SONY

Sony Corporation Core Component Business Unit Energy Business Group
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No: EQ-06014

PRODUCT SAFETY DATA SHEET

IDENTITY	Product Category	: Lithium-Ion Rechargeable Battery
	Model Name	: US18650VT
	Nominal Capacity	: 1080 mAh
	Average Operating Voltage	: 3.7 V
	Chemical System	: Lithium Transition Metal Oxides / Carbon
	Designed for Recharge	: ☒ Yes. ☐ No.

With regard to air transport, the International Civil Aviation Organization (ICAO) Special Provision A45 accepts the above UN Recommendation as is; further, the International Air Transport Association(IATA) adopts ICAO Provision A45. 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. Koriyama Plant (Previous: Sony Fukushima Corp.)
Supplier's Name	: Sony Corporation Core Component Business Unit Energy Business Group
Supplier's Address	: 4-12-3, Higashishinagawa, Shinagawa-ku, Tokyo 140-0002 Japan
Information Telephone	: +81-3-6834-5068
Emergency Telephone	: +81-3-6834-5387
Date Prepared	: Apr. 12, 2006
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 Nickel Cobalt Oxides/Lithium Manganese Oxides	(active material)
		Polyvinyldiene Fluoride	(binder)
		Graphite	(conductive material)
Anode	:	Graphite	(active material)
		Polyvinyldiene Fluoride	(binder)
Electrolyte	:	Organic Solvent	(non-aqueous liquid)
		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 CO_2 or dry chemical extinguishers.

SECTION Ⅳ HEALTH HAZARD DATA

Under normal condition of use, these chemicals are contained in sealed can. 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 -30°C to 50°C (-22°F to 122°F), well-ventilated area. Do not expose to high temperature (60°C/140°F). Since short circuit can cause burn hazard or safety vent to open, 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, Desassemble, Heat Above 100°C/212°F, or Incinetate.

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.

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