



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 Number: SU 13786 (Ren. 1)
Certificate Type: Based on 48D
Certificate Holder: Call2Recycle Canada Inc.
Mode of Transport: Road, Rail, Marine
Effective Date: September 28, 2023
Expiry Date: October 31, 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*

CGSB-43.150: National Standard of Canada CAN/CGSB-43.150, "Design, manufacture and use of UN Standardized drums, jerricans, boxes, bags, combination packaging, composite packaging and other packagings for the transport of dangerous goods, classes 3, 4, 5, 6.1, 8 and 9", published by the Canadian General Standards Board (CGSB), as amended from time to time

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

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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certificate, including the display of its number, when the equivalency certificate has expired or is otherwise no longer in effect.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.

PURPOSE

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

This equivalency certificate is needed for the transportation of lithium metal or lithium ion cells or batteries that are damaged, defective, or subject to a recall., including batteries that are liable to disassemble rapidly, react dangerously, produce a flame or a dangerous evolution of heat, or produce a dangerous emission of toxic, corrosive or flammable gases or vapours.

Based on their stability, the cells and batteries are packaged as required by packing instruction 908 of *CGSB-43.150*, P908 or P911 of the *UN Recommendations*. Alternatively, damaged, defective and recalled batteries may be packaged as follows:

- The cell or battery is placed in an inner packaging (i.e. plastic bag) that completely encloses the cell or battery,
- The inner packaging (i.e. plastic bag), which contains the cell or battery, is placed in an intermediate rigid plastic or metal packaging (i.e. pail) and is surrounded by a non-combustible and non-conductive cushioning material,
- The intermediate rigid plastic or metal packaging (i.e. pail) is then placed in an outer packaging that is a UN specification 4G box that meets the performance requirements for Packing Group I or II.

CONDITIONS

This equivalency certificate authorizes **Call2Recycle Canada Inc.**, the **participants in the Call2Recycle program** or the **consumers** participating in a battery recall to handle, offer for transport or transport, and authorizes **any person** to handle or transport on behalf of **Call2Recycle Canada Inc.**, the **participants in the Call2Recycle program** or the **consumers** participating in a battery recall, by road or rail vehicle, or by vessel in Canada, 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); or LITHIUM METAL BATTERIES PACKED WITH 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); or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)	9	N/A

in a manner that does not comply with:

- Part 3 (Documentation) of the *TDG Regulations*,
- Subsection 5.12(1) of the *TDG Regulations*,
- Part 6 (Training) of the *TDG Regulations*, and
- Special Provisions 137(3), 137(4) and 137(5) in Schedule 2 of the *TDG Regulations*,

if the following conditions are met:

1) General

- a) The cells or batteries are damaged, defective or subject to a recall;

***Note:** This includes batteries that are liable to disassemble rapidly, react dangerously, produce a flame or a dangerous evolution of heat, or produce a dangerous emission of toxic, corrosive or flammable gases or vapours.*

- b) Detailed closure, packing, and shipping instructions are provided to individuals preparing shipments under the conditions of this equivalency certificate;

2) Means of Containment

- a) Damaged, defective or recalled cells or batteries with a volume less than or equal to 450 L are packaged in accordance with Packing Instruction:

- i) 908 CGSB-43.150,
- ii) P908 of the *UN Recommendations*, or
- iii) P911 of the *UN Recommendations*;

- b) Despite conditions 2)a) of this equivalency certificate, cells and batteries that are damaged, defective or recalled may be packaged as follows:

- i) The cell or battery is placed in a plastic bag that completely encloses the cell or battery,
- ii) The plastic bag, which contains the cell or battery, is placed in an intermediate rigid plastic or metal packaging, such as a plastic pail or metal paint can,
- iii) A non-combustible, non-conductive thermal insulation cushioning material is placed inside the intermediate rigid plastic or metal packaging so that it completely surrounds the plastic bag,
- iv) The intermediate rigid plastic or metal packaging is then placed in an outer means of containment that is a UN specification 4G box that meets the performance requirements for packing group I or II,
- v) The total watt-hour (Wh) of all the cells and batteries placed in the outer means of containment shall not exceed 1500 Wh,
- vi) The outer means of containment is loaded and secured on the means of transport in such a way as to prevent, under normal conditions of transport, damage to the outer means of containment or to the means of transport that could lead to an accidental release of the dangerous goods;

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- c) Damaged, defective or recalled cells or batteries that are liable to disassemble rapidly, react dangerously, produce a flame or a dangerous evolution of heat or produce a dangerous emission of toxic, corrosive or flammable gases or vapours are transported in accordance with Packing Instruction P911 of the *UN Recommendations*;

3) Safety marks – Marking, Labelling and Placarding

- a) In addition to the requirements of Part 4 (Dangerous Goods Safety Marks) of the *TDG Regulations*, the means of containment is marked with the following information in a manner that is easy to identify, legible, and in characters that are at least 6 mm high:

- i) the equivalency certificate number “**SU 13786**”, or until January 31, 2024, the previous temporary certificate number “**TU 0660**”,

- ii) the words:

(A) “**DAMAGED/DEFECTIVE LITHIUM METAL BATTERIES, DAMAGED/DEFECTIVE LITHIUM ION BATTERIES - FORBIDDEN FOR TRANSPORT BY AIRCRAFT**”, or

(B) “**PILES AU LITHIUM MÉTAL ENDOMMAGÉES/DÉFECTUEUSES, PILES AU LITHIUM IONIQUE ENDOMMAGÉES/DÉFECTUEUSES – INTERDIT AU TRANSPORT PAR AÉRONEF**”,

4) Documentation

- a) Damaged, defective or recalled cells or batteries that are liable to disassemble rapidly, react dangerously, produce a flame or a dangerous evolution of heat or produce a dangerous emission of toxic, corrosive or flammable gases or vapours are accompanied by a shipping document that complies with the requirements from Part 3 (Documentation) of the *TDG Regulations*, and that contains the following information legibly and indelibly printed:

- i) “**Equivalency Certificate SU 13786 (Ren. 1)**”, or

- ii) “**Certificat d’équivalence SU 13786 (Ren. 1)**”.

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.)

Contact Person:	Molly Mackenzie Call2Recycle Canada Inc. 100, Sheppard Ave East, Unit 800 North York, ON M2N 6N5
Telephone:	647-484-2669
E-mail:	mmackenzie@call2recycle.ca
Legend for Certificate Number	
SH - Road, SR - Rail, SA - Air, SM - Marine SU - More than one Mode of Transport Ren - Renewal	

For more information:	
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TDG regional offices:	
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