

Hazard Classification Class 9 (Miscellaneous)

**Organizations governing the transport of lithium batteries**

Area	Method	Organization	Special Provision
International	Air	IATA, ICAO	A45
International	Water	IMO	188
U.S.A	Air, Rail, Highway, Water	DOT	49 CFR Section 173.185

These regulations are based on the UN Recommendations. Each special provision provides specifications on exceptions and packaging for shipping lithium batteries. All Mottcell batteries meet all special provisions.

Ref) Summary of A45 (IATA Dangerous Goods Regulations 44th Edition)

Since all of the following three requirements are satisfied, lithium batteries are not be considered as dangerous goods when transported.

**1) Lithium weight or equivalent lithium content\* must be less than the value in table.**

	Lithium Cell/Battery (Lithium weight)	Lithium ion Cell/ Battery (Equivalent lithium content)
Cell	1g or less	1.5g or less
Battery	2g or less	8g or less

\*Equivalent lithium content (g) is calculated as 0.3(g/Ah) times the rated capacity (Ah).

**2) Cells and batteries must meet the requirements of the UN T1-T8 tests.**

**3) Each package containing more than 24 cells or 12 batteries shall:**

- a) Be marked to indicate that it contains lithium batteries, and that special procedures are to be followed in the event that the package is damaged.
- b) Be accompanied by a shipping paper explaining that the cells and batteries are exempt from regulations.
- c) Weigh no more than 30kg (gross weight).
- d) Be capable of withstanding a 1.2m drop test in any orientation without any shifting of the contents that would allow short-circuiting, and without release of package contents.

Because the consignor has to take responsibility, the customer has to confirm exceptional conditions when shipping.

## 15. Regulatory Information

OSHA hazard communication standard (29 CFR 1910.1200)

Non-hazardous

## 16. Other Information

For further information, please contact a Mottcell sales representative.

Signed: JACKY CHEN

