

# Safety Data Sheet

**multicomp**PRO

## Section 1 – Product & Supplier Information

**Pocket Infrared Thermometer (MP780648) the Battery used**

Mercury Free Alkaline Button-cell 1.5V LR44

**Details of the supplier of the safety data sheet**

Premier Farnell plc

150 Armley Road, Leeds, LS12 2QQ

+44 (0) 8701 202530

**Emergency telephone number**

+44 1865 407333

## Section 2 – Composition / Information on Ingredients

The ingredients are contained in a hermetically-sealed case, designed to withstand temperatures and pressures encountered during normal use. As a result, during normal use, hazardous materials are partially contained inside the battery. The battery should not be opened or exposed to heat because exposure to the following ingredients contained within could be harmful under some circumstances. The following information is provided for the user's information only. The chemical names are as follows:

Chemical Composition	CAS NO.	Wt%
Zinc (zn)	7440-66-6	4-10
Manganese Dioxide (MnO <sub>2</sub> )	1313-13-9	15-30
Potassium hydroxide (KOH)	1310-58-3	0-12
Graphite (C)	7782-42-5	1~3
Iron (Fe)	7439-89-6	23-55
Mercury (Hg)	7439-97-6	≤0.0001
Cadmium (Cd)	7440-43-9	≤0.001
Lead (Pb)	7439-92-1	≤0.004

## Section 3 – Physical/Chemical Characteristics

Boiling Point (°C)	: N/A
Specific Gravity	: (H2O=1): N/A
Vapor Pressure (mmHg)	: (N/A)
Vapor Density (Air=1)	: (N/A)
Melting Point (°C)	: (N/A)
Evaporation Rate (Butyl Acet.=1)	: (N/A)
Solubility in Water	: (N/A)
Appearance and Odor	: (N/A)

## Section 4 – Fire and Explosion Hazard Data

Flammable Limits : Not available

But when the short circuit occurred inside the battery due to the leakage or the breach of the separator, it may cause a tiny explosion to break and spread the anode and cathode into parts and hit the person nearby. It may hurt the eye by accident. Safety precaution must be taken against this accident.

In case of fire, it is permissible to use any kind of extinguishing medium on these batteries or their packing material. Cool exterior of batteries if exposed to fire to prevent rupture. Unusual Fire and Explosion Hazards are not available.

## Section 5 – Fire Fighting Measures

### Extinguishing Media

Suitable : Dry chemical, Carbon dioxide and appropriate foam.

### 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

Procedures of Personal Precautions : Exercise appropriate precautions to minimize direct contact with skin and eyes.

Methods for cleaning up : Sweep up with spade, place into a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

## Section 7 – Handling and Storage

Handling : Wear appropriate protective clothing and safety gloves. Avoid contact and inhalation the internal materials. Keep away from ignition sources, heat and flame.

Incompatibilities : Strong oxidizing agents, corrosives and foods. Such batteries must be packed in inner packaging in such a manner as to effectively prevent short circuits and to prevent which could lead to short circuits. No smoking at working site.

Storage : Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Store in a tightly closed container.

Incompatibilities : Strong oxidizing agents, corrosives and foods.

## Section 8 – Exposure Control/PPE

Engineering Controls : Use ventilation equipment if available.

### Personal Protective Equipment:

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 Properties

Appearance : Colourful cylinder metal shell (containing dielectric)

Odor : Odorless

pH : 7~8

Melting Point : >300°C

## Section 10 – Stability and Reactivity

Stability : Stable under normal temperatures and pressures.

Materials to Avoid : Strong oxidizing agents, corrosives.

Conditions to Avoid : Avoid exposure to heat and open flame. Do not puncture, crush or incinerate.

# Safety Data Sheet

**multicomp**PRO

Hazardous Polymerization	Prevent short circuits. Prevent movement which could lead to short circuits.
Hazardous Decomposition Products	Do not attempt to recharge this battery.
	: Will not occur.
	: When exposed to extreme heat/fire batteries may rupture leaking corrosive material and/or emit toxic fumes. Burning batteries may emit toxic fumes of zinc oxide and manganese oxide.

## 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

No data available.

## Section 13 – Disposal Considerations

Appropriate Method for Disposal of substance	: Contact a licensed professional waste disposal service to dispose of this material. Do not incinerate.
--	--

## Section 14 – Transport Information

<b>DOT</b>	
Non-Hazardous for Transport	: This substance is considered to be non-hazardous for transport.
<b>IATA</b>	
Non-Hazardous for Air Transport	: Non-hazardous for air transport.
<b>IMO</b>	
Non-Hazardous for Sea Transport	: Non-hazardous for sea transport.
ADR/RD Class	: None
Non-Hazardous for Transport	: This substance is considered to be non-hazardous for transport.
UN Number	: None
Not Restricted, comply with IATA DGR ( 66th Edition) Special Provision A123.	

## Section 15 – Regulatory Information

EU Classification and Labeling Information:  
This material is not classified in the Annex I of Directive 67/548/EEC.

## Section 16 – Other Information

NA

Part Number
SDS for the Battery of the MP780648

**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.

Newark.com/multicomp-pro  
Farnell.com/multicomp-pro  
sg.element14.com/b/multicomp-pro

**multicomp**PRO