

SAFETY DATA SHEET (SDS)

**Manufacturer:**

Greenlee®

Product Name:

Greenlee® Battery-Powered Micro Ferrule Crimper Tool Kit with 13.8 mm Jaw - 110V

Manufacturer Part Number:

EK50ML13811

▶ Click here for more details on the Greenlee® Battery-Powered Micro Ferrule Crimper Tool Kit with 13.8 mm Jaw - 110V

GREENLEE.

SAFETY DATA SHEET

Section 1 – Product & Company Identification

Product Name:	GREENLEE MBP108 Battery 10.8V, 1.5AH Li-Ion
Product Catalog No:	MBP108
Product ID No:	52068605
Nominal Voltage:	10.8 V d.c.
Nominal Capacity:	1.5 Ah
Nominal Energy:	90 Wh
Recommended Use:	For use with Greenlee EK50 Crimpers
Restrictions on Use:	Industrial use only
Company Information:	

North America

GREENLEE TOOLS, INC.
4455 Boeing Drive
Rockford, Illinois 61109-2932
1-800-435-0786
(8:00 am – 5:00 pm CST, M-F)
Emergency Telephone
call 9-1-1 or local emergency number
www.Greenlee.com

Canada

Emerson Electric Canada Limited
66 Leek Crescent , Richmond Hill,
Ontario L4B 1H1
905-762-1010

Revision:

B

Issue Date:

January 12, 2024

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

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Section 2 – Hazards Identification

Classification:

This lithium ion rechargeable battery has a nominal energy < 100Wh. There are special provisions in the different transportation regulations.

Hazards:

Lithium-ion batteries may present a risk of fire or explosion or chemical burn when mistreated. Do not short circuit, puncture, incinerate, crush, immerse, force discharge or expose to temperatures above the declared operating temperature range of the product. Read instructions carefully. Under normal conditions of use, the chemicals and metals are contained in a sealed can and are not exposed to the outside. Risk of exposure only in case of abuse (mechanical, thermal, electrical) which leads to the activation of safety valves and/or the rupture of the battery housing. Electrolyte leakage, electrode materials reaction with moisture/water or battery vent/ fire/explosion may follow, depending on the circumstances.

Toxicity:

If a battery burns, the vapors can irritate eyes, skin and the respiratory tract.

Section 3 – Composition / Information On Ingredients

The Battery contains the following.

Portion	Material name	Concentration range (wt %)	CAS number
Positive electrode	Lithium transition metal oxidate (Li[M]m[O]n *2)	20~60	12190-79-3 12057-17-9 182442-95-1
Positive electrode's base	Aluminum	1~10	7429-90-5
Negative electrode	Carbon	10~30	7440-44-0
Negative electrode's base	Copper	1~15	7440-50-8
Electrolyte (proprietary)	Organic electrolyte principally involves ester carbonate	5~25	Confidential
Outer case	Aluminum, iron, aluminum laminated plastic	1~30	7429-90-5 7439-89-6

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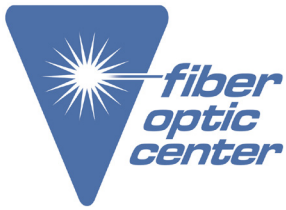
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Section 4 – First Aid Measures

The chemicals are contained in sealed cans. Upon normal conditions of use, risk of exposure occurs only if the battery is mechanically abused.

If chemicals leak follow the instructions:

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 15 minutes and seek medical attention.

Section 5 – Fire Fighting Measures

In case of fire:

Use only dry chemical extinguishers.

Caution:

Before starting to extinguish the fire, be sure, that you are at windward of fire. So you cannot inhale toxic vapors.

Section 6 – Accidental Release Measures

Wipe up leaked electrolyte fluid with an absorbent cloth.

If there is a lot of leaked electrolyte, you should wear:

Protective clothing
Gas mask for organic gases
Safety goggles
Protective gloves

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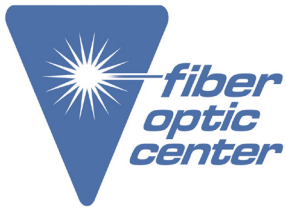
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Section 7 – Handling And Storage

Handling:	Do not open the battery. Do not crush, disassemble, drop or solder.
Charging:	Charge within limits of +32 °F to +113 °F temperature Charge only with specified charger designed for this battery.
Discharging:	Discharge within limits of -4 °F to +140 °F temperature.
Caution:	Wrong handling can cause fire or explosion.
Storage:	Temperature: -4 °F to +113 °F less than 3 months Humidity range: 0 % to 80 % Well ventilated area Short circuit can ransom burn. Do not store with metal objects.

Section 8 – Exposure Controls / Personal Protection

Advices according point 7 must be observed. Monitor that storage temperature is within boundaries at all times. Also assure good ventilation and humidity range within boundaries. For normal use, no protective equipment is required.

Section 9 – Physical And Chemical Properties

Appearance:	3 cells in housing.
Weight:	200 g
Chemical properties:	see Point 3

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Section 10 – Stability And Reactivity

During a storage over 12 months the capacity will be reduced and the lifespan of the battery will be shorter. If in any case or circumstance the leaking of electrolyte occurs, the plastic housing can be damaged.

Section 11 – Toxicological Information

Upon normal use there will be no leaking and, hence, there will be no contact with toxic ingredients of the battery.

Section 12 – Ecological Information

In case of normal use of the battery, environmental pollution does not occur. However, the battery contains chemicals that can endanger the environment. When disposing of used batteries, always follow the instructions as described under point 13.

Section 13 – Disposal Consideration

The battery is hazardous waste.

It is not allowed to dispose it with common waste.
If the battery is unusable, dispose it according to the applicable recycling regulations.

Section 14 – Transportation Information

General Explication

Limiting regulations are applicable for shipping of these goods by air, road, rail or sea.
Please find references to these regulations stated below.
Since legislation is subject to frequent change, the transporter shall ensure that goods are transported according legislation that is valid and applicable at the time of shipping. If required, please contact the manufacturer for assistance in these matters.

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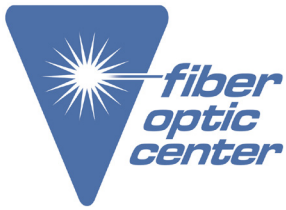
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**Transportation
according to Guideline
UN 3480/3481 (1).**

The regulations for batteries with nominal energy ≤ 100 Wh have to be used.
The battery must be protected against short circuit.

Transport regulation depends on region and transportation mode.

ADR/RID/IMDG-Code:

The battery meets the requirements of Special Provision 188.

Special Provision 188:

Cells and batteries offered for carriage are not subject to other provisions of ADR if they meet the following:

- (a) For a lithium metal or lithium alloy cell, the lithium content is not more than 1 g, and for a lithium ion cell, the Watt-hour rating is not more than 20 Wh;
- (b) For a lithium metal or lithium alloy battery the aggregate lithium content is not more than 2 g, and for a lithium ion battery, the Watt-hour rating is not more than 100 Wh. Lithium ion batteries subject to this provision shall be marked with the Watt-hour rating on the outside case, except those manufactured before 1 January 2009.
- (c) Each cell or battery meets the provisions of 2.9.4.1 and 2.9.4.5
- (d) Cells and batteries, except when installed in equipment, shall be packed in inner packagings that completely enclose the cell or battery. Cells and batteries shall be protected so as to prevent short circuits. This includes protection against contact with conductive materials within the same packaging that could lead to a short circuit. The inner packagings shall be packed in strong outer packagings which conform to the provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.5;
- (e) Cells and batteries when installed in equipment shall be protected from damage and short circuit, and the equipment shall be equipped with an effective means of preventing accidental activation. This requirement does not apply to devices which are intentionally active in transport (radio frequency identification (RFID) transmitters, watches, sensors, etc.) and which are not capable of generating a dangerous evolution of heat. When batteries are installed in equipment, the equipment shall be packed in strong outer packagings constructed of suitable material of adequate strength and design in relation to the packaging's capacity and its intended use unless the battery is afforded equivalent protection by the equipment in which it is contained;

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(f) Except for packages containing button cell batteries installed in equipment (including circuit boards), or no more than four cells installed in equipment or no more than two batteries installed in equipment, each package shall be marked with the following:

(i) an indication that the package contains „lithium metal“ or „lithium ion“ cells or batteries, as appropriate;

(ii) an indication that the package shall be handled with care and that a flammability hazard exists if the package is damaged;

(iii) an indication that special procedures shall be followed in the event the package is damaged, to include inspection and repacking if necessary; and

(iv) a telephone number of additional information;

(g) Each consignment of one or more packages marked in accordance with paragraph (f) shall be accompanied with a document including the following:

(i) an indication that the package contains „lithium metal“ or „lithium ion“ cells or batteries, as appropriate;

(ii) an indication that the package shall be handled with care and that a flammability hazard exists if the package is damaged;

(iii) an indication that special procedures shall be followed in the event the package is damaged, to include inspection and repacking if necessary;

(iv) a telephone number for additional information;

(h) Except when batteries are installed in equipment, each package shall be capable of withstanding a 1.2 m drop test in any orientation without damage to cells or batteries contained therein, without shifting of the contents so as to allow battery to battery (or cell to cell) contact and without release of contents; and

(i) Except when batteries are installed in or packed with equipment, packages shall not exceed 30 kg gross mass. As used above and elsewhere in ADR, „lithium content“ means the mass of lithium in the anode of a lithium metal or lithium alloy cell. Separate entries exist for lithium metal batteries and lithium ion batteries to facilitate the carriage of these batteries for specific modes of carriage and to enable the application of different emergency response actions.

ICAO-TI/IATA-DGR:

Packing Instruction 965, Part II or Part IB

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Section 15 – Regulatory Information

Notes to regulations concerning the transport of hazardous goods:

European Agreement concerning the International Carriage of Dangerous Goods by Road

Convention concerning International Carriage by Rail

European Agreement concerning the International Carriage of Dangerous Goods by Inland Navigation

International Maritime Dangerous Goods Code (IMDG-Code)

International Civil Aviation Organization / Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO-TI)

International Air Transport Association / Dangerous Goods Regulations (IATA-DGR)

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Section 16 – Other Information

Prepared by:..... GREENLEE TOOLS, INC.

Operating Standard..... 6-801

Revision B

EC Number 002871

Issue Date January 12, 2024

Last Revision Date June 17, 2021

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