

SAFETY DATA SHEET

Issue Date: 17/10/2025 Version: 2

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

Product identifier

Product Name:

Alkaline Battery

Model: AAA

Ratings: 1.5V 1050mAh

Weight: 10.6g

Not for recharge

Applications:

For: COB LED Aluminium Hand Torch (90103)

Details of the supplier of the safety data sheet

Draper Tools Ltd

Hursley Road, Chandlers Ford, Eastleigh

Hampshire SO53 1YF

United Kingdom

www.drapertools.com

Emergency telephone number

Draper Helpline +44 (0) 2380 494344

Opening hours 8:30-17:00 Monday – Friday.

SECTION 2: Hazards identification

Emergency overview:

N/A

Label elements:

Hazard pictogram (s)

Not Applicable

Signal word

Not Applicable

Hazard statement (s)

Not Applicable

Precautionary statement(s):

Prevention

Not Applicable

Response

Not Applicable

Disposal

Not Applicable

Environmental hazards:

No relevant information

Important symptoms:

See section 11 for more information

SECTION 3: Composition/information on ingredients

Chemical Composition	CAS No.	Weight (%)	Trade Secret
Zinc	7440-66-6	15 - 40	*
Carbon Black	1333-86-4	10 - 30	*
Manganese dioxide	1313-13-9	10 - 30	*
Zinc chloride	7646-85-7	7-13	*
Iron	7439-89-6	5-10	*
Distilled water	7732-18-5	1-5	*

SECTION 4: First aid measures

Eye contact

Flush eyes with plenty of water for least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin contact

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

Flash Point: N/A

Auto-Ignition Temperature: N/A

Extinguishing Media: Hydrocarbon surfactant, CO₂.

Special Fire-Fighting Procedures: Self-contained breathing apparatus.

Unusual Fire and Explosion Hazards: Cell may vent when subjected to excessive heat-exposing battery contents.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide.

SECTION 6: Accidental release measure

Personal precautions, protective equipment and emergency procedures:

If the battery is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. The preferred response is to leave the area and allow the vapours to dissipate, avoid skin and eyes contact or inhalation of vapours. Remove spilled liquid with absorbent and incinerated. If leakage of the battery happens, liquid could be absorbed by using sand, earth or other inert substance and contaminated area should be ventilated meantime.

Environment precautions:

Do not allow product to reach sewage system or any water source.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

If battery casing is dismantled, small amounts of electrolyte may leak. Collect all released material in a plastic lined container. Dispose of according to the local law and rules. Avoid leached substances to get into the earth, canalization or waters.

SECTION 7: Handling and storage

Handling

The battery should not be opened, destroyed or incinerate, since they may leak or rupture and release to the environment the ingredients that they contain in the hermetically sealed container.

Do not short circuit terminals, or over charge the battery, forced over-discharge, throw to fire.

Do not crush or puncture the battery or immerse in liquids.

Storage

Avoid mechanical or electrical abuse. Storage preferably in cool, dry and ventilated area, which is subject to little temperature change. Storage at high temperatures should be avoided.

Do not place the battery near heating equipment, nor expose to direct sunlight for long periods.

Other Precautions

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.

SECTION 8: Exposure controls/personal protection

Engineering controls

Use local exhaust ventilation or other engineering controls to control sources of dust, mist, fumes and vapor.

Personal Protective Equipment

Respiratory Protection: Not necessary under normal conditions.

Skin and body Protection: Not necessary under normal conditions. Wear suitable protective clothing and gloves if handling an open or leaking battery.

Hand protection: Wear suitable gloves if handling an open or leaking battery.

Eye Protection: Not necessary under normal conditions, Wear safety glasses if handling an open or leaking battery.

Other Protective Equipment

Have a safety shower and eye wash fountain readily available in the immediate work area.

Hygiene Measures

Do not eat, drink, or smoke in work area. Maintain good housekeeping.

SECTION 9: Physical and chemical properties

Colour	Not Applicable
Odour	Not Applicable
pH	Not Applicable
Melting point/freezing point	Not Applicable
Boiling Point and Boiling range	Not Applicable
Flash Point	Not Applicable
Upper/lower flammability or explosive limits	Not Applicable
Vapor Pressure	Not Applicable
Vapor Density	Not Applicable
Relative density	Not Applicable
Solubility in Water	Not Applicable
Auto-ignition temperature	Not Applicable
Decomposition temperature	Not Applicable
Evaporation rate	Not Applicable
Flammability (soil, gas)	Not Applicable
Viscosity	Not Applicable

SECTION 10: Stability and reactivity

Stability

The product is stable under conditions described Section 7.

Conditions to Avoid

Heat above 70°C or incinerate. Deform, Mutilate, Crush, Disassemble, Overcharge, Short circuit, Expose over a long period to humid conditions.

Incompatible Materials

Oxidizing agents, acid, base.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide.

Possibility of Hazardous Reaction

Not Applicable

SECTION 11: Toxicological information

Irritation

Risk of irritation occurs only if the cell is mechanically, thermally or electrically abused to the point of compromising the enclosure. If this occurs, irritation to the skin, eyes and respiratory tract may occur.

Sensitization Not Applicable

Neurological Effects Not Applicable

Teratogenicity	Not Applicable
Reproductive Toxicity	Not Applicable
Mutagenicity (Genetic Effects)	Not Applicable
Toxicologically Synergistic Materials	Not Applicable

SECTION 12: Ecological information

Ecological Toxicity	Not Applicable
Mobility in soil	Not Applicable
Persistence and Degradability	Not Applicable
Bioaccumulation potential	Not Applicable
Other Adverse Effects	Not Applicable

SECTION 13: Disposal considerations

Product disposal recommendation

Observe local, state and federal laws and regulations.

Packaging disposal recommendation

Disposal must be made according to official regulations.

SECTION 14: Transport information

Label for conveyance	None Regulated
UN Number	None Regulated
Transport hazard class (es)	None Regulated
Packing group	None Regulated
Marine pollutant	No
UN Proper shipping name	None Regulated

Transport information:

These goods shall be considered Not Restricted Goods by the U.S. Department of Transportation (DOT), the International Civil Aviation Organization (ICAO), the International Air Transport Association (IATA) DGR 66th, IATA Special Provisions A123, International Maritime Dangerous Goods Code (IMDG CODE) (Amdt 42-24)

The words "Not Restricted", and the Special Provision number must be included in the description of the substance on the Air or Sea Waybill.

Transport Fashion: By air, by sea, by railway, by road.

SECTION 15: Regulatory information

Law information

Dangerous Goods Regulations.

Recommendation on the Transport of Dangerous Goods Model Regulations.

International Maritime Dangerous Goods.

Technical Instructions for the Safe Transport of Dangerous Goods.

Classification and code of dangerous Goods.

Consumer Product Safety Act (CPSA).

Federal Environmental Pollution Control Act (FEPCA).

Resource Conservation and Recovery Act (RCRA).

European Agreement concerning the International Carriage of Dangerous.

Regulations concerning the International Carriage of Dangerous.

In according with all Federal. State and local laws.

SECTION 16: Other information

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The information above is believed to be accurate and represents the best information currently available to us. However, this document makes 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. Users should make their own investigations to determine the suitability of the information for their particular purposes. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. This material safety data sheet provides guidelines for the safe handling and use of this product; it does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required.

*** End of SDS ***