

## **SPECIAL REMINDER OF A FEW EXEMPTIONS PROVIDED FOR IN THE TRANSPORTATION OF DANGEROUS SUBSTANCES REGULATION**

The Transportation of Dangerous Substances Regulation issued by the Ministère des Transports du Québec effective August 15, 2002 regulates the handling and transportation of dangerous substances on Québec roads from the point of manufacture or distribution to the point of delivery or unloading. In specific cases, the regulation provides for exemptions based on the type and quantity of dangerous substances being transported.

The Québec regulation adopts by reference the Transportation of Dangerous Goods Regulation (TDGR) issued by Transport Canada.

This information bulletin outlines some of the exemptions provided for in the regulations. It is important however to remember that in regulated tunnels and railway crossings, the Québec requirements apply. Landscaping, lawn mowing, logging and excavation companies that use service vehicles (closed-body), pick-up trucks or trailers to transport petroleum products, welding gas or propane gas<sup>1</sup> will find this information particularly useful. With a good understanding of the exemptions, these service companies will be able to transport dangerous substances in accordance with the requirements of the regulations.

The following information is only intended as general guidance. For legal interpretation, please refer to the regulation itself.

The Transportation of Dangerous Substances Regulation issued by the Ministère des Transports du Québec is available at the following Web address: [www.mtq.gouv.qc.ca](http://www.mtq.gouv.qc.ca) .

The Transportation of Dangerous Goods Regulation issued by Transport Canada is available at the following Web address: [www.tc.gc.ca/tmd](http://www.tc.gc.ca/tmd) .

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<sup>1</sup> Propane cylinders must be placed in an area that is well ventilated and that allows air to come in from the outside.

## **EXEMPTION FOR THE TRANSPORTATION OF DANGEROUS SUBSTANCES WITH A GROSS MASS LESS THAN OR EQUAL TO 500 KG**

The regulations do not apply to dangerous substances in a quantity less than or equal to 500 kg gross mass in transport, if the following conditions are met:

- the substances are contained in one or more secure means of containment<sup>2</sup>, each of which has a gross mass less than or equal to 30 kg, except for gases included in Class 2;
- they are accompanied by a shipping document that includes the primary class of the dangerous substances and the total number of mean of containment;
- each mean of containment has a label displaying the required dangerous substances safety mark or shipping name;
- the driver is trained in accordance with regulations on the transportation of dangerous substances.

This exemption does not however apply to dangerous substances that:

- are forbidden for transport in Schedule 1 or 3;
- require a control or emergency temperature;
- have a primary class or subsidiary class of Class 1, except for Class 1.4S;
- are included in Class 2.1 and are contained in a gas cylinder with a water capacity greater than 46 L;
- are included in Class 2.3;
- are included in Class 4 and Packing Group I;
- are included in Class 5.2, unless they are considered limited quantities in accordance with section 1.17;
- are liquids included in Class 6.1 and Packing Group I;
- are included in class 6.2;
- are included in Class 7 and are required to be licensed by the Canadian Nuclear Safety Commission.

Here is an example:

*A closed-body vehicle carrying the following dangerous substances: three 25-litre capacity gasoline containers (UN1203), one 62-kg carbon dioxide cylinder (UN1013) and one 62-kg compressed oxygen cylinder (UN1072).*

## **EXEMPTION APPLICABLE TO LIMITED QUANTITIES**

A consignment<sup>3</sup> of dangerous substances is considered a limited quantity if:

- the consignment is contained in a secure mean of containment that has a gross mass less than or equal to 30 kg; and

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<sup>2</sup> Secure means of containment is designed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous substances that could endanger public safety. Class 2 gas cylinders must meet prescribed standards.

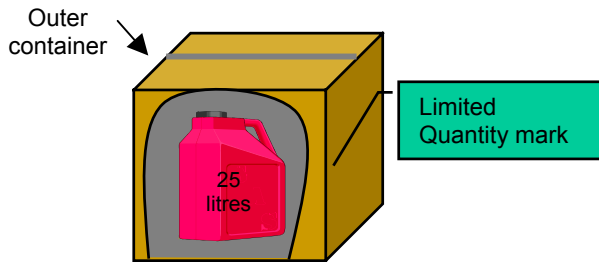
<sup>3</sup> Quantity of dangerous substances in transport and the mean of containment required for transport.

- the mass (solid), the volume (liquid) or the capacity of the mean of containment (gas) of the dangerous substances are less than or equal to the number shown in column 6 of Schedule 1 of the federal TDGR.

The regulations do not apply to limited quantities of dangerous substances in transport, if the following conditions are met:

- the outer container is marked on one side with the words “Limited Quantity”, with each letter at least 25 mm high;
- the accumulation of limited quantities from one consignor to one destination is greater than 500 kg and is accompanied by a shipping document that includes the words “Limited Quantity” and a list of the classes of dangerous substances in the accumulation.

Here is an example:



*The regulations do not apply to the transportation of gasoline (UN1203) in a mean of containment that has a quantity less than or equal to 30 litres when such mean of containment is enclosed in a safe outer container that has a gross mass of less than 30 kg and is marked “Limited Quantity”.*

## **EXEMPTION FOR DANGEROUS SUBSTANCES IN AN INSTRUMENT OR IN EQUIPMENT**

The regulations do not apply to the following substances, if the following conditions are met:

- the dangerous substances are contained in, and are not intended to be discharged from an instrument or a piece of equipment;
- the mass (solid), the volume (liquid) or capacity of the mean of containment (gas) of the dangerous substances are less than or equal to the number shown in column 6 of Schedule 1 of the federal TDGR;
- the net explosive quantity is less than or equal to the number shown in column 6 of Schedule 1 of the federal TDGR.

Here is an example:

*The regulations do not apply to motorized equipment in transport, such as gasoline-powered generators or gasoline-driven compressors (UN1203), provided the fuel tank has a total capacity less than or equal to 30 litres.*

## **EXEMPTION FOR SMALL DIESEL CONTAINERS**

The regulations do not apply to diesel fuel transported in secure means of containment with a capacity less than or equal to 450 litres.

Here is an example:

*The regulations do not apply to ten 205-litre (45-gallon) containers of diesel transported in a closed- or open-body vehicle.*

### **EXEMPTION FOR DIESEL FUEL (UN1202) AND GASOLINE (UN1203)**

Shipping documents, UN-number marking and training are not required if:

- the safety marks are displayed on each mean of containment;
- each mean of containment is safely secured to the road vehicle so that the danger label is visible from outside the vehicle (example: a pick-up truck);
- the total capacity of all the means of containment is less than or equal to 2000 litres;
- the means of containment meet prescribed standards<sup>4</sup>.

However, this exemption no longer applies when a large mean of containment with a capacity greater than 450 litres is transported in a trailer.

Here is an example:

*Transporting a 1000-litre gas or diesel tank in a pick-up truck (open-body vehicle).*

### **EXEMPTION FOR ACETYLENE (UN1001), COMPRESSED AIR (UN1002), ARGON (UN1006), STABILIZED MIX OF METHYLACETYLENE AND PROPADIENE (UN1060), COMPRESSED OXYGEN (UN1072) AND PROPANE (UN1978)**

Shipping documents and training are not required, if the following conditions are met:

- the dangerous substances are contained in no more than five small means of containment;
- the gross mass of dangerous substances is less than or equal to 500 kg;
- the labels on the means of containment are visible from outside the vehicle;
- the means of containment meet prescribed standards.

Here is an example:

*Transporting an 80-kg acetylene cylinder (UN1001), a 62-kg compressed oxygen cylinder (UN1072) and a 20-kg propane cylinder (UN1978) in a pick-up truck (open-body vehicle).*

*Une version française est disponible sur demande.*

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<sup>4</sup> Please refer to the Permit for Equivalent Level of Safety SH6216 for diesel means of containment that have a capacity greater than 450 litres (large mean of containment). This permit can be obtained from the Transport Canada Web site at: [www.tc.gc.ca/tmd](http://www.tc.gc.ca/tmd).