

GRAINGER®

SONY FUKUSHIMA**LITHIUM-ION RECHARGEABLE BATTERY****Revised: 1/30/2003****MSDS Contents**[SECTION I MANUFACTURER'S INFORMATION](#)[SECTION II HAZARDOUS INGREDIENTS](#)[SECTION III FIRE HAZARD DATA](#)[SECTION IV HEALTH HAZARD DATA](#)[SECTION V PRECAUTIONS FOR SAFE HANDLING AND USE](#)[SECTION VI SPECIAL PROTECTION INFORMATION](#)**Item Number:**

3XA69, 3XA71

Mfg. Model Number:

855-01, 8000

SONY

SONY FUKUSHIMA CORPORATION KORIYAMA PLANT
1-1 AZA-SHIMOSUGISHITA, TAKAKURA
HIWADA-MACHI, KORIYAMA-SHI
FUKUSHIMA 963-0531
JAPAN

PHONE: 81-249-3811

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PRODUCT SAFETY DATA SHEET

IDENTITY:

PRODUCT CATEGORY: LITHIUM-ION RECHARGEABLE BATTERY

MODEL NAME: US18650VT

NOMINAL CAPACITY: .1090AH (AT 4.1V CHARGE)

AVERAGE OPERATING VOLTAGE: 3.6 V

CHEMICAL SYSTEM: LITHIUM METAL OXIDE/CARBON

DESIGNED FOR RECHARGE:

☒ YES.☐ NO.

SECTION I MANUFACTURER'S INFORMATION

MANUFACTURER'S NAME: SONY FUKUSHIMA CORPORATION KORIYAMA PLANT

SUPPLIER'S NAME: SONY CORP. CORE TECHNOLOGY & NETWORK COMPANY ENERGY CO.

SUPPLIER'S ADDRESS:

1-11-1 OOSAKI, SHINAGAWA-KU

TOKYO 141-0032

JAPAN

INFORMATION TELEPHONE:

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DATE PREPARED: JANUARY 30, 2003

SIGNATURE OF PAPER: YASUNOBU KOGA

SECTION II HAZARDOUS INGREDIENTS

IMPORTANT NOTE:

THE BATTERY SHOULD NOT BE OPENED OR BURNED SINCE THE FOLLOWING INGREDIENTS CONTAINED WITHIN THE PRODUCT THAT COULD BE HARMFUL UNDER SOME CIRCUMSTANCE IF EXPOSED OR MISUSE.

THE BATTERY CONTAINS NEITHER METALLIC LITHIUM NOR LITHIUM ALLOY.

CATHODE:

LITHIUM-METAL OXIDE (ACTIVITY MATERIAL)

POLYVINYLDIENE FLUORIDE (BINDER)

GRAPHITE (CONDUCTIVE MATERIAL)

ANODE:

CARBON (ACTIVITY MATERIAL)

POLYVINYLDIENE FLUORIDE (BINDER)

ELECTROLYTE:

ORGANIC SOLVENT (NON-AQUEOUS LIQUID)

LITHIUM SALT

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 SEALED CAN. RISK OF EXPOSURE OCCURS ONLY IF THE CELLS ARE MECHANICALLY ABUSED.

INHALATION:

CONTENTS OF AN OPENED CELL CAN CAUSE RESPIRATORY IRRITATION. PROVIDE FRESH AIR AND CALL A DOCTOR.

SKIN CONTACT:

CONTENTS OF AN OPENED CELL CAN CAUSE SKIN IRRITATION. WASH SKIN WITH SOAP AND WATER.

EYE CONTACT:

CONTENTS OF AN OPENED CELL 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 IN A COOL, WELL-VENTILATED AREA. DO NOT EXPOSE TO HIGH TEMPERATURE (60 DEG. C).

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 AT TEMPERATURE LOWER THAN 45 DEG. C.
CHARGE WITH SPECIFIED CHARGER DESIGNED FOR THIS BATTERY.

DISCHARGING: DISCHARGE AT TEMPERATURE LOWER THAN 60 DEG. C.

WARNING:

FIRE, EXPLOSION, AND SEVERE BURN HAZARD. DO NOT CRUSH, DISASSEMBLE, HEAT ABOVE 100 DEG. C, 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.