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Product Safety Data Sheet – CR123A Lithium/Manganese Dioxide Battery

Issue	2
Date last amended	March 2026
Last amended by	MP

We

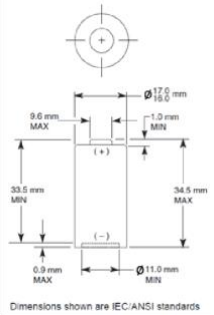
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Postal Address	Unit J2, Anlaby Trade Park, Springfield Way, HU10 6RJ, Hull
Telephone Number	+44 (0)1482 679300
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Declares under its sole responsibility that the product(s) as originally delivered:

Product Name(s)	Lithium Battery Pack
Part Number(s)	714020095
Type Number(s)	CR123Ax3
For use with	sMRT ALERT, sMRT V300, sMRT V300-X1, sMRT V300-X2
Chemistry	$LiMnO_2$
Total Weight	60g
Nominal Voltage	9V
Lithium weight/cell	0.6g
Total lithium weight/battery	1.8g

Key Features:

High voltage response, stable during most of the lifetime of the application
Reliable Performance
Wide operating temperature range (-20°C / + 75°C)
Low self-discharge with long operating life (<1% after 1 year of storage at + 20°C)
Excellent resistance to corrosion
Designed to meet all major quality, safety and environment standards: • Safety: IEC 60086-4 • Transport: UN 38.3 • RoHS and REACH compliance • Quality: ISO 9001, Duracell World Class Continuous Program



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Electrical Characteristics

Nominal capacity	1550 mAh
Typical Voltage (at + 20 degree celsius)	9.2 to 9.6 V
Standard Continuous Discharge Current	20 mA
Maximum Peak Discharge Current	900 mA
Nominal Energy	47 kJ
Energy Density	783 J/g

Physical Characteristics

Typical Weight	60g (0.60 oz.)
Li metal content	approx. 1.8g

Operating & Storage conditions

Operating temperature range	-20°C to 75°C (-4°F to 167°F)
Recommended Storage (storage area should be clean, cool, dry and ventilated)	5°C to 30°C (41°F to 86°F)

60086-4 © IEC:2007 Edition 3.0

Test	Test designation	Observation
A	Attitude	Pass
B	Thermal Cycling	Pass
C	Vibration	Pass
D	Shock	Pass
E	External short circuit	Pass
F	Impact	Pass
G	Crush	Pass
H	Forced discharge	Pass
I	Abnormal charging	Pass
J	Free fall	Pass
K	Thermal Abuse	Pass

Warning

Fire, explosion and burn hazard
Do not recharge, short circuit, crush, disassemble, heat above 100°C (212°F), incinerate, or expose contents to water

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Delivered capacity is dependent on the applied load, operating temperature and cut-off voltage. Please refer to the charts and discharge data shown for examples of the energy/service life that the battery will provide for various load conditions.

Transport Information (GHS Section 14)

Regulatory Status	Duracell lithium metal batteries are produced and delivered in accordance with current IATA/ICAO regulations. Duracell lithium metal batteries can be by air shipped in accordance with ICAO or IATA. Shipping packages for all DURACELL lithium cells/batteries are designed to prevent: short circuits, movement within the package, damage to the cells/batteries, and release of the package contents. Persons who prepare or offer lithium batteries for transport are required by regulation to be trained to the extent of their responsibility. The information in this section is provided for informational purposes only. The transportation of lithium metal batteries is regulated by ICAO, IATA, IMO, ADR and US DOT.
DEFECTIVE Lithium Batteries	Defective Lithium batteries are **forbidden** on both Passenger and Cargo Aircraft. For all other modes of transportation, defective lithium batteries are fully regulated as **Dangerous Goods**.

Total Lithium Content (grams) - see below for each catalog number:

Catalog No.	Total Lithium Content (grams)	Type	Total Cell/Battery Weight (grams)
DL 1/3N	0.06	Cell	3
DL 123	0.55	Cell	17
DL 223	1.1	Battery	38
PX 28L	0.12	Battery	9.4
CR-V3	1.4	Battery	39
DL CR2	0.26	Cell	11
DL 245	1.1	Battery	38.6
DL 1604	0.9	Battery	34

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UN Identification Number/ Shipping Name	UN3090 Lithium metal batteries UN3091 Lithium metal batteries packed with or contained in equipment
UN 38.3 Transportation Tests	Duracell certifies that all of its lithium batteries meet the requirements of the UN Manual of Tests and Criteria, Part III subsection 38.3. If you assemble these batteries into larger battery packs, it is recommended that you perform the UN Tests to ensure the requirements are met prior to shipment.
Special Provisions Conformance	Special regulatory provisions require batteries to be packaged in a manner that prevents the generation of a dangerous quantity of heat and short circuits.
USA DOT Special Provision	49 CFR 173.185(c) SP A101 (packed within equipment by air)
USA DOT Exceptions for Lithium Cells or Batteries Shipped for Disposal or Recycling	40 CFR 173.185(d)
Air Transport (IATA/ICAO) Packing Instructions (58th edition/2017)	PI 968 – Lithium metal batteries (shipped alone) **Note: Per IATA, on *April 1, 2016* PI 968 Section II will be amended to limit to 1 the quantity of packages offered for consignment, quantity (1) in an overpack and the package must be offered separately from other cargo.** PI 969 – Lithium metal batteries packed with equipment PI 970 – Lithium metal batteries contained in equipment
Marine/Water Transport (IMDG) Special Provision	188
ADR/RID Special Provision	188
Passenger Air Travel	Air travelers should consult the US Department of Transportation (DOT) Safety Travel web site at http://safetravel.dot.gov for guidance regarding carry on of lithium batteries.
Emergency Transportation Hotline	**CHEMTREC 24-Hour Emergency Response Hotline** **Within the United States call +703-527-3887** **Outside the United States, call +1 703-527-3887 (Collect)**

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Marine Rescue Technologies Ltd. has issued this Product Safety Data Sheet to provide user advice on the above listed product(s). The information has been prepared in good faith and is believed to be accurate at the date of preparation. Marine Rescue Technologies Ltd. makes no warranty, either express or implied, with respect to this information.

Signed on behalf of Marine Rescue Technologies Ltd:

Date	Name	Position	Signature
1st March 2026	Ryan Pettit	Managing Director	