PRODUCT SAFETY DATA SHEET

IDENTITY
Product Category: Lithium-Ion Polymer Rechargeable Battery
Model Name: US503769
Nominal Capacity: 1370 mAh
Average Operating Voltage: 3.7 V
Chemical System: Lithium Cobalt Oxides/Carbon
Designed for Recharge: ☒ Yes. ☐ No.

With regard to air transport, the International Civil Aviation Organization (ICAO) Packing Instruction 965 complies with 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. 34, 2008
Signature of Paper: [Signature]

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 circumstances if exposed or misused.

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 (50°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 Fujikuma Corp.)
Supplier : Sony Corp. Chemical & Energy Business Group

Tadashi Suzuki / Senior Manager
Energy Quality Assurance Dept.
Chemical & Energy Business Group, Sony Corporation
Letter of Confirmation

We, Sony Energy Devices Corporation, hereby certify 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
## Lithium-ion rechargeable(polymer) cell or battery Certification

**No:** 023474  
**Date:** 2009/12/22

1. 単電池／cell □組电池／battery pack (セル構成／composition of cell：)

2. 顧客名／customer model name：UQ50L  
   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

<table>
<thead>
<tr>
<th>NO</th>
<th>テスト項目 test item</th>
<th>テスト結果/ test results</th>
<th>備考／remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1</td>
<td>高度シミュレーション／Altitude simulation</td>
<td>OK</td>
<td></td>
</tr>
<tr>
<td>T2</td>
<td>温度試験／Thermal test</td>
<td>OK</td>
<td></td>
</tr>
<tr>
<td>T3</td>
<td>振動／Vibration</td>
<td>OK</td>
<td></td>
</tr>
<tr>
<td>T4</td>
<td>駆け／Shock</td>
<td>OK</td>
<td></td>
</tr>
<tr>
<td>T5</td>
<td>外部短絡／External short circuit</td>
<td>OK</td>
<td></td>
</tr>
<tr>
<td>T6</td>
<td>内部短絡／Impact</td>
<td>OK</td>
<td></td>
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<tr>
<td>T7</td>
<td>過充電／Overcharge</td>
<td>－</td>
<td>単電池は対象外／for pack only</td>
</tr>
<tr>
<td>T8</td>
<td>強制放電／Forced discharge</td>
<td>OK</td>
<td>組電池は対象外／for cell only</td>
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5. 定格／rated

<table>
<thead>
<tr>
<th>項目／item</th>
<th>規格値／specification</th>
<th>備考／remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>公称電圧／nominal voltage</td>
<td>3.7V</td>
<td></td>
</tr>
<tr>
<td>公称容量／nominal capacity</td>
<td>1370mAh</td>
<td></td>
</tr>
</tbody>
</table>
| エネルギー量(Wh)／Watt-hour | 5.1Wh                 | 甲電池≤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