

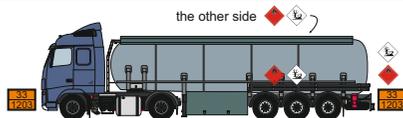
Basic placarding and marking



Vehicle carrying packages only



Tank-vehicle



Tank-vehicle, simplified placarding and labeling



Vehicle for carriage in bulk



Vehicle carrying container



Vehicle carrying tank-container



Tank-vehicle, elevated temperature

Euro Contrôle Route (ECR)

Group of European Transport Inspection Services working together to improve road safety, sustainability, fair competition and labour conditions in road transport by activities related to compliance with existing regulations.

ECR's activities centre around following pillars:

- Coordinated cross border checks;
- Enforcement information exchange
- Education and training;
- Harmonisation;
- Consolidated points of view / common interest and influence decision making process

<https://www.euro-controle-route.eu/>

ADR 2021

Recognition of danger

Transport of dangerous goods



Labels / placards

Explosive substances or articles
(** division / * compatibility group)

Gases

Flammable liquids

Substances liable to spontaneous combustion

Oxidizing substances

Toxic substances

Radioactive material

Corrosive substances

Orange-coloured plates

Example of orange-coloured plate with hazard identification number and UN number

Orange-coloured plate

Meaning of hazard identification numbers:

- 2 Emission of gas due to pressure or to chemical reaction
- 3 Flammability of liquids (vapours) and gases or self-heating liquid
- 4 Flammability of solids or self-heating solid
- 5 Oxidizing (fire-intensifying) effect
- 6 Toxicity or risk of infection
- 7 Radioactivity
- 8 Corrosivity
- 9 Risk of spontaneous violent reaction

Doubling of a figure indicates an intensification of that particular hazard (e.g. 66 highly toxic substance). Where the hazard associated with a substance can be adequately indicated by a single figure, this is followed by zero (e.g. 80 corrosive or slightly corrosive substance). If a hazard identification number is prefixed by the letter "X", this indicates that the substance will react dangerously with water. (e.g. X362 flammable liquid toxic, which reacts dangerously with water, emitting flammable gases).

The following combinations of figures, have a special meaning:

- 22 refrigerated liquefied gas, asphyxiant
- 323 flammable liquid which reacts with water, emitting flammable gases
- 333 pyrophoric liquid
- 362 flammable liquid, toxic, which reacts with water, emitting flammable gases
- 382 flammable liquid, corrosive, which reacts with water, emitting flammable gases
- 423 solid which reacts with water, emitting flammable gases, or flammable solid which reacts with water, emitting flammable gases or self-heating solid which reacts with water, emitting flammable gases
- 44 flammable solid, in the molten state at an elevated temperature
- 446 flammable solid, toxic, in the molten state, at an elevated temperature
- 462 toxic solid which reacts with water, emitting flammable gases
- 482 corrosive solid which reacts with water, emitting flammable gases
- 539 flammable organic peroxide
- 606 infectious substance
- 623 toxic liquid, which reacts with water, emitting flammable gases
- 642 toxic solid, which reacts with water, emitting flammable gases
- 823 corrosive liquid which reacts with water, emitting flammable gases
- 842 corrosive solid which reacts with water, emitting flammable gases
- 90 environmentally hazardous substance; miscellaneous dangerous substances
- 99 miscellaneous dangerous substance carried at an elevated temperature

Examples of other marking

Dangerous goods packed in limited quantities

Packages containing limited quantities

Packages containing limited quantities conforming to the ICAO Technical Instructions.

Transport unit with a maximum mass exceeding 12 tonnes carrying dangerous goods packed in limited quantities.

Container carrying dangerous goods packed in limited quantities, on transport units with a maximum mass exceeding 12 tonnes.

The marks may be dispensed with, if the total gross mass of the packages in limited quantities carried does not exceed 8 tonnes per transport unit.

Asphyxiation warning mark

The fumigation warning mark

Environmentally hazardous substance

Elevated temperature substance

DO NOT OPEN DURING CARRIAGE. LIABLE TO SPONTANEOUS COMBUSTION.

DO NOT OPEN DURING CARRIAGE. GIVES OFF FLAMMABLE GASES ON CONTACT WITH WATER

WARNING NO VENTILATION OPEN WITH CAUTION

WARNING CLOSED MEANS OF CONTAINMENT OPEN WITH CAUTION

Orientation arrows

Excepted quantities mark

Lithium battery mark, special provision 188

Packaging corresponds to a tested design type

1A1/Y/1.4/150/98/NL/VL824