



Transportation of Dangerous Goods Directorate
L'Esplanade Laurier
300 Laurier Avenue West
Ottawa, Ontario
K1A 0N5

Direction générale du transport des marchandises dangereuses
L'Esplanade Laurier
300, avenue Laurier Ouest
Ottawa (Ontario)
K1A 0N5



Equivalency Certificate (Approval issued by the competent authority of Canada)

Certificate No.: SU 13131

Certificate Type: N/A

Certificate Holder: Batteries Dixon

Mode of Transport: Road, Rail, Marine

Effective Date: November 1, 2019

Expiry Date: December 31, 2024

LEGEND

For the purposes of this equivalency certificate, documents referred to by an abbreviation have the following meaning:

TDG Act: *Transportation of Dangerous Goods Act, 1992*

TDG Regulations: *Transportation of Dangerous Goods Regulations*

NOTES

Note 1: Subsection 31(4) of the *TDG Act* stipulates that any non-compliance with the conditions of this equivalency certificate causes the provisions of the *TDG Act* and *TDG Regulations* to apply as though this equivalency certificate did not exist.

Note 2: This equivalency certificate provides no regulatory relief other than specifically stated herein. Therefore, all other requirements of the *TDG Act* and the *TDG Regulations* apply.

CONDITIONS

This equivalency certificate authorizes Batteries Dixon to handle, offer for transport or transport, by road or railway vehicle, or by vessel on a domestic voyage, dangerous goods that are:

- UN3090, LITHIUM METAL BATTERIES (including lithium alloy batteries), Class 9,
- UN3091, LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT, (including lithium alloy batteries), Class 9,
- UN3480, LITHIUM ION BATTERIES (including lithium ion polymer batteries), Class 9, or
- UN3481, LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT (including lithium ion polymer batteries), Class 9,

in a manner that does not comply with:

- subsection 2.43.1(2) of Part 2 (Classification) of the *TDG Regulations*;
- part 3 (Documentation) of the *TDG Regulations*,
- sections 4.11 and 4.12 of part 4 (Dangerous Goods Safety Marks) of the *TDG Regulations*,
- special provision 138 of Schedule 2 of the *TDG Regulations*,

if the following conditions are met:

1) General

- a) The cells and batteries are intended for disposal or recycling, and are transported from sites participating in the cell and battery recycling program to the disposal or recycling facilities;
- b) The cells and batteries are forbidden for transport by aircraft; and
- c) The equivalency certificate holder ensures that a copy of this equivalency certificate is available to all participants in the battery recycling program.

2) Means of Containment

- a) The cells and batteries need not be protected from short-circuit and need not be packed to prevent excessive movement during transport if:
 - i) the cells and batteries are contained in a UN standardized drum with Code 1A2 rated for the Packing Group I level of performance;
 - ii) The drum has a lid with pressure vents; and

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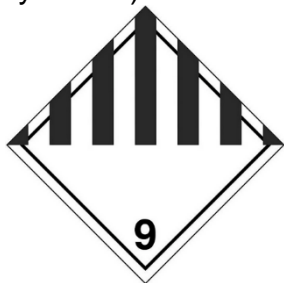
- iii) The perimeter and the base of the drum is lined with a fire suppressant material, such as CellBlockEX, that is designed to reduce the probability of ignition of flammable vapors and the release of toxic fumes in the event of a battery fire.

3) Safety marks – Marking, Labelling and Placarding

- a) The UN standardized drum (UN 1A2) containing the cells and batteries is durably and legibly marked on a contrasting background with:
 - (i) the equivalency certificate number “**SU 13131**”;
 - (ii) the words:
 "Lithium batteries for disposal",
 "Piles au lithium destinées à l'élimination",
 "Lithium batteries for recycling" and/or
 "Piles au lithium destinées au recyclage", as appropriate; and
 - (iii) the Class 9, lithium battery label, illustrated below and in the Appendix of Part 4 of the *TDG Regulations*; and



- b) The road vehicle, railway vehicle or shipping container loaded onboard a vessel on a domestic voyage used to transport the dangerous goods displays the class 9 placard (illustrated below) in accordance with Part 4 (Dangerous Goods Safety Marks) of the *TDG Regulations*.



4) Documentation

- a) A paper or electronic copy of this equivalency certificate accompanies the dangerous goods during transport and must be provided to an inspector or a peace officer immediately upon request.

5) Training

- (a) In addition to the requirements of Part 6 (Training) of the *TDG Regulations*, the certificate holder ensures that the personnel, who are responsible for preparing the cells and batteries for transport, are trained in regards to the conditions of this equivalency certificate.

Signature of Issuing Authority

David Lamarche, P. Eng., ing.

David Lamarche, P. Eng., ing.
Chief, Approvals and Special Regulatory Projects

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(The following Explanatory Note is for information purposes only and is not part of this certificate.)

Explanatory Note

This equivalency certificate authorizes the certificate holder to handle, offer for transport, or transport lithium metal or lithium-ion cells and batteries in a matter that does not comply with:

- subsection 2.43.1(2) of Part 2 (Classification) of the *TDG Regulations*;
- part 3 (Documentation) of the *TDG Regulations*,
- sections 4.11 and 4.12 of part 4 (Dangerous Goods Safety Marks) of the *TDG Regulations*,
- special provision 138 of Schedule 2 of the *TDG Regulations*.

The cells and batteries are intended for disposal or recycling, and are transported from the collection sites serving the general public to the disposal or recycling facilities.

Legend for Certificate Number

SH - Road, SR - Rail, SA - Air, SM - Marine
SU - More than one Mode of Transport
Ren. - Renewal