eyes, flush with water for 15 minutes without rubbing and immediately contact a physician. If you get electrolyte on your skin wash the area immediately with soap and water. If irritation continues, contact a physician. If the battery is ingested, call the National Capital Poison Center (NCPC) at 202-625-3333 (Collect) or your local poison center immediately.

GENERAL RECOMMENDATIONS

CAUTION: Risk of fire, explosion and burns. Do not short-circuit, crush, incinerate or disassemble battery.

FIRE SAFETY

CO₂ extinguishers or copious quantities of water or water-based foam can be used to cool down burning lithium-ion batteries. Burning of these batteries will generate toxic fumes. Fire fighters should use self-contained breathing apparatus.

DISPOSAL:

All rechargeable batteries should be recycled. Fedco Electronics, Inc. pays license fees to the Rechargeable Battery Recycling Corporation (RBRC) to help fund a North American recycling program. FOR RECYCLING INFORMATION IN THE UNITED STATES AND CANADA, CALL 1-800-BATTERY or visit www.rbrc.org, and enter your ZIP Code in the box provided to find a drop off site near you.