

Limited Quantities



'Limited Quantities', sometimes called 'LQ'.

Limited Quantities are dangerous goods packed in small enough quantities (small receptacles) resulting that the overall danger in carriage (spillage) is reduced.

Limited Quantities does not mean not mean exemption of ADR regulations.

Most goods have defined limited quantity allowance, defined per UN Number.

There are some goods have no limited quantity Allowance UN 1057, Lighters and Lighter Refills, or UN 0336 Fireworks are such examples.

As long as the goods are carried in quantities under the defined LQ receptacle size, and have an outer packaging to them, and packed in no more than 30 Kg (gross weight) per outer Packaging or 20kg(gross weight) on a shrink-wrapped tray, then the vehicle by road is exempt of ADR Regulation requirements.

Consignors must inform the carrier of Limited Quantity Goods to be consigned in a traceable form.



Limited Quantities by Road

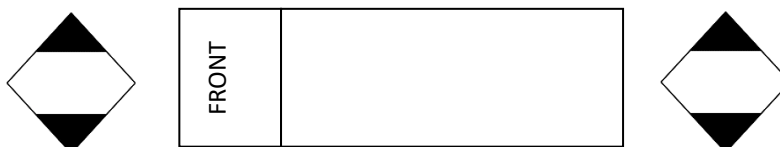
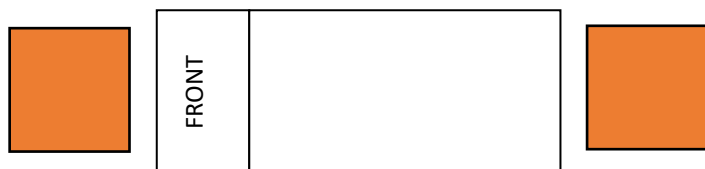
LQ receptacle size

The LQ receptacle size can be found in ADR 20xx Table A under the column 3.4. UN 1210 PGI declares the limited Quantity is 500ml. UN1210 PGIII declares the limited quantity is 5 litres.

Where there is a no entry or an entry of 0 (zero), you cannot consign and transport the good under limited quantities.

Marking of vehicles

Vehicles over 12,000kg Unladen Mass, carrying more than 8000Kg of Limited Quantity Goods must show the Limited Quantity Markings except where orange plates are already displayed.

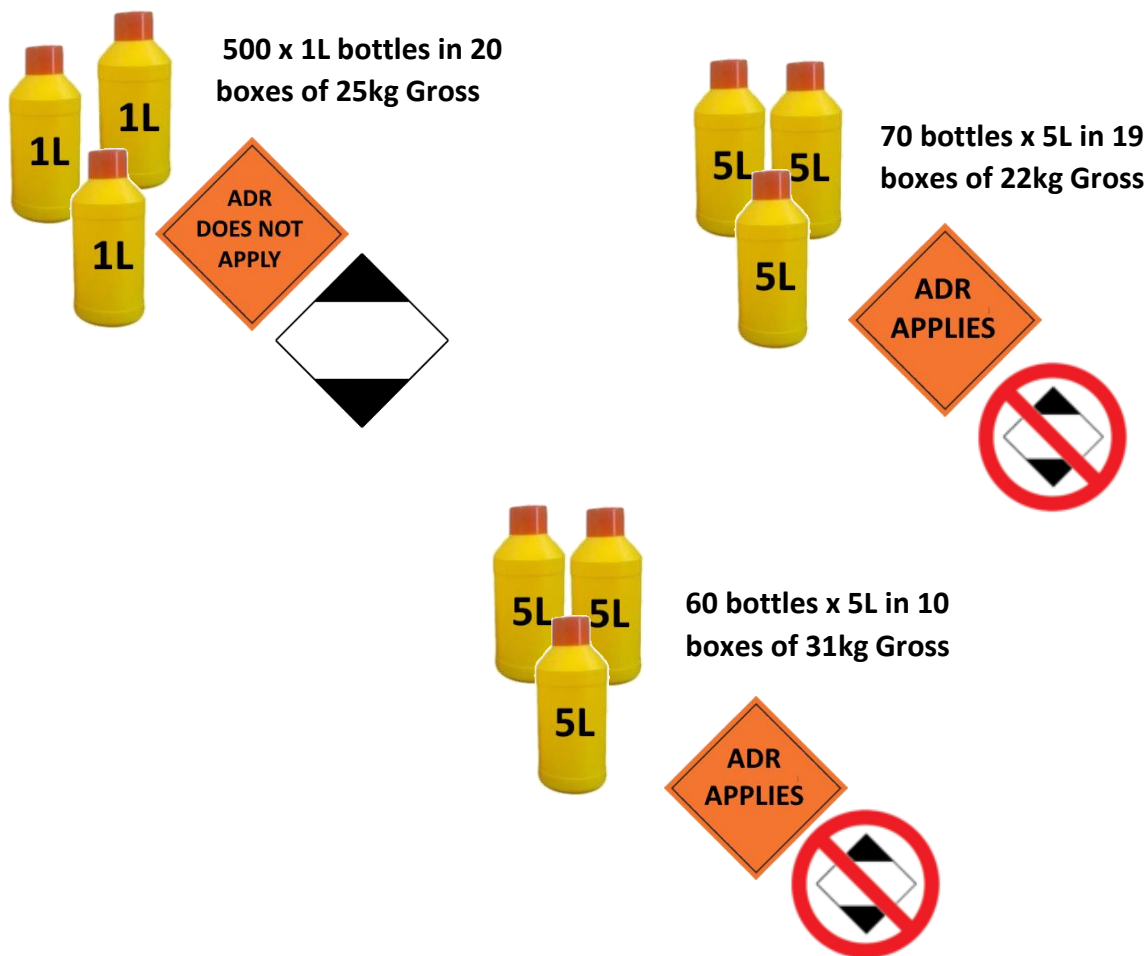


Applying Limited Quantities

Consignment scenario

Assuming the goods are packed with an outer packaging to them, and packed in no more than 30Kg gross per outer Packaging or 20kg gross on a shrink-wrapped tray;

The UN1220 ISOPROPYL ACETATE PGII with a limited quantity of 1L.



500 x 1L bottles in 20 boxes of 25kg Gross - LQ applies with the goods being able to be transported under Limited Quantities as the inner package and outer package do not exceed the allowances.

70 bottles x 5L in 19 boxes of 22kg Gross LQ does **not** apply as under Limited Quantities the inner package exceeds the limited quantity (1L in this case) although the outer package does not exceed the allowances.

60 bottles x 5L in 10 boxes of 31kg Gross LQ does **not** apply, as the outer package exceeds 30kg Gross and the inner exceeds the maximum quantity per inner allowed. The packages now have to be UN approved and marked and labelled correctly.

Limited Quantity Documentation

Documentation

- The gross weight of the dangerous goods transported in limited quantities must be communicated to the consignee.

Overpacks

If the marks are not visible the letters "OVERPACK";

- Lettering displayed should be least 12mm high
- Official language of the country of origin and if not English, German or French unless otherwise agreed between the countries.
- Orientation arrows as required.

In Summary

- Goods must be carried in small containers (e.g., bottles), which are then packed in boxes or on shrink-wrapped trays.
- The maximum gross weight is 30kgs for boxes or 20kgs for shrink-wrapped trays
- Outer packages must bear limited quantities mark.
- There is a requirement, under certain circumstances, for the marking of a transport unit which is carrying dangerous goods in "Limited Quantities".