SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

PRODUCT NAME: BUTTON BATTERY

APPLICATIONS: For Stock No.10203 Multi-Function Mains Tester

SUPPLIER: Draper Tools Ltd

Hursley Road
Chandlers Ford
Eastleigh
Hampshire
SO53 1YF
Draper Helpline +44 (0) 2380 494344
Opening hours 8:30-17:00 Monday – Friday.
www.drapertools.com

SECTION 2: Hazards identification

Classification of Danger	See section 14
Primary Routs(s) of Exposure	Eye skin contact, ingestion.
Health Hazard	The batters are not hazardous when used according to the instructions of manufacturer under normal conditions. In case of abuse, here's Hazard of rupture, fire, heat, leakage of internal components, which could cause casualty loss. Abuses including but not limited to the following cases: charged for long time, short circuited, put into fire, whacked with hard object, punctured with acute object, crushed and broken.

SECTION 3: Composition/information on ingredients

Chemical Name	Concentration range (%)	CAS Number
Iron	15-30	7439-89-6
Manganese dioxide	30-45	1313-13-9
Graphite	5-10	7782-42-5
Potassium hydroxide	5-10	1310-58-3
Water	5-10	7732-18-5
Zinc	10-20	7440-66-6
Indium hydroxide	0-3	20661-21-6
Zinc oxide	0-5	1314-13-2

Labelling according to EC directives.

No symbol and Hazard phrase are required.

Note: CAS number is Chemical Abstract Service Registry Number.

N/A=Not apply.

SECTION 4: First aid measures

Eye	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin	Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.
Inhalation	Remove from exposure and move to fresh air immediately. Use oxygen if available.

Ingestion	Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician.

SECTION 5: Firefighting measures

Characteristics of Hazard: The product causes burn of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapours.

Hazardous Combustion Products: Carbon dioxide.

Fire-extinguishing Methods and Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Attention in Fire-extinguishing: Wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: Accidental release measure

Personal Precautions, protective equipment and emergency procedures:

In case of rupture. Attention! Corrosive material. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Refer to protective measures listed in Sectio ns 7 and 8.

Environmental Precautions:

Prevent product from contaminating soil and from entering sewers or waterways.

Methods and materials for Containment:

Stop the leak if safe to do so. Contain the spilled liquid with dry sand or earth. Clean up spills immediately.

Methods and materials for cleaning up:

Absorb spilled material with an inert absorbent (dry sand or earth). Scoop contaminated absorbent into an acceptable waste container. Collect all contaminated absorbent and dispose of according to directions in Section 13. Scrub the area with detergent and water; collect all contaminated wash water for proper disposal.

SECTION 7: Handling and storage

Handling:

The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.

Storage:

Store in a cool, dry, well-ventilated area away from incompatible substances. Store locked up. Keep out of the reach of children.

Other Precautions:

In case of rupture. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or cl othing. Use personal protection equipment.

SECTION 8: Exposure controls/personal protection

Engineering Controls:

Use adequate ventilation to keep airborne concentrations low. If used under conditions that generate particulates, the ACGIH TLV-TWA of 3mg/m3 respirable fraction (10mg/m3 total) should be observed.

Personal Protective Equipment:

Eye and Face Protection: None required for consumer use. If there is a Hazard of contact: Tight sealing safety goggles. Face protection shield.

Skin and Body Protection: None required for consumer use. If there is a Hazard of contact: Wear protective gloves and protective clothing.

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

SECTION 9: Physical and chemical properties

Physical State:

Appearance: Button

Odour: If leaking, smells of medical ether.

Change in condition:

pH	Not applicable as supplied.
Flash Point	Not applicable unless in dividual components exposed.
Flammability	Not applicable unless individual components exposed.
Relative density	Not applicable unless individual components exposed.
Solubility (water)	Not applicable unless individual components exposed.
Solubility (other)	Not applicable unless individual components exposed.

SECTION 10: Stability and reactivity

Chemical Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: None under normal processing.

Conditions to Avoid: Exposure to air or moisture over prolonged periods.

Incompatible materials: Acids, Oxidizing agents, Bases.

Hazardous Decomposition Products: Carbon oxides.

SECTION 11: Toxicological information

Irritation: In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin.

Sensitization: Not Available.

Reproductive Toxicity: Not Available.

Toxicologically Synergistic Materials: Not Available.

SECTION 12: Ecological information

General note: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Anticipated behavior of a chemical product in environment/possible environmental impact/ecotoxicity:
Not Available.

SECTION 13: Disposal considerations

Waste Treatment:

Recycle or dispose of in accordance with government, state & local regulations.

Attention for Waste Treatment:

Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or place d in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is recycling.

SECTION 14: Transport information

UN number: Not regulated.

Proper shipping name: Not regulated.

Label(s) / Placard Required: N/A

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.

ICAO / IATA: The batteries are not subject to the provisions of International Civil Aviation Organization (ICAO), TI or International Air Transport Association (IATA) if they meet the requirements of special provision A123 of IATA DGR 64th Edition (Effective from 1 January 2023.).

IMDG CODE: Not regulated.

DOT: Not regulated.

ADR/ ADN: Not regulated

In addition, the batteries should be well protected against short circuits.

SECTION 15: Regulatory information

Dangerous Goods Regulations:

Recommendations on the Transport of Dangerous Goods-Model Regulations (22nd revised edition)

Recommendations on the Transport of Dangerous Goods-Manual of Tests and Criteria

International Air Transport Association (IATA)

International Maritime Dangerous Goods (IMDG Code 2020Edition Amdt 40-20)

Technical Instructions for the Safe Transport of Dangerous Goods

Classification and code of dangerous goods (GB 6944-2012)

2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Toxic Substance Control Act (TSCA)

Code of Federal Regulations

In accordance with all Federal, State and local laws

SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

--End of report--