


PRODUCT SAFETY DATA SHEET

IDENTITY	Product Category	: Lithium-Ion Polymer Rechargeable Battery
	Model Name	: US503759
	Nominal Capacity	: 1370 mAh
	Average Operating Voltage	: 3.7 V
	Chemical System	: Lithium Cobalt Oxides/ Carbon
	Designed for Recharge	: <input checked="" type="checkbox"/> Yes. <input type="checkbox"/> No.

With regard to air transport, the International Civil Aviation Organization (ICAO) Packing Instruction 965 complies the Recommendation as is; further, the International Air Transport Association (IATA) adopts ICAO Packing Instruction 965. In addition, the regulations of the US Department of Transportation for land, sea and air transportation are based on the UN Recommendations.

SECTION I MANUFACTURER'S INFORMATION

Manufacturer's Name	: Sony Energy Devices Corp. (Previous: Sony Fukushima Corp.)
Supplier's Name	: Sony Corporation Chemical & Energy Business Group
Supplier's Address	: 1-7-1 Konan, Minato-ku, Tokyo, 108-0075 Japan
Information Telephone	: +81-3-6748-4019
Emergency Telephone	: +81-3-6748-4012
Date Prepared	: Dec. 24, 2008
Signature of Paper	: 

SECTION II MATERIALS AND INGREDIENTS INFORMATION

IMPORTANT NOTE: The battery should not be opened or burned since the following ingredients contained within the battery that could be harmful under some circumstance if exposed or misuse.

The battery contains neither metallic lithium nor lithium alloy.

Cathode	: Lithium Cobalt Oxides	(active material)
	Polyvinylidene Fluoride	(binder)
	Graphite	(conductive material)
Anode	: Graphite	(active material)
	Polyvinylidene Fluoride	(binder)
Electrolyte	: Organic Solvent	(gel type electrolyte)
	Lithium Salt	
Others	: Heavy metals such as Mercury, Cadmium, Lead, and Chromium are not used in the batteries.	

SECTION III FIRE HAZARD DATA

In case of fire, use CO₂ or dry chemical extinguishers.

SECTION IV HEALTH HAZARD DATA

Under normal condition of use, these chemicals are contained in aluminum laminated film bag. Risk of exposure occurs only if the battery is mechanically abused.

- Inhalation** : Contents of an opened battery can cause respiratory irritation.
Provide fresh air and call a doctor.
- Skin Contact** : Contents of an opened battery can cause skin irritation.
Wash skin with soap and water.
- Eye Contact** : Contents of an opened battery can cause eye irritation.
Immediately flush eyes thoroughly with water for at least 15 minutes. Seek medical attention.

SECTION V PRECAUTIONS FOR SAFE HANDLING AND USE

- Storage** : Store within the recommended limit of -20°C to 45°C (-4°F to 113°F), well-ventilated area. Do not expose to high temperature (60°C/140°F). Since short circuit can cause burn hazard or gas release, do not store with metal jewelry, metal covered tables, or metal belt.
- Handling** : Do not disassemble, crush, or solder. Do not short + and - terminals with a metal. Do not open the battery.
- Charging** : Charge within the limits of 0°C to 45°C (32°F to 113°F) temperature.
Charge with specified charger designed for this battery.
- Discharging** : Discharge within the limits of -20°C to 60°C (-4 °F to 140°F) temperature.
- Disposal** : Dispose in accordance with applicable federal, state and local regulation.
- Caution** : Fire, Explosion, and Severe Burn Hazard. Do not Crush, Disassemble, Heat Above 100°C/212°F, or Incinerate.

SECTION VI SPECIAL PROTECTION INFORMATION

- Respiratory Protection** : Not necessary under normal use.
- Ventilation** : Not necessary under normal use.
- Eye Protection** : Not necessary under normal use.
- Protective Gloves** : Not necessary under normal use.

DISCLAIMER

The information contained within is provided for your information only.

The information and recommendations set forth herein are made in good faith and are believed to be accurate as of the date of preparation.

However, Sony Corp. Chemical & Energy Business Group MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS INFORMATION AND DISCLAIMS ALL LIABILITY FROM RELIANCE ON IT.

Certification of "Non-Dangerous Goods"

Lithium ion batteries containing no more than 20Wh/cell and 100Wh/battery pack Watt-hour rating can be treated as "non-dangerous goods" under the United Nations Recommendations on the Transport of Dangerous Goods, Special Provision 188, provided that packaging is strong and prevent the products form short-circuit.

With regard to air transport, the International Civil Aviation Organization (ICAO) Packing Instruction 965 complies the Recommendation as is; further, the International Air Transport Association (IATA) adopts ICAO Packing Instruction 965. In addition, the regulations of the US Department of Transportation for land, sea and air transportation are based on the UN Recommendations.

The following lithium ion cell and battery pack fulfill the conditions of the UN Recommendations on the Transport of Dangerous Goods, Special Provision 188 (ICAO Packing Instruction 965) and can be treated as "non-dangerous goods".

IDENTITY	Product Category	: Lithium-Ion Polymer Rechargeable Cell
	Model Name	: US503759
	Nominal Capacity	: 1370[mAh]
	Voltage	: 3.7 V
	Configuration of cell	: One Cell
	Watt-hour Rating	: 5.1 [Wh] for cell
	Manufacturer	: Sony Energy Devices Corp. (Previous Company Name: Sony Fukushima Corp.)
	Supplier	: Sony Corp. Chemical & Energy Business Group


Tadashi Suzuki / Senior Manager

Energy Quality Assurance Dept.
Chemical & Energy Business Group, Sony Corporation

SONY

Sony Energy Devices Corp.

1-1 Shinosugita Takakura Iiwake-machi Koriyama-shi Fukushima 983-0531 JAPAN

Phone: 81-24-958-5927

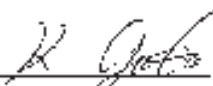
Fax: 81-24-958-5997

Date: 25/January/2005

Letter of Confirmation

We, Sony Energy Devices Corporation, hereby certifies the following model made in Japan do not contain Mercury and meets the environmental regulations in People's Republic of China on battery products.

Product Category: Lithium Ion Rechargeable Battery
Model: US503759
Nominal Capacity: 1370 mAh
Manufacturer: Sony Energy Devices Corporation
(Previous Company Name: Sony Fukushima Corporation)
Supplier: Sony Corporation
Micro Systems Network Company Energy Company



Kiyoshi Goto / Manager
E Co. Customer Services Center
Sony Energy Devices Corporation

Sony Corporation Chemical&Energy Business Group

1-7-1 Konan, Minato-ku, Tokyo, 108-0075 Japan

Phone: 03-6748-4019 / Fax: 03-6748-4020

リチウムイオン電池認証書

Lithium-ion rechargeable(polymer) cell or battery Certification

No:023474

Date:2008/12/22

1. 単電池/cell 組電池/battery(pack) (セル構成/composition of cell : _____)
2. 機種名/customer model name : UQ50I Sony model name : US503759A8H
3. 顧客名/customer : Taiwan uniform model / China uniform model _____
4. 国連勧告テスト結果/Test results of the UN Recommendations on the Transport of Dangerous Goods

国連勧告テスト及び判定基準 (38.3 リチウム電池)		テスト結果/ test results	備考/remarks
NO	テスト項目 test item		
T1	高度シミュレーション/Altitude simulation	OK	
T2	温度試験/Thermal test	OK	
T3	振動/Vibration	OK	
T4	衝撃/Shock	OK	
T5	外部短絡/External short circuit	OK	
T6	内部短絡/Impact	OK	
T7	過充電/Overcharge	-	単電池は対象外/for pack only
T8	強制放電/Forced discharge	OK	組電池は対象外/for cell only

5. 定格/rated

項目/item	規格値/specification	備考/remarks
公称電圧/nominal voltage	3.7V	
公称容量/nominal capacity	1370mAh	
エネルギー量(Wh) /Watt-hour	5.1Wh	単電池≤20Wh 組電池≤100Wh cells ≤20Wh batteries≤100Wh

上記テスト結果は国連勧告試験(Manual of Tests and Criteria Rev15, Part III, sub-section 38.3)に従い確認した結果であることを証明いたします。

We, Sony Corporation Energy Business Group, hereby certify that above results are confirmed in accordance with the Manual of Tests and Criteria of the UN Recommendations on the Transport of Dangerous Goods, Rev15, Part III, sub-section 38.3.



Masaaki Yokokawa / General Manager
LI Quality Assurance Department
Sony Energy Devices Corporation

