



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 11601 (Ren. 8)

Certificate Type: N/A

Certificate Holder: Call2Recycle Canada

Mode of Transport: Road, Rail, Marine

Effective Date: September 7, 2023

Expiry Date: September 30, 2028

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*

UN Recommendations: *"Recommendations on the Transport of Dangerous Goods", published by the United Nations (UN), as amended from time to time*

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.

Note 3: No person shall use or apply this equivalency certificate, including the display of its number, when the equivalency certificate has expired or is otherwise no longer in effect. Any alteration of this equivalency certificate renders it invalid. Visit the Transport Canada website for the latest version of this equivalency certificate.

PURPOSE

(The following is for information purposes only and is not part of the certificate.)

Part A - Lithium Batteries transported for disposal, recycling or any other reclamation process

Call2Recycle Canada is a non-profit organization that collects and recycles batteries at no cost for municipalities, businesses, consumers and government agencies. This equivalency certificate authorizes **Call2Recycle Canada** and the participants in the program Call2Recycle to handle, offer for transport or transport and authorizes any person to handle or transport on behalf of **Call2Recycle Canada** or the participants in the program Call2Recycle, dangerous goods that are lithium metal or lithium-ion cells and batteries in a manner that does not comply with:

- part 3 (Documentation) of the *TDG Regulations*,
- sections 4.11 and 4.12 of part 4 (Dangerous Goods Safety Marks) of the *TDG Regulations*, and
- part 6 (Training) of the *TDG Regulations*.

The cells and batteries are transported from the collection sites serving the general public to a triage or sorting facility, to eventually be shipped for disposal or recycling.

Part B - Recycling of sealed lead acid batteries (UN2800)

Part B of this equivalency certificate pertains to sealed lead acid batteries, classified as UN2800. Special Provision 39(2) of the *TDG Regulations* exempts these batteries if they are NOT intended for disposal. The equivalency certificate authorizes the transport of UN2800 that are being transported for disposal or recycling. The sealed lead acid batteries may be transported in the same means of containment as lithium-ion and lithium metal batteries. A means of containment with a mixed load of sealed lead acid batteries and lithium batteries does not need to display any safety marks for the sealed lead acid batteries.

CONDITIONS - Part A

**Lithium Batteries transported for disposal, recycling or any other
reclamation process**

This equivalency certificate authorizes **Call2Recycle Canada and the participants in the program Call2Recycle** to handle, offer for transport or transport and authorizes **any person** to handle or transport on behalf of **Call2Recycle Canada or the participants in the program Call2Recycle**, by road or railway vehicle, or by ship on a domestic voyage, dangerous goods that are:

UN Number	Shipping Name and Description	Class	Packing Group
UN3090	LITHIUM METAL BATTERIES (including lithium alloy batteries)	9	N/A
UN3091	LITHIUM METAL BATTERIES CONTAINED IN EQUIPMENT, (including lithium alloy batteries)	9	N/A
UN3480	LITHIUM ION BATTERIES (including lithium ion polymer batteries)	9	N/A
UN3481	LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT (including lithium ion polymer batteries)	9	N/A

in a manner that does not comply with:

- part 3 (Documentation) of the *TDG Regulations*,
- sections 4.11 and 4.12 of part 4 (Dangerous Goods Safety Marks) of the *TDG Regulations*, and
- part 6 (Training) 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 Call2Recycle program to a triage facility where the batteries will be sorted and packaged in order to be shipped to the disposal or recycling facility;
- b) The cells and batteries are transported in accordance with the requirements of Special Provision 138 of Schedule 2 of the *TDG Regulations*;

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- c) Damaged or defective cells and batteries must not be offered for transport or transported under the conditions of this equivalency certificate;
- d) **Call2Recycle Canada** ensures that a copy of this equivalency certificate is available to all participants in the program Call2Recycle.

2) Means of Containment

- a) Despite Additional Requirements #1, #2, #3 of packing instruction P909 of the *UN Recommendations*, cells and batteries need not be protected from short-circuit and need not be packed to prevent excessive movement during transport if they are transported in one of the following small means of containment:
 - i) UN specification 4G box that meets the requirements for packing group II, with a polyester fiber fire retardant liner affixed to the box to provide a barrier between the cells or batteries and the fiberboard material of the box. The specification of the polyester fiber fire retardant liner, the assembly instruction of the liner to the means of containment and the results of the means of containment battery fire test are kept on file with the Regulatory Frameworks and International Engagement, Regulatory Affairs Branch, Transportation of Dangerous Goods Directorate, Transport Canada, or
 - ii) UN specification 1A2 drum that meets the requirements for packing group I, lined with a non-conductive coating and equipped with a venting device. The specification of the non-conductive coating is kept on file with the Regulatory Frameworks and International Engagement, Regulatory Affairs Branch, Transportation of Dangerous Goods Directorate, Transport Canada;
- b) Despite Special Provision 138(1)(b) of Schedule 2 of the *TDG Regulations*, the cells and batteries may be packed in a non-specification means of containment, if:
 - i) it is designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety, and
 - ii) the non-specification means of containment was distributed to Call2Recycle participants prior to January 1st, 2018.

3) Safety marks – Marking, Labelling and Placarding

- a) The means of containment containing the cells and batteries is durably and legibly marked on a contrasting background with the Class 9, lithium battery label, illustrated in the Appendix of Part 4 of the *TDG Regulations*;
- b) The means of containment containing the cells and batteries is durably and legibly marked on a contrasting background with the equivalency certificate number “**SU 11601**”.

4) Training

- a) **Call2Recycle Canada** provides training videos and/or instructions on their website that explains the requirements of the *TDG Regulations* and the conditions of this equivalency certificate.

CONDITIONS - Part B

Recycling of sealed lead acid batteries (UN2800)

This equivalency certificate authorizes **Call2Recycle Canada and the participants in the program Call2Recycle** to handle, offer for transport or transport and authorizes **any person** to handle or transport on behalf of **Call2Recycle Canada or the participants in the program Call2Recycle**, by road or railway vehicle, or by ship on a domestic voyage, dangerous goods that are:

UN Number	Shipping Name and Description	Class	Packing Group
UN2800	BATTERIES, WET, NON-SPILLABLE, electric storage	8	N/A

in a manner that does not comply with:

- Part 3 (Documentation) of the *TDG Regulations*,
- Part 4 (Dangerous Goods Safety Marks) of the *TDG Regulations*,
- Part 5 (Means of Containment) of the *TDG Regulations*,
- Part 6 (Training) of the *TDG Regulations*, and
- Special Provision 39 of Annex 2 of the *TDG Regulations*,

if the following conditions are met:

1) General

- a) The batteries are intended for disposal or recycling, and are transported from sites participating in the Call2Recycle program to a triage facility where the batteries will be sorted and packaged in order to be shipped to the disposal or recycling facility.

Note: *Sorted batteries that are shipped to disposal or recycling facilities must be transported in compliance with the requirements from the TDG Regulations.*

2) Means of Containment

- a) Batteries must be:
 - i) Transported in a container designed and constructed to prevent inadvertent discharge of articles during normal conditions of transport, and
 - ii) Protected from short-circuit;

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- b) Despite condition 2)a) from Part B of this equivalency certificate, batteries need not be protected from short-circuit and need not be packed to prevent excessive movement during transport if they are transported in one of the following small means of containment:
- i) UN specification 4G box that meets the requirements for packing group II, with a polyester fiber fire retardant liner affixed to the box to provide a barrier between the batteries and the fiberboard material of the box. The specification of the polyester fiber fire retardant liner, the assembly instruction of the liner to the means of containment and the results of the means of containment battery fire test are kept on file with the Regulatory Frameworks and International Engagement, Regulatory Affairs Branch, Transportation of Dangerous Goods Directorate, Transport Canada, or
 - ii) UN specification 1A2 drum that meets the requirements for packing group I, lined with a non-conductive coating and equipped with a venting device. The specification of the non-conductive coating is kept on file with the Regulatory Frameworks and International Engagement, Regulatory Affairs Branch, Transportation of Dangerous Goods Directorate, Transport Canada;

Note: Batteries classified as UN2800 may be transported in the same means of containment as lithium-ion and lithium metal batteries described in Part A of this equivalency certificate.

- c) If the battery is leaking electrolyte, the battery must be packaged as follows:
- i) the battery is placed in a sealed plastic bag, and then placed in the means of containment described in condition 2)a)i) under Part B of this equivalency certificate, or
 - ii) the battery is placed in the means of containment described in condition 2)a)ii) under Part B of this equivalency certificate.

3) Safety marks – Marking, Labelling and Placarding

- a) Batteries that are transported in the same means of containment as lithium-ion and lithium metal batteries described in Part A of this equivalency certificate need not be marked with dangerous goods safety marks required for UN2800;

Note: For greater certainty, a means of containment that contains lithium-ion, lithium metal batteries and UN2800 may only display the class 9 lithium battery label, as required by Part A of this equivalency certificate.

- b) The means of containment is durably and legibly marked on a contrasting background with the equivalency certificate number “**SU 11601**”.

4) Documentation

- a) Batteries classified as UN2800 that are transported in the same means of containment as lithium-ion and lithium metal batteries described in Part A of this equivalency certificate need not be accompanied by a shipping document.

5) Training

- a) **Call2Recycle Canada** provides training videos and/or instructions on their website that explains the requirements of the *TDG Regulations* and the conditions of this equivalency certificate.

Signature of Issuing Authority



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

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(The following is for information purposes only and is not part of the certificate.)

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 Legend for Certificate Number SH - Road, SR - Rail, SA - Air, SM - Marine SU - More than one Mode of Transport Ren - Renewal	

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