



Transportation of Dangerous Goods Directorate
L'Esplanade Laurier
300 Laurier Avenue West
Ottawa, Ontario
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Direction générale du transport des marchandises dangereuses
L'Esplanade Laurier
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TEMPORARY CERTIFICATE PURSUANT TO SUBSECTION 31(2.1) OF THE TRANSPORTATION OF DANGEROUS GOODS ACT, 1992

Certificate Number: TU 0870

Northern Air Transport Association (NATA)
20102 48th Street
Yellowknife Northwest Territories X1A 3X8

Pursuant to subsection 31(2.1) of the *TDG Act*, the Minister may, in the public interest, issue a temporary certificate authorizing any activity to be carried on in a manner that does not comply with the *TDG Act*.

Hand sanitizer may be classified as either UN1170, UN1219, or UN1987. According to the *ICAO Technical Instructions*, when hand sanitizer meets the criteria of a packing group II, the inner package is limited to 500 ml and the total quantity per package is limited to 1 L. These maximum limits imposed by the ICAO Technical Instructions are too low for flights to northern remote communities because:

- most flights use passenger aircraft only, and
- many hand sanitizer suppliers don't package their products for air transport.

The issuance of a temporary certificate is in the public interest and this certificate authorizes the members of the **Northern Air Transport Association (NATA)** to handle, offer for transport or transport, and any person who has a business relationship with the members of the **Northern Air Transport Association (NATA)** to handle and offer for transport, by aircraft, dangerous goods in a manner that does not comply with:

- subsection 12.1(2) of the *TDG Regulations*,

if the following conditions are met:

1) General

- a) The dangerous goods are being transported to a final destination that is deemed to be a limited access location;
- b) The aircraft may stop at other non-limited access locations in route to its final destination;
- c) A paper or electronic copy of this temporary certificate accompanies the dangerous goods during transport and must be provided to an inspector or a peace officer immediately upon request;
- d) The **Northern Air Transport Association (NATA)** ensures that a paper or electronic copy of this temporary certificate is provided to all members of the **Northern Air Transport Association (NATA)**;
- e) A current proof of membership with the **Northern Air Transport Association (NATA)** must be readily available upon request.

2) Classification

- a) The dangerous goods are intended to be used as a hand sanitizer and are classified as one of the following:

UN Number	Shipping Name and Description	Class	Packing Group
UN1170	ETHYL ALCOHOL SOLUTION or ETHANOL SOLUTION containing at least 60% ethanol by volume but not more than 80% ethanol by volume,	3	II or III
UN1219	ISOPROPYL ALCOHOL or ISOPROPANOL containing at least 60% isopropanol by volume but not more than 80% isopropanol by volume	3	II
UN1987	ALCOHOLS, N.O.S., containing at least 60% ethanol and/or isopropanol by volume but not more than 80% ethanol and/or isopropanol by volume	3	II or III

3) Means of Containment

- a) The dangerous goods must be packaged in a combination package.

- b) The inner packagings must:
 - i) be capable of passing a pressure differential test in accordance with Part 4, Chapter 1, paragraph 1.1.6 of the ICAO Technical Instructions,
 - ii) not exceed a volume of 1 L each,

- c) The combination packaging:
 - i) must be capable of passing a 1.2 m drop test on to a rigid, non-resilient, flat and horizontal surface, in the position most likely to cause damage. The criteria for passing the test is that the outer packaging must not exhibit any damage liable to affect safety during transport and there must be no leakage from the inner packaging(s),
 - ii) must be capable of passing a 24-hour stacking test. The criteria for passing the test is the package must be capable of withstanding, without breakage or leakage of any inner packaging and without significant reduction of effectiveness, a force applied to the top surface for a duration of 24 hours equivalent to the total weight of identical packages if stacked to a height of 3 m (including the test sample), and
 - iii) must not exceed a total volume of 10 L.

- d) The combination packages must be packed so that the closures of the inner packages are upward and in an upright position as indicated by the “**Package orientation**” label described in condition 4)a)iv) of this temporary certificate.

4) Marking

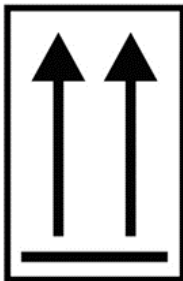
a) The following must be displayed on any side of the combination package, other than the side on which it is intended to rest or to be stacked during transport:

i) The Class 3, Flammable Liquids label as illustrated below:



- A) Each side of the Class 3, Flammable Liquids label must be at least 100 mm in length,
- B) If the size of the package so requires, the minimum dimensions of the label may be reduced to be not less than 50 mm per side provided the mark and label remains clearly visible. The minimum width of the line forming the square on point may be reduced to a minimum of 1 mm,

- ii) The UN number and shipping name of the dangerous goods next to the Class 3, Flammable Liquids label,
- iii) The temporary certificate number "**TU 0870**",
- iv) The package orientation label illustrated below.



- A) The package orientation label must have two black or red arrows on a white or suitable contrasting background.
- B) The dimensions shall be at least 74 mm wide by 105 mm high.
- C) The rectangular border is optional.

b) When packages are placed in an overpack or in a container, the information required by condition 4)a) above must be displayed on two opposite sides of the overpack or container when the information is not visible through the overpack or container. In addition, the word "**OVERPACK**" or "**SUREMBALLAGE**", in letters that are at least 12 mm high, must be written on two opposite sides of the overpack or container;

- c) Packages do not need to display the information required by condition 4)a) above, when they are placed in an overpack or container that is not intended to be dismantled during transport and the information required by paragraph 4)a) is displayed on two opposite sides of the overpack or container.

5) Documentation

- a) The dangerous goods must be accompanied by a shipping document that complies with the requirements of Part 5, Chapter 4 of the ICAO Technical Instructions;
- b) Despite condition 5a) above, the dangerous goods may be accompanied by a document that contains the following information:
- i) The name and address of the consignor and consignee,
 - ii) The UN number, shipping name, class, and packing group of the dangerous goods,
 - iii) The maximum net quantity per package and the total number of packages,
 - iv) A consignor's certification statement using the following words:
"I hereby declare that the contents of this consignment have been properly prepared, packaged, marked, and labelled. All the requirements of Temporary Certificate TU 0870 have been met.", or
"Je déclare par la présente que le contenu de cet envoi a été correctement préparé, emballé, marqué et étiqueté. Toutes les exigences du certificat temporaire TU 0870 sont respectées."
 - v) The name of the individual and his/her signature making the certificate statement,
 - vi) The date the certification statement was made, and
 - vii) A 24-hour number at which the consignor or air carrier can be reached immediately for technical information about the dangerous goods in transport. The consignor must get written permission from the air carrier to use their 24-hour number;

- c) The shipping document must also include the statement:
- “**Temporary Certificate TU 0870 issued by Transport Canada**” or
 - “**Certificat temporaire TU 0870 émis par Transports Canada**”;
- d) The air carrier shall provide written information to the pilot-in-command regarding the quantity and loading locations of the dangerous goods. The information shall be consistent with the information provided by the consignor on the shipping document required by condition 5)a) or b) above.

6) Training

- a) The person handling, offering for transport, or transporting the dangerous goods must be trained in regards to the conditions of this temporary certificate that relate directly to the person's duties and:
- i) Be trained in accordance with Part 1, Chapter 4 (1;4) of the *ICAO Technical Instructions* and possess a valid training certificate in accordance with Part 6 of the *TDG Regulations*,
 - ii) Perform these activities in the presence and under the direct supervision of a person who is adequately trained as per Part 1, Chapter 4 (1;4) of the *ICAO Technical Instructions* and has a valid training certificate in accordance with Part 6 of the *TDG Regulations*, or
 - iii) Be assisted, either in person or by phone, by a person who is adequately trained as per Part 1, Chapter 4 (1;4) of the *ICAO Technical Instructions* and has a valid training certificate in accordance with Part 6 of the *TDG Regulations*. The contact information of the person providing assistance must be given to an inspector immediately upon request.

The following definitions apply in this temporary certificate:

- “**air carrier**” means a person who, whether or not for hire or reward, has possession of dangerous goods while they are in transport by air
- “**ICAO Technical Instructions**” means *The Technical Instructions for the Safe Transport of Dangerous Goods by Air*, published by the International Civil Aviation Organization (ICAO), as amended from time to time
- Limited access location means a location that is not accessible year-round by permanent roadway, railway, or waterway. Included in this definition is:
 - A place serviced by an ice road
 - A place not serviced year-round by vessel due to seasonal ice
- **TDG Act:** Transportation of Dangerous Goods Act, 1992

- ***TDG Regulations***: Transportation of Dangerous Goods Regulations
- Unless the context requires otherwise, words and expressions used in this certificate have the same meaning as in section 1.4 of the *TDG Regulations*.

For greater certainty, this temporary certificate provides no regulatory relief other than specifically stated herein. Therefore, all other requirements of the *TDG Act* and the *TDG Regulations* apply.

This temporary certificate takes effect on February 3, 2022. It remains in effect until the earliest of:

- January 31, 2023, or
- the day it is canceled in writing by the Minister of Transport.

Signature of Issuing Authority

Christopher Blain
A/Executive Director,
Regulatory Framework and International Engagement
Transportation of Dangerous Goods Directorate
Transport Canada

Temporary Certificate TU 0870

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

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