

LITHIUM ION PRODUCTS – SHIPPING REGULATIONS COMPLIANCE STATEMENT

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THE REGULATIONS COVERED BY THIS STATEMENT

UN Manual of Tests & Criteria Chapter III subsection 38.3

LITHIUM PRODUCTS

Wolf Safety manufactures two product ranges that use Lithium ion cells.

- R Series right angled torch
- XT series handlamps.

The Lithium ion batteries used in these products have capacities varying between 17.8Wh and 53.4Wh,

Wolf Safety manufactures one product that uses Lithium metal cells (less than 1g lithium per cell)

- ML-15 Markerlite.

Each cell/ battery type has been tested in accordance with UN Manual of Tests & Criteria Part III subsection 38.3.

Wolf Safety operates a quality management system which incorporates the manufacture, handling and packing of Lithium Ion and Lithium metal batteries. Wolf Safety Lithium ion/metal products are not categorised as regulated hazardous goods, but some special packing and marking arrangements are required.

SHIPPING WOLF TORCHES AND HANDLAMPS (CONTAINING WOLF LITHIUM ION BATTERIES)

The regulations covering the shipping of Wolf torches and handlamps (containing Wolf lithium ion batteries) are UN3481, "Lithium Ion batteries contained in equipment" (9) and Wolf torches and handlamps are classified as "Excepted shipment of lithium ion batteries contained in equipment".

When packaged individually there are no marking, labelling or declaration requirements for dispatch by road (ADR) or sea (IMDG) in accordance with SP188 or by air in consignments of less than 2 packages (ICAO-IATA) in accordance with packing instruction P967 Section II.

SHIPPING ML-15 MARKERLITES (CONTAINING LITHIUM METAL CELLS)

The regulations covering the shipping of Wolf ML-15 Markerlites are UN3091, "Lithium Metal Batteries packed with equipment" and the batteries are classified as "Excepted shipment of lithium metal batteries" (<1g lithium).

Wolf Safety lithium metal cells are packed and marked to comply with IATA regulations for air transport and should be marked on the Air Way Bill as "Lithium Metal batteries in accordance with packing instruction 969 section II."

SHIPPING WOLF LITHIUM ION BATTERIES AS SPARES

The regulations covering the shipping of Wolf lithium ion batteries are UN3480, "lithium Ion batteries" 9.II and the batteries are classified as "excepted shipment of lithium ion batteries".

For air shipment Wolf Safety Lithium ion batteries are packed and marked to comply with IATA regulations and should be noted on the Air Way Bill as "Lithium Ion batteries in accordance with packing instruction 965 section II.". At the time of shipping all batteries have less than 30% state of charge and shipments are labelled "cargo aircraft only".

For surface transport Wolf Safety Lithium Ion batteries are packed and marked to comply with ADR/IMDG SP188 requirements.

Signed:  Alex Jackson

Authority: Managing Director

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