

Electricity (Safety) Regulations - Urgent Instruction Under Regulation 110

Pursuant to Regulation 110(2)(b) of the Electricity (Safety) Regulations 2010 ("Regulations"), I, Wayne Anthony Vernon, General Manager, High Hazards and Energy Safety, WorkSafe New Zealand, give the following urgent instruction.

Notice

1. Commencement—This urgent instruction takes effect on **1 June 2016**.

2. Application—This urgent instruction applies to the following products, intended for use in providing medical or dental treatment, and as further described in clause 4:

- a. LumaDent battery pack (including internal batteries) Model: BP500v3.1 (or similar); and
- b. any charger supplied for use with a LumaDent battery pack.

This urgent instruction does not apply to a LumaDent battery pack if the battery pack is charged by a charger capable of preventing overcharging of the battery pack, and holds a valid supplier declaration of conformity in accordance with Regulation 83 of the Regulations or is a registered EESS product in accordance with Regulation 83A of the Regulations.

3. Urgent instruction—LumaDent battery packs must not be placed on charge except in accordance with the following instructions:

- i. Battery packs may be charged only using a charger that is:
 - A. supplied by the manufacturer of the LumaDent battery pack and listed on the battery pack as being the correct model of charger to use with the battery pack.
- ii. Battery packs must not be charged for a period exceeding one hour.
- iii. Battery packs may be recharged only once the battery is considered discharged.
- iv. The power supply to the battery pack must be used through a timer circuit or outlet that only allows the battery pack to be charged for a period of one hour.
- v. This timer circuit or outlet must be installed, and verified weekly, by an electrician, or a person authorised by the hospital to install or maintain hospital electrical equipment, as applicable.
- vi. Battery packs must not be charged in an operating theatre while the theatre is in use.
- vii. A person, other than a patient, must be present in the room where the battery pack is being charged while the battery pack is connected to the power supply.

4. Description of fittings to which this urgent instruction applies:

- a. Fittings meeting the definition of a LumaDent battery pack Model: BP500v3.1 (or similar) to which this notice applies are further described below:
 - i. The battery packs are designed to be connected to a head torch.
 - ii. They may be in use in hospitals by surgeons.
 - iii. They may have been supplied with a charger Model SW-084120 or similar.
 - iv. They may have been sold in New Zealand by Carl Zeiss (NZ) Limited.
 - v. They may have been imported directly into New Zealand by users.
 - vi. Characteristics of the LumaDent battery pack are below:
 - They may have a plastic body.
 - They may have a clip on the rear to enable the battery pack to be hung on a belt or head band.
 - They may have a silver coloured label on the battery pack.
 - They may have an on/off switch.
 - They may have a knob to adjust the lamp brightness.
 - They may have a plug designed to permit a charger to be connected to the battery pack.
 - They may have a label indicating the voltage is 7.4V.
 - vii. The image below shows a view of an example of the affected battery pack for identification purposes:



- b. Fittings meeting the definition of a charger model number F074-012-W or SW-084120:
- i. Chargers are designed to be connected to a LumaDent battery pack.
 - ii. They may be in use in hospitals by surgeons.
 - iii. They may have been supplied with a LumaDent battery pack or head torch.
 - iv. They may have been sold in New Zealand by Carl Zeiss (NZ) Limited.
 - v. They may have been imported directly into New Zealand by users.
 - vi. Characteristics of the chargers are below:
 - They may have a plastic body.
 - They may have two pins to connect to a New Zealand power socket.
 - They may have wording similar to “Class two battery charger”.
 - They may have a wire exiting the bottom of the housing.
 - They may have markings indicating “CE”, “FCC”, “Double insulated” and “UL”.
 - They may have a caution message on a label.
 - They may have an LED on the housing.
 - vii. The image below shows a view of an example charger:



6. Expiry—This urgent instruction expires six months after the date of publication.

This urgent instruction is available for view on the Energy Safety website:

www.energysafety.govt.nz

Dated at Wellington this 20th day of May 2016.

WAYNE ANTHONY VERNON, General Manager, High Hazards and Energy Safety, WorkSafe New Zealand.

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