

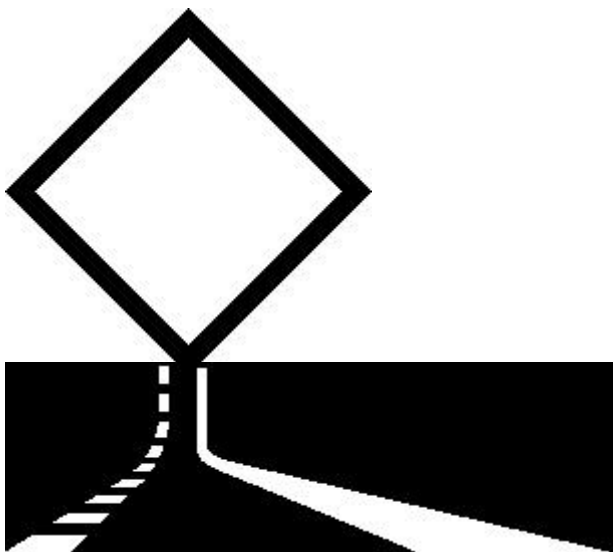
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**A Technical Publication
from the Co-ordination
and Information Centre**

Limited Quantities And Consumer Commodities

November 2009

**Dangerous Goods
And Rail Safety**



**Government
of Alberta** ■
Transportation

This material is meant as a guide to certain parts of the Transportation of Dangerous Goods Regulations and is not meant to be a substitute for them. It is the responsibility of handlers, offerers and transporters of dangerous goods to consult the Regulations for the exact requirements. The Co-ordination and Information Centre of Alberta Transportation can provide accurate information regarding the Regulations 24 hours a day.

Co-ordination and Information Centre

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These telephone lines are recorded to assist in responding to the emergency (natural/manmade) and/or inquiry regarding dangerous goods and to ensure that the information is accurate. Direct any questions regarding the recording to the Compliance Officer responding to your call or contact the Manager of the CIC at 780-427-8660. *Legal Authority: Dangerous Goods Transportation and Handling Act, Section 13(1).*

This bulletin has been prepared to help consignors of dangerous goods understand and identify the exemptions provided for limited quantities and consumer commodities in the Transportation of Dangerous Goods (TDG) Regulations.

Relaxation of certain requirements of the TDG Regulations is acceptable for properly packaged dangerous goods in small quantities that do not pose as severe a hazard as larger quantities of dangerous goods. For this reason, the concept of limited quantity and consumer commodity was incorporated into the Regulations. For certain modes of transport, additional requirements must be met. The TDG Regulations should be consulted for further information.

DEFINING LIMITED QUANTITIES

Section 1.17 exempts dangerous goods transported in limited quantities and as consumer commodities:

1.17 Limited Quantities

- (1)** A quantity of dangerous goods, other than explosives, is a limited quantity if
- (a)** the dangerous goods are in one or more means of containment that 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
 - (b)** each means of containment has a gross mass less than or equal to 30 kg and the dangerous goods
 - (i)** if a solid, have a mass that is less than or equal to the number shown for them in column 6 of Schedule 1 when that number is expressed in kilograms,
 - (ii)** if a liquid, have a volume that is less than or equal to the number shown for them in column 6 of Schedule 1 when that number is expressed in litres, or
 - (iii)** if a gas, 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 for them in column 6 of Schedule 1 when that number is expressed in litres.

- (2) Part 3 (Documentation), Part 4 (Dangerous Goods Safety Marks), Part 5 (Means of Containment), Part 6 (Training), Part 7 (Emergency Response Assistance Plan) and Part 8 (Accidental Release and Imminent Accidental Release Report Requirements) do not apply to the handling, offering for transport or transporting of limited quantities of dangerous goods on a road vehicle, a railway vehicle or a ship on a domestic voyage if the means of containment is marked on one side, other than the side on which it is intended to rest or to be stacked during transport, with the words "Limited Quantity" or "quantité limitée", the abbreviation "Ltd. Qty." or "quant. Itée" or the words "Consumer Commodity" or "bien de consommation" and the words are visible and legible and displayed on a contrasting background.
- (3) When a limited quantity of dangerous goods is in a means of containment that is inside another means of containment, the inner means of containment is not required to be marked if
- (i) the gross mass of the outer means of containment is less than or equal to 30 kg
 - (ii) the outer means of containment is not intended to be opened during transport, and
 - (iii) the outer means of containment is marked, legibly and visibly on a contrasting background with the words "Limited Quantity" or "quantité limitée", the abbreviation "Ltd. Qty." or "quant. Itée" or the words "Consumer Commodity" or "bien de consommation".
- (4) Instead of marking the limited quantity of dangerous goods legibly and visibly on a contrasting background with the words "Limited Quantity" or "quantité limitée", the abbreviation "Ltd. Qty." or "quant. Itée" or the words "Consumer Commodity" or "bien de consommation", the means of containment may have displayed on it the UN numbers of the limited quantities of dangerous goods preceded by the letters "UN" placed within a diamond-shaped mark. The line forming the diamond-shaped mark must be black with a width of at least 2 mm. If the dangerous goods have different UN numbers, then the mark must be large enough to include each UN number. Each side must not be less than 50 mm. The UN numbers and letters must be at least 6 mm high. The line, UN numbers and letters must be on a contrasting background.
- (5) When the gross mass of an accumulation of limited quantities of dangerous goods offered for transport by one consignor to one destination is greater than 500 kg, the consignor must give to the carrier a document that includes the words "Limited Quantity" or "quantité limitée", the abbreviation "Ltd. Qty." or "quant. Itée" or the words "Consumer Commodity" or "bien de consommation". The reporting requirements in Part 8, Accidental Release and Imminent Accidental Release Report Requirements, must be complied with.