



**REGULATIONS FOR ROAD TRANSPORT  
OF DANGEROUS GOODS – 1.4S  
UPDATED ADR 2009  
(UN N° 0012 - UN N° 0014 - UN N° 0044 - UN N° 0055)**

The transport of dangerous explosive materials is governed by the regulations commonly known as “ADR”. The first ADR protocol, which concerned only international traffic, was recognized in Italy in 1962. The European Union, with the intent of bringing the different sectors into line, issued for the transport sector the Directive 94/55/CEE, which made the application of the two annexes A and B of the ADR obligatory as from 1 January 1997, even for internal transport. At the moment the new directive “ADR 2009” is in force.

**Source: Restructured ADR 2009 – applicable as from 1 July 2009 European Agreement Concerning the International Carriage of Dangerous Goods by Road.**

As regards road transport of goods classified as **1.4S** (for example **N° UN 0012**, *cartridges with inert projectile for firearms*, **UN 0014**, *blank cartridges*, **UN 0044** primers, cap type and **UN 0055**, *empty cartridge cases with primer* governed by the ADR Agreement for road transport of dangerous goods, on the basis of the existing regulations the following comments can be made:

- 1. Since the means of transport falls into the 4<sup>th</sup> category of ADR transport, no load limitation is imposed (para. 1.1.3.6.3 and more specifically para. 7.5.5.2.1).**
- 2. For transport of goods of class 1.4S, as per UN 0012, 0014, 0044 and 0055, with the exemptions listed in para. 1.1.3.6.2 of ADR 2001:**
  - a. no special construction or approval EX/II, EX/III is required for the vehicles used for such transport (specific exemption from the rules set out in Part 9 of the ADR);
  - b. no specific training in preparation for the ADR Licence or the pertinent certificates is required for the drivers of the vehicles carrying the goods in question (general exemption from Part 8, para. 8.2.1, para. 8.5 S1 letter (a));
  - c. it is not necessary to affix any indication panel on transport vehicles, containers and trailers (specific overall exemption from the rules set out in Section 5.3 of the ADR);

- d. it is not necessary to provide the driver with any written instructions regarding accidents or contingencies (specific exemption from the rules set out in Section 5.4.3 of the ADR);
- e. no type of “safety sheet” must accompany the goods during transport;
- f. the goods transported may be loaded or unloaded on public land inside and outside inhabited centres, and no special authorization is required from the competent authorities nor any prior notice to said authorities (specific exemption from the rules set out in Section 7.5.11 heading (CV1) (1) n° (1) letters (a) and (b) of the ADR);
- g. it is not necessary to provide individual general protection equipment (exemption Section 8, and in particular para. 8.1.5).

**3. For transport of goods of class 1.4S, without prejudice to the exceptions as per n° 1 and as per UN 0012, 0014, 0044 and 0055, it is necessary, pursuant to para. 1.1.3.6.2 of the ADR:**

- a) that the transport document as in Section 5.4.1, listing all the dangerous goods transported (para. 8.1.2.1, letter (a)) be handed to the driver;
- b) that the vehicle concerned is provided with at least one portable fire extinguisher with a minimum capacity of 2 kg of powder (or equivalent capacity for another suitable type of extinguisher), approved and easily accessible, alternatively that the vehicle is equipped with a fixed fire-fighting device (para. 8.1.2.1, letter (a));
- c) that illumination devices with metal surfaces capable of causing sparks (para. 8.3.4) are not used on the vehicle;
- d) that on the vehicle concerned, near it and during loading and unloading operations, no fire is used or naked flames are introduced (Section 8.5 S1 n° (3));
- e) when the total net weight of explosive material exceeds 50 kg, the vehicle must be guarded at all times in the ways described in Chapter 8.4 (special rules, Section 8.5 S1 n°(6));

- f) that the personnel charged with the transport, loading and unloading of the goods must receive from their employer general and specific training regarding the regulations for transport of dangerous goods (8.2.3);
  - g) that the surface of the loading floor of the vehicle or container must be perfectly clean before starting loading operations (para. 7.5.11 – CV2(1));
  - h) to respect the prohibition of smoking (para. 7.5.9 – para. 8.3.5), and of use of fire or naked flames in the vehicle or container where the goods are loaded, in its vicinity and during loading and unloading operations (para. 7.5.11 – CV2(1));
  - i) that the driver or his assistant respect the prohibition to open the packages during the transport (para. 8.3.3).
- 4. Transport of goods of class 1.4S, as per n° UN 0012, 0014, 0044 and 0055 ADR, with other dangerous goods as listed in the table at para. 7.5.2.1 and with goods of the same class, as listed in the table at para. 7.5.2.2, is permitted.**
- 5. When explosives of different classes are loaded on the same vehicle, the net weight of 1.4S is not taken into account when calculating the quantities carried in relation to the transport limits (7.5.5.2.2).**
- 6. Transport of goods in risk class 1.4S together with goods for human or animal food consumption is permitted, without the need for any special separation of the packages (since for this type of goods the particular conditions CV28 shown in column 18 of table A of Section 3.2, which states that special precautions must be taken to separate certain dangerous goods from foodstuffs during transport, para. 7.5.4, are not contemplated).**
- 7. Transport of goods in risk class 1.4S together with other goods, not dangerous when foodstuffs, is permitted on the basis of the previous points without any special loading precautions.**
- 8. The transport document must state the code of the accepted tunnel (for cartridges 1.4S the code is “E”, para. 5.4.1.1.1 letter K).**