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## Product Safety Data Sheet (PSDS)

### SECTION 1- Identification

Product Name: SOLA 2 Cell 2012 Models:  
SOLA 500  
SOLA 800  
SOLA 1200  
SOLA 2000

Type: Rechargeable LED light

Intended Use: Waterproof outdoor, sports, photography and video lighting

Weight / Mass:  $\leq 288\text{g}$  ( $\leq 0.634\text{lbs}$ )

Lumen Output:  $\leq 2000$  Lumens

Manufacturer: Light & Motion Industries

Address: 300 Cannery Row  
Monterey, CA 93940

Information: <http://www.lightandmotion.com>

### SECTION 2- Hazards Identification

**Heat from operation:** Heat, up to  $65^{\circ}\text{C}$  ( $149^{\circ}\text{F}$ ), is dissipated through the Aluminum Bezel.

**Internal Batteries:** The lights contain an internal, non-removable, rechargeable Lithium Ion Battery.

### SECTION 3- Ingredients

- Internal Rechargeable Lithium Ion Battery; 2 Cell,  $\leq 7.2\text{V}$ , 3100mAh, 22.3Whr.
- Plastic outer body.
- Aluminum outer bezel.
- Internal electronic boards including Light Emitting Diodes (LEDs).

### SECTION 4- First Aid Measures

**Ingestion:** Not a likely means of exposure.

**Inhalation:** Not a likely means of exposure.

**Eye Contact:** Do not stare directly into the light.

**Skin contact:** Avoid skin contact with the aluminum outer bezel to prevent minor burns. Attend any injuries with proper first aid.

### SECTION 5- Fire Fighting Measures

- Use dry chemical, CO<sub>2</sub>, water spray or regular foam to extinguish a fire.

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- Wear positive pressure self-contained breathing apparatus (SCBA).
  - Stay upwind.
  - Structural firefighters' protective clothing will only provide limited protection.
  - Consult the 2008 Emergency Response Guide (ERG) 147 for more information.

## **SECTION 6- Accidental Release Measures**

The SOLA lights do not meet any criteria established for addressing this section.

## **SECTION 7- Handling and Storage**

Rinse and dry the SOLA before storing. Refer to the Owners Manual for proper operating instructions and handling. For storage, the SOLA light should be in an off state, and the slider switch in the locked position to prevent accidental activation.

We recommend the SOLA be packed within the Light & Motion zipper bag provided to you. Store the SOLA unit in a cool dry place. Avoid direct contact with plastic or neoprene and the aluminum front bezel of the SOLA within storage; this will prevent superficial heat related damage to those materials in case of accidental activation.

**DO NOT OPEN** the SOLA units. Warranty is voided if the unit is disassembled or bezel seal is broken.

## **SECTION 8- Exposure Controls / Personal Protection**

Refer to the Owner's Manual for proper operating instructions.

To prevent accidental activation, twist the slider switch knob to its locking position. The SOLA lights have heat management circuitry and software for safe operation. The internal Lithium Ion battery includes built in fuses and circuit protection to prevent short circuits, over-charge or over-discharge.

Although the SOLA lights maintain a safe-to-touch maximum external temperature of 65° C (149° F), we recommend avoiding skin contact with the front metal bezel in the event of above water operation.

**DO NOT OPEN** the SOLA units; it is intended to be sealed for your safety and warranty. All components are housed in a sealed, waterproof unit.

## **SECTION 9- Physical and Chemical Properties**

When turned on, the LEDs heat up and dissipate heat to the environment through the front aluminum bezel. In air, the SOLA lights are proven to be safe to touch in all environments. SOLA lights run cooler in water.

## **SECTION 10- Stability and Reactivity**

The SOLA lights do not meet any criteria established for addressing this section.

## **SECTION 11- Toxicological Information**

The SOLA lights are non-toxic under normal use.

## **SECTION 12- Ecological Information**

The SOLA lights are non-toxic to the environment under normal use. Do not discard. Refer to Disposal instructions in the next section.

## **SECTION 13- Disposal**

Check local rules and regulations for instructions on electronic waste disposal. Please see the recycle label on the SOLA near the mount base. Do not crush, or incinerate.

## **SECTION 14- Transport Information**

The SOLA lights should be in an OFF state, and the slider switch **MUST BE** in the locked position to prevent accidental activation during transportation (ref. Owners Manual). **DO NOT OPEN** the SOLA units.

We recommend the SOLA be packed within the Light & Motion zipper bag provided to you. Avoid direct contact with plastic or neoprene and the aluminum front bezel of the SOLA within your luggage or package; this will prevent cosmetic heat related damage to those materials in case of accidental activation during shipment, or transportation. Securely pack the lights within cotton, polyester or fleece material in your luggage for safe transport.

These SOLA models comply with Packing Instructions 967 for UN3481 (rechargeable Li-Ion contained in equipment) as required by the ICAO Transport of Lithium Batteries Guidance Document and IATA Dangerous Goods Regulations. The rechargeable batteries in the SOLA models specified in this document contain an ELC of less than 2 grams and is less than 100Whr. All SOLA batteries comply with US ST/SG/AC.10/27/Add.2 for rechargeable batteries.

## **SECTION 15- Regulatory Information**

This product meets FCC regulations. All SOLA models listed here bear the CE marking certifying that these products have met EU consumer safety, health or environmental requirements. The SOLA models specified in this document each contain a rechargeable Lithium Ion battery, and its transportation is regulated within the United States in accordance with Part 49 of the Code of Federal Regulations, (49 CFR Sections 100-185) of the US Hazardous Materials Regulations (HMR); the international transportation is regulated by the International Civil Aviation Organization (ICAO) Technical Instructions and corresponding International Air Transport Association (IATA) Dangerous Goods Regulations, and the International Maritime Dangerous Goods (IMDG) Code.

## **SECTION 16- Other Information**

For more information, visit <http://www.lightandmotion.com>