

OPTION A Is the container 0.95 L or less capacity and charged to not more than 1172.1 kPa at 21.1 °C? IF YES, THEN USE PI-CA-UN3163LG-LQ PACKING INSTRUCTION. NO? GO TO OPTION B

OPTION B Is the container not more than 114 L capacity and charged to not more than 517.1 kPa at 21.1 °C? IF YES, THEN USE PI-CA-UN3163LG-LQ PACKING INSTRUCTION.

If your answer is 'NO' to both Option A and Option B above **AND/OR** your total package weight (contents + packaging) is greater than (>) 30 kg, you must use this packing instruction to pack and ship your product.



MODE OF TRANSPORT PROHIBITIONS: NO AIR OR VESSEL SHIPPING IS PERMITTED W/O WRITTEN AUTHORIZATION FROM LIIHAZMAT@LENNOXINTL.COM. IF WRITTEN AUTHORIZATION IS GIVEN, LIMITS ARE: Ground shipping: **ALLOWED 75 L limit** | Passenger Rail: **ALLOWED 75 L limit** | Passenger aircraft: **ALLOWED 75 kg limit** | Cargo aircraft: **ALLOWED 150 kg limit** | Vessel: **ALLOWED, Stowage Category A**

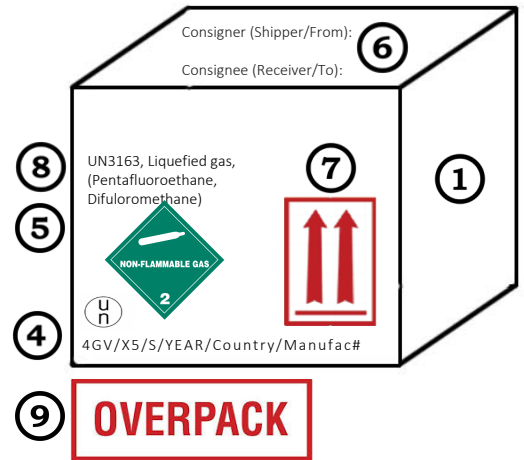
MASS QUANTITY EXEMPTION MAY APPLY:

YOU DO NOT HAVE TO FOLLOW THIS PACKING INSTRUCTION if the total quantity of dangerous goods loaded on the vehicle is less than 500 kilograms and no INDIVIDUAL package exceeds 30 kilograms, as long as the following is completed:

- 1) Packages must be marked and labeled as dangerous goods or display WHMIS labels or Pest Control Product labels.
- 2) The shipping paper needs to only include the class of dangerous goods and the number of 'means of containment' (packages) for that class. If you claim this exemption, the wording for the shipping paper is specifically "Class #, number of means of containment - # " for each class of dangerous goods included in the shipment.

CONTAINER & PACKAGING REQUIREMENTS

- 1) Use strong outer packaging appropriate for weight of contents (i.e. box must be rated for the maximum weight being placed in the box). If you cannot tell the weight rating of the box, please ask your supervisor and/or contact Lennox Environmental at liihazmat@lennoxintl.com or +1-972-497-7532.
- 2) Protect valves from leaking or damage by wrapping, using a cap, or other protective devices. If for any reason, wrapping, caps and protective devices are not available or practical, exemptions may apply. Contact LIIHazmat@lennoxintl.com for a waiver.
- 3) Add separation materials to prevent damage to containers AND hold upright.
- 4) Cardboard packing box must have a PREPRINTED UN symbol on it, and a rating of 4GV/X5/S, 4GV/X7/S, or 4G/Y24.2/S. IF A BOX IS REQUIRED to ship this product. If you do not have a U/N certified box contact your supervisor, you may not use a non-U/N certified box to ship this product.
- 5) Box must be labeled with the Class 2 Non-Flammable Gas Label on two opposite sides of box. NEVER PUT LABELS ON TOP OR BOTTOM OF BOX.
- 6) Place the Consigner (Shipper/From) / Consignee (Receiver/To) on box with weather resistant marking.
- 7) Orientation Arrow is required for this UN number in correct direction (UP) on two **OPPOSING SIDES** of the box.
- 8) Box must be marked with "UN3163" and "Liquefied gas, (Pentafluoroethane, Difluoromethane)" within 15 centimeters of labels in 5
- 9) If you are putting an inner package/box holding this product inside an outer box or on a pallet (i.e. using an 'overpack'), inner boxes MUST MEET THIS PACKING INSTRUCTION. **AND**, outer box or pallet shrink wrap MUST BE MARKED and LABELED with every marking/label used on the inner boxes if not visible through the overpack. **Outer box must have OVERPACK marking.**



An 'overpack' is a container (box, shrink-wrapped pallet, etc.) used to consolidate individual containers in an easier to ship form.

NO ERAP INDEX # || FOR QUESTIONS OR WAIVERS PLEASE CONTACT LIIHAZMAT@LENNOXINTL.COM

DO NOT SHIP UN3163 IN THE SAME VEHICLE WITH THESE CLASSES



NO SEPARATION RESTRICTIONS APPLY

OPTION A Is the container 0.95 L or less capacity and charged to not more than 1172.1 kPa at 21.1 °C?
IF YES, USE THIS PACKING INSTRUCTION.

OPTION B Is the container not more than 114 L capacity and charged to not more than 517.1 kPa at 21.1 °C?
IF YES, USE THIS PACKING INSTRUCTION.

If you answered 'NO' to Option A or B, use packing instruction PI-CA-UN3163LG-R instead.

OR If the total package weight (contents + packaging) is greater than (>) 30 kg, You must use PI-CA-UN3163LG-R.

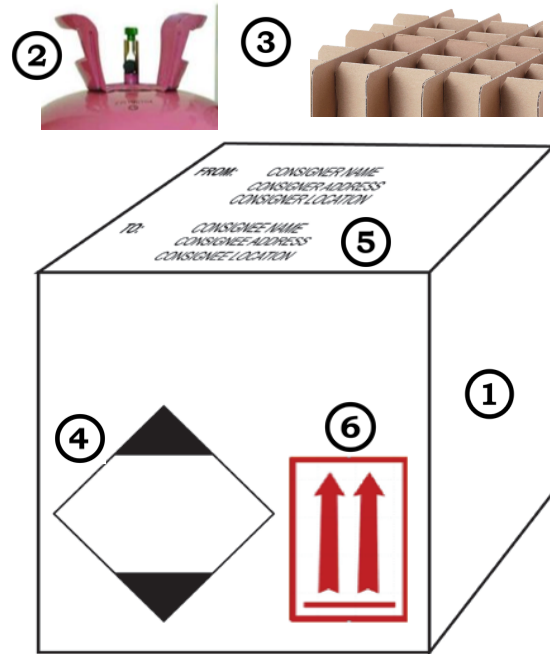


MODE OF TRANSPORT PROHIBITIONS: Ground shipping: **ALLOWED 75 L limit** | Passenger Rail: **ALLOWED 75 L limit** | Passenger aircraft: **FORBIDDEN** | Cargo aircraft: **ALLOWED 150 kg limit** | Vessel: **ALLOWED, Stowage Category A**

GROSS MASS EXEMPTION: IF the total dangerous goods transported by the user / purchaser of the dangerous good(s), are 150 kg gross weight or less **AND** any individual packages are less than 30 kg each, then no documentation, safety marks, UN-spec packaging, TDG training, and reporting are required and the container and packaging requirements below do not apply.

CONTAINER & PACKAGING REQUIREMENTS

- ① Use strong outer packaging appropriate for weight of contents (i.e. box must be rated for the maximum weight being placed in the box). If you cannot tell the weight rating of the box, please ask your supervisor and/or contact Lennox Environmental at liihazmat@lennoxintl.com or +1-972-497-7532.
 - ② Protect valves from leaking or damage by wrapping, using a cap, or other protective devices. If for any reason, wrapping, caps and protective devices are not available or practical, exemptions may apply. Contact LIIHazmat@lennoxintl.com for a waiver.
 - ③ Add separation materials to prevent damage to containers AND hold upright.
 - ④ Box must be marked with the Limited Quantity (LQ) marking on one side of box.
 - ⑤ Place the Consigner (Shipper/From) / Consignee (Receiver/To) on box with weather resistant marking.
 - ⑥ Orientation Arrow is required for this UN number in correct direction (UP) on two **OPPOSING SIDES** of the box.
 - ⑦ If you are putting an inner package/box holding this product inside another box or on a pallet (i.e. using an 'overpack'), inner boxes **MUST MEET THIS PACKING INSTRUCTION**. **AND**, outer container or shrink wrap **MUST BE MARKED** and **LABELED** with every marking/label used on the inner boxes if not visible through the overpack. **Outer box must have the OVERPACK marking.**
- An 'overpack' is a container (box, shrink-wrapped pallet, etc.) used to consolidate individual containers in an easier to ship form.
- ⑧ Weigh the completed package once all items have been added. Verify max gross weight of the package **DOES NOT EXCEED 30 kg**. If weight exceeds 30 kilograms you must use PI-CA-UN3163LG-R for fully regulated hazardous materials packing instructions instead.



WARNING- If liihazmat@lennoxintl.com approves IN WRITING shipping by air or rail, you must add this label to two OPPOSITE sides of box (in addition to the LQ label) and not exceed the quantity limits under **MODE OF TRANSPORT PROHIBITIONS** listed above. IATA shipping papers are required for AIR SHIPPING.

SHIPPING PAPER CHECK IS REQUIRED Before providing shipping papers to a carrier, you must verify the product description on the shipping paper (bill of landing) is correct. If your **package** weighs 30 kilograms (kg) or less, you must add **" , Ltd Qty"** to the shipping paper using a pen after the description located in the **SEE !!WARNING!! IMAGE. PACKAGE WEIGHT:** By legal definition includes all contents including hazardous materials in one container or on a pallet yielding a **TOTAL** weight of shipment (not just individual hazardous material weight).

!! SHIPPING PAPER WARNING !!
ADD ", LTD QTY" ON ANY SHIPMENT 30 kg OR LESS

Descriptions of articles	special marks and Exceptions
***** DANGEROUS GOODS *****	(X.X kg)
UN3163, Liquefied gas, (Pentafluoroethane, Difluoromethane), 2.2, Ltd Qty	←
AIR CONDITIONERS, FURNACES, SOLAR HEATING AND COOLING EQUIPMENT, AND MATERIALS EQUIPMENT, AND SUPPLIES USED IN THE MANUFACTURE, SALE, AND DISTRIBUTION THEREOF.	

NO ERAP INDEX # | | FOR QUESTIONS OR WAIVERS PLEASE CONTACT LIHAZMAT@LENNOXINTL.COM

DO NOT SHIP UN3163 IN THE SAME VEHICLE WITH THESE CLASSES



NO SEPARATION RESTRICTIONS APPLY

UN/ID no.	Proper Shipping Name/Description	Class or Div. (Sub Hazard)	Hazard Labels	PG	Passenger and Cargo Aircraft						Cargo Aircraft Only		Spec. Prov. see 4.4	ERG Co		
					EQ (see 2.6)	Ltd Qty		Pkg Inst	Max Net Qty/Pkge	Pkg Inst	Max Net Qty/Pkge	Pkg Inst			Max Net Qty/Pkge	
						G	H									I
UN3163	LIQUEFIED GAS, N.O.S.	2.2	Non-flammable Gas	E1	Forbidden	Forbidden	200	75 kg	200	150 kg		2L				
UN3163	LIQUEFIED GAS, N.O.S.	2.2	-	-	274	120 mL	E1	P200	-	-	T50	-	F-C, S-V	Category A	-	-
UN3163	LIQUEFIED GAS, N.O.S.	2.2					16		0.125 L	E1						75 L

150 kg Gross Mass Exemption

1.15 (1) Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training) and Part 8 (Reporting Requirements) do not apply to the handling, offering for transport or transporting of dangerous goods on a road vehicle, a railway vehicle or a vessel on a domestic voyage if

(a) in the case of

(i) dangerous goods included in Class 2, Gases, they are in one or more small means of containment in compliance with the requirements for transporting gases in Part 5 (Means of Containment), except that, in the case of dangerous goods that are UN1950, AEROSOLS, or UN2037, GAS CARTRIDGES, the requirement in section 8.1.7 of CGSB-43.123 that aerosol containers and gas cartridges be tightly packed in a strong outer packaging does not apply, or

(ii) dangerous goods not included in Class 2, Gases, they are in one or more small means of containment 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;

(b) except for dangerous goods included in Class 2, Gases, the dangerous goods are contained in one or more means of containment each of which has a gross mass less than or equal to 30 kg;

(c) the gross mass of all dangerous goods

(i) transported on the road vehicle or the railway vehicle is less than or equal to 150 kg, and

(ii) transported on the vessel on a domestic voyage is less than or equal to 150 kg, excluding dangerous goods in a road vehicle or railway vehicle being transported on the vessel; and

(d) the dangerous goods are in a quantity or concentration available to the general public and are transported

(i) by a user or purchaser of the dangerous goods, or

(ii) by a retailer to or from a user or purchaser of the dangerous goods.

(2) Subsection (1) does not apply to dangerous goods that

(a) are in a quantity or concentration that requires an ERAP;

(b) require a control or emergency temperature;

(c) are included in Class 1, Explosives, except for UN numbers UN0012, UN0014, UN0044, UN0055, UN0105, UN0131, UN0161, UN0173, UN0186, UN0191, UN0197, UN0276, UN0312, UN0323, UN0335 if classified as a consumer firework, UN0336, UN0337, UN0351, UN0373, UN0378, UN0404, UN0405, UN0431, UN0432, UN0454, UN0499, UN0501, UN0503, UN0505 to UN0507, UN0509 and UN0510;

(d) are included in Class 2.1, Flammable Gases, and are in a cylinder with a capacity greater than 46 L;

(e) are included in Class 2.3, Toxic Gases;

(f) are included in Class 4, Flammable Solids; Substances Liable to Spontaneous Combustion; Substances that on Contact with Water Emit Flammable Gases (Water-reactive Substances); and in Packing Group I;

(g) are included in Class 5.2, Organic Peroxides, unless they are allowed to be transported as limited quantities in accordance with section 1.17 and column 6(a) of Schedule 1;

(h) are liquids included in Class 6.1, Toxic Substances, and Packing Group I;

(i) are included in Class 6.2, Infectious Substances; or

(j) are included in Class 7, Radioactive Materials, and are required to be licensed by the Canadian Nuclear Safety Commission.

▼ What is a "Limited Quantity" and how does the exemption work ([Section 1.17](#))?

A limited quantity is a small quantity of dangerous goods to which the general public normally has access, such as aerosol sprays and small cans of paint. Since dangerous goods cannot all be shipped as limited quantities, you need to consult Column 6(a) of [Schedule 1](#). You must **not** ship dangerous goods as a "limited quantity" when the index in Column 6(a) is "0".

When shipped as limited quantities, dangerous goods are exempt from several sections of the TDG Regulations. For example, shipping documents, labels, placards, standardized packaging, etc., may be exempted if you meet all of the conditions. It is therefore important to read [Section 1.17](#) thoroughly.

When using this exemption, each outer means of containment (e.g., box, etc.) must have a gross mass of 30 kg or less and display one of the following international marks:

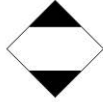


Image A



Image B (in compliance with International Civil Aviation Organization (ICAO) Technical Instructions for the Safe Transport of Dangerous Goods by Air)

Until December 31, 2020, instead of the international mark, the means of containment may display:

- The words "Limited Quantity" or "quantité limitée";
- The abbreviation "Ltd. Qty." or "quant. Itée";
- The words "Consumer Commodity" or "bien de consommation";
- The UN number of each limited quantity of dangerous goods, preceded by the letters "UN", on a square on point (see example below).



The dangerous goods in the inner means of containment (e.g., a box inside another box):

- If solids, have a mass that is less than or equal to the number shown in column 6(a) of [Schedule 1](#), when that number is expressed in kilograms;
- If liquids, have a volume that is less than or equal to the number shown in column 6(a) of [Schedule 1](#), when that number is expressed in litres; or
- If gases, including a gas in a liquefied form, are contained in one or more means of containment each of which has a capacity less than or equal to the number shown in column 6(a) of [Schedule 1](#), when that number is expressed in litres.