

Section 1-Information of manufacturer

Premier Farnell plc
150 Armley Road, Leeds, LS12 2QQ
+44 (0) 8701 202530

Telephone:

+44 1865 407333

SECTION 2 HAZARDS IDENTIFICATION

Hazards Identification:

The battery has passed the test items of UN model Regulations, Manual of Test and Criteria Section UN 38.3. It is not restricted to IATA Dangerous Goods Regulations (DGR) 61th Edition and IMO International Maritime Dangerous Goods (2020 Edition).

Emergency Overview:

Caution: Avoid contact and inhalation the electrolyte contained inside the battery.

SECTION 3 INFORMATION ON INGREDIENTS

Products name: Lithium Thionyl Chloride Battery

Ingredient	Concentration	CAS No.	EC No.
Thionyl Chloride	25%	7719-09-07	231-748-8
Lithium tetrachloroaluminate	3.5%	14024-11-4	237-850-9
Lithium	0.35%	7439-93-2	231-102-5
Stainless Steel , Nickel and inert material	remainder	N/A	N/A

SECTION 4 FIRST-AID MEASURES

Skin Exposure:

If the internal battery materials of an opened battery cell come into contact with the skin, immediately flush with plenty of water.

Eye Exposure:

In case of the internal battery materials come into contact with eye, flush with copious amounts of water for at least 15 minutes, Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Inhalation Exposure:

In case of inhale the internal battery materials, remove immediately to fresh air and seek medical attention.

Oral Exposure:

If swallow the internal battery materials, do not induce vomiting. Seek immediate medical attention.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media:

Suitable: Dry chemical, Sandy soil, Carbon Dioxide.

Firefighting:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific hazards: Emit toxic fumes under fire conditions.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Procedure of Personal Precaution:

If batteries show signs of leaking, avoid skin or eye contact with the material leak from the battery. Use chemical resistant rubber gloves and non-flammable absorbent materials for clean up. Mix with inert materials (e.g. dry sand, vermiculite) and transfer to sealed container for disposal.

SECTION 7 HANDLING AND STORAGE

Handling:

Keep away from ignition sources, heat and flame, such batteries must be packed in inner package in such a manner as to effectively prevent short circuits and to prevent movement which lead to short circuits.

Avoid mechanical or electrical abuse. More than a momentary short circuit will generally reduce the battery service life. Avoid reversing battery polarity within the battery assembly. In case of a battery unintentionally be crushed, rubber gloves must be used to handle all battery components. Avoid contact with eyes, skin. Avoid inhalation. No smoking at working site. Materials to Avoid: Strong oxidizing agents, Corrosives.

Storage:

Store in cool, well-ventilated area. Keep away from ignition sources, heat and flame. Such batteries must be packed in inner packages in such a manner as to effectively prevent short circuits and prevent movement which could lead to short circuits. Materials to Avoid: Strong oxidizing agents, Corrosives.

SECTION 8 EXPOSURE CONTROL/PPE

Engineering Controls:

Use ventilation equipment if available. Safety shower and eye bath.

Personal Protective Equipment:

Respiratory System: Not necessary under conditions of normal use.

Eyes: Not necessary under conditions of normal use.

Clothing: Wear appropriate protective clothing .

Hand: Safety gloves.

Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION 9 PHYSICAL/CHEMICAL PEOPERTIES

Appearance: Green cylinder plastics film shell

Odor: Odorless

Melting Point/ oC : >300°C

Solubility: Partial soluble in water

SECTION 10 STABILITY AND REACTIVITY

Stability:

Stable under normal temperature and pressures.

Conditions to Avoid:

Avoid exposure to heat and open flame. Avoid mechanical or electrical abuse. Prevent short circuits. Prevent movement which could lead to short circuits.

Materials to Avoid:

Strong oxidizing agents, Corrosives.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Metal oxides, CO, CO₂.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicity Data:

Not Available.

Irritation Data:

The internal battery materials may cause irritation to eyes and skin.

SECTION 12 ECOLOGICAL INFORMATION

When promptly used or disposed the battery does not present environmental hazard.

When disposed, keep away from water, rain and snow.

SECTION 13 DISPOSAL CONSIDERATION

Appropriate Method of Disposal of substance:

Lithium batteries are best disposed of as a non-hazardous waste when fully or mostly discharged.

Contact a licensed professional waste disposal service to dispose of large quantities materials.

SECTION 14 TRANSPORT INFORMATION

IATA: Shipping Name: Lithium Metal Battery

Hazard Class: Class 9

UN Number: 3090

Packing Group: N/A

The product is not restricted to IATA Dangerous Goods Regulations (DGR) (61th Edition) according to correspond packing instructions.

The goods are packed according to the packaging Instruction 968~970 section II.

IMO: Shipping Name: Lithium Metal Battery

Hazard Class: N/A

UN Number :3090

Packing Group: N/A

The products is not restricted to IMO International Maritime Dangerous Goods Code (2010 Edition) according to special provision 188.

SECTION 15 REGULATORY INFORMATION

No. information.

SECTION 16 OTHER INFORMATION

Date: 2020-01-02

Tel: 886-3-5783800

Other Information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty express or implied. With respect to such information, and we assume no liability resulting from its use. User should make their own investigation to determine the suitability of the information for their particular purposed. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental consequential or exemplary damages, howsoever arising from using the above information.

Part Number
MP001839
MP001840
MP001844
MP001845
MP001846
MP001847

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.