

Material Safety Data Sheet

Product Name: Dry Battery AAA

Review Date: 17JULY 2020

Section 1: Chemical Product and Company Identification

Product Name: Dry Battery AA,AAA,C,D,9V Zinc Manganese Dioxide Batteries

APPLICATIONS: For Stock No. 19730 AUTO WELDING / GRINDING HELMET

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.

Section 2: Hazards Identification

Under normal condition of use, the battery is hermetically sealed.

Potential health effects: none

Section 3: Composition and Information on Ingredients

Chemical name	CAS #	% by weight
Manganese Dioxide	(CAS# 1313-13-9)	30 ~ 40% (by Weight)
Zinc	(CAS# 7440-66-6)	20 ~ 35% (by Weight)
Carbon Rod	(CAS#1333-86-4)	5 ~ 10% (by Weight)
Water	(CAS#7732-18-5)	12 ~ 14% (by Weight)
Paper	(CAS #65996-61-4)	1.5~ 2.5% (by Weight)
Iron	(CAS #7439-89-6)	1.5~ 2.5% (by Weight)
Polypropylene	(CAS#9003-07-0)	1 ~ 2% (by Weight)
Zinc Chloride	(CAS#7646-85-7)	1~ 1.5% (by Weight)
Ammonium Chloride	(CAS#12125-02-9)	0.5 ~ 0.7% (by Weight)

Section 4: First Aid Measures

Eye Contact: if battery is leaking and material contacts the eye, flush thoroughly with water for 30 minutes. Seek immediate medical attention.

Skin Contact: if battery is leaking and material contacts the skin, remove any contaminated clothing and wash skin with soap and water. If irritation, injury or pain persists, seek medical attention.

Inhaled: provide fresh air and seek medical attention.

Swallowed: if battery contents are swallowed, do not induce vomiting or give food or drink. Seek medical attention immediately.

Section 5: Fire Fighting Measures

In case of fire, it is permissible to use any class of extinguishing medium on these batteries or their packing material. Cool exterior of batteries if exposed to fire to prevent rupture.

Fire fighters should wear self-contained breathing apparatus and full protective clothing.

Section 6: Accidental Release Measures

Notify safety personnel of large spills. Caustic potassium hydroxide may be released from leaking or ruptured batteries. Clean-up should wear appropriate protective clothing to avoid eye and skin contact and inhalation of vapors or fumes. Increase ventilation. Carefully collect batteries and place in an appropriate container for disposal.

Section 7: Handling and Storage

Handling: Avoid mechanical or electrical abuse. Do not short circuit, install backwards, charge, put in fire or mix with other battery types - may explode or leak causing injury. Do not move battery label. Replace all batteries at the same time. Keep away from small Children.

Storage: Store in a cool, well ventilated area. Elevated temperatures can result in shortened battery life.

Section 8: Exposure Controls and Personal Protection

No exposure to the battery components should occur during normal consumer use.

Ventilation: No special ventilation is needed for normal use.

Respiratory Protection: None required for normal use.

Skin Protection: None required for normal use.

Eye Protection: None required for normal use.

Section 9: Physical and Chemical properties

Product type: solid object

Taste / Odor: no taste, no odor

Molecular Weight: Not applicable for an article

pH: Not applicable for an article

Specific Gravity: Not applicable for an article

Boiling Point: Not applicable for an article

Melting Point: Not applicable for an article

Flash Point: Not applicable for an article

Section 10: Stability and Reactivity

This product is stable, and does not meet any of the criteria for reactivity.

Section 11: Toxicological Information

This product is not hazardous waste. Under normal conditions of use, is non-toxic.

Section 12: Ecological Information

Issues such as ecotoxicity, persistence and bioaccumulation are not applicable for articles.

Section 13: Disposal Information

Disposal of in accordance with all applicable national and local regulations. Appropriate disposal technologies include incineration and land filling.

Section 14: Transport Information

Products covered by this MSDS, in their original form, are considered "dry cell" batteries and are not regulated for transportation as "Dangerous Goods". The batteries must be packaged in a safe and responsible manner.

For finished packaged product transported by ground (US DOT): - not regulated.

For finished packaged product transported by sea (IMDG): - not regulated.

For finished packaged product transported by air (IATA): - not regulated.

Hazards Identification: none

Special provision for Transport: all Dry Battery are packed to meet the special provisions listed above.

We hereby certify that consignment is not classified as dangerous goods under the current edition of the IATA Dangerous Goods Regulations A123 under 61th Edition and all applicable camer and government regulations".

Section 15: Regulatory Information

This product is not classified as dangerous goods by the Department of Transportation or the major international regulatory bodies and is therefore not regulated.

This "Dry Battery", containing corrosive electrolyte which will not flow out of the battery if the battery case is cracked, the batteries are securely packed and protected against short-circuits.

Section 16: Other Information

None.