

LITHIUM BATTERY STATEMENT

Special Requirements for Shipment of Products Containing Batteries

1. Some Maxim products contain lithium metal button cell batteries. These button cells are exempt from United Nations (UN) class 9. These batteries meet the requirements of Provision A181 of the DGR 54th edition. These batteries also comply with IATA and have been tested per UN Manual of Tests and Criteria Part III, subsection 38.3 by the battery manufacturer. Shipping requirements are per IATA Dangerous Goods Regulation (DGR) packing instruction UN3091, 970 Section II for batteries in equipment. See the listing below of Maxim products containing these batteries.

With changes to the IATA DGR for 2013, Maxim products containing lithium metal button cells are no longer required to use the battery handling label based on Packing Instruction 970 "Additional Requirements – Section II"

"Each package containing more than four cells or more than two batteries installed in equipment must be labeled with a lithium battery handling label ..., except for button cell batteries installed in equipment (including circuit boards);"

2. There are a limited number of our evaluation kits that contain a Lithium-Ion type battery ("re-chargeable" per IATA) which are compliant to IATA DGR for 2013 requirements for UN3481, Packing Instruction 967 Section II, batteries in equipment. See the listing below of Maxim products containing these batteries.
3. Should IATA or ICAO require certain shipments that contain a battery to be labeled, it will have a battery handling label like the graphic below attached to the outside of the container.



If you have additional questions about our products containing batteries, please send an email request to BatteryCompliance@maximintegrated.com.

Consult the latest version of IATA Dangerous Goods Regulation for complete requirements when shipping batteries in equipment.

Maxim uses the following lithium metal button cell batteries in our non-kit products. Each contains < 1g of lithium.

Battery Type	Battery Weight (g)	Chemistry	Contains Perchlorate?
BR1225	0.8	(CF) _n /Li: Poly-Carbon Monofluoride	No
BR1632	1.5	(CF) _n /Li: Poly-Carbon Monofluoride	No
BR2032	2.5	(CF) _n /Li: Poly-Carbon Monofluoride	No
BR2325	3.2	(CF) _n /Li: Poly-Carbon Monofluoride	No
CR1620	1.3	MnO ₂ /Li: Manganese Dioxide	Yes
CR1632	1.8	MnO ₂ /Li: Manganese Dioxide	Yes
CR2354	5.8	MnO ₂ /Li: Manganese Dioxide	Yes
CR2477	10.5	MnO ₂ /Li: Manganese Dioxide	Yes
ML2020	2.2	Manganese Lithium rechargeable	No
ML614	0.17	Manganese Lithium rechargeable	No

[Complete list of Maxim products that contain lithium batteries \(XLS, 130kB\)](#)

Disposal of Maxim Products Containing Batteries

Disposal of Maxim products containing batteries is per the local regulations for the type of battery it contains. Please see the product listing for the type of battery each product contains.

Regulatory References

International Air Transport Association (IATA) Dangerous Goods Regulation 2013

DOT PHMSA Hazardous Material Regulation (HMR) 49 CFR 173.185

International Civil Aviation Organization (ICAO) Technical Instructions for Safe Transport of Dangerous Goods by Air 2011-2012 edition

UN Recommendations on the Transport of Dangerous Goods revision 17

UN Manual of Tests and Criteria, Part III, sub-section 38.3