

Label requirements

Transport labels:

All packaging marks shall be:

- Readily visible and legible
- To withstand open weather exposure without a substantial reduction in effectiveness

Label models:

Label model No. 2.1 Flammable gases:



Label model No. 2.3 Toxic gases:



Label model No. 3: Flammable liquids



Label model No. 6.1: Toxic substances



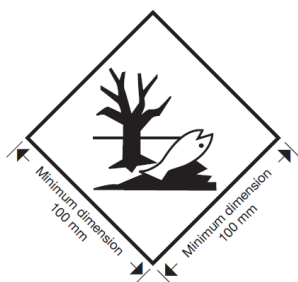
Label model No. 8: Corrosive substances



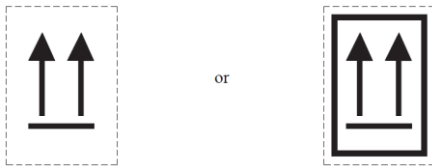
Label model No. 9: Miscellaneous dangerous substances and articles, including environmentally hazardous substances



Environmentally hazardous substance mark:

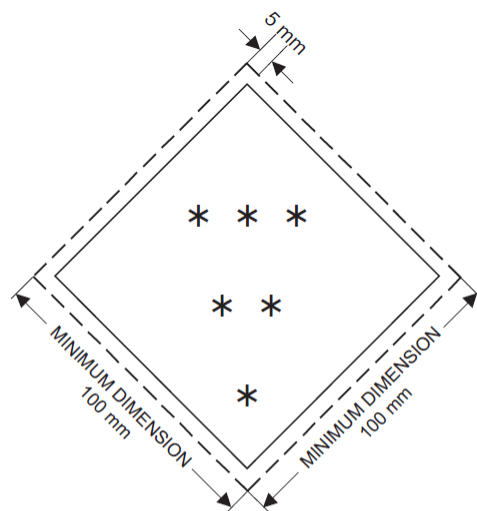


Orientation arrows: for drums and IBC's



Packaged goods:

- UN number at least 12mm high. opposite sides
- Packaging containing environmental hazardous substances shall be durably marked with the environmentally hazardous substance mark
- Combination packagings having inner packaging containing liquids or single packagings fitted with vents shall be legibly marked with package orientation arrows. They shall appear on 2 opposite vertical sides of the package with the arrows pointing in the correct upright direction.
- Labels shall be affixed to the same surface of the package, must not be covered or obscured and be displayed next to each other when more then one label is required. And shall be configured with the minimum dimensions as shown below:



Class/division label

- * The class or for Classes 4.1, 4.2 and 4.3, the figure "4" or for Classes 6.1 and 6.2, the figure "6", shall be shown in the bottom corner.
- ** Additional text/numbers/symbol/letters shall (if mandatory) or may (if optional) be shown in this bottom half.
- *** The class symbol or, for divisions 1.4, 1.5 and 1.6, the division number and for Model No 7E the word "FISSILE" shall be shown in this top half.

Drums : 1 set of labels per drum

IBC's: set of labels on 2 opposite sides

Big Bags: Set of labels on every site of the Big Bag. If dark overpacking is used 1 set of labels needs to be placed on the overpackaging.

Bags: Filling order info imprinted on each individual bag. Wrapping foil labeled with one set of the labels – dependent if all bags are from same filling order, or from different filling orders (“mixed pallets”)

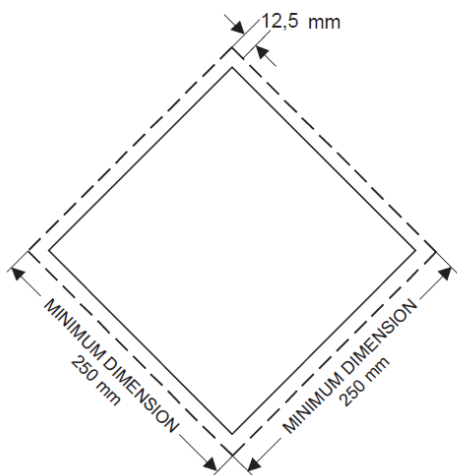
Bulk:

- Placards

Shall be weather-resistant and shall ensure durable marking throughout the entire journey.

They shall be affixed to both sides and at each end of the container or portable tank. When the tank container or portable tank has multiple compartments and carries 2 or more dangerous goods, the placards shall be displayed along each side at the position of the relevant compartment and 1 placard of each model shown on each side at both ends.

Dimensions:



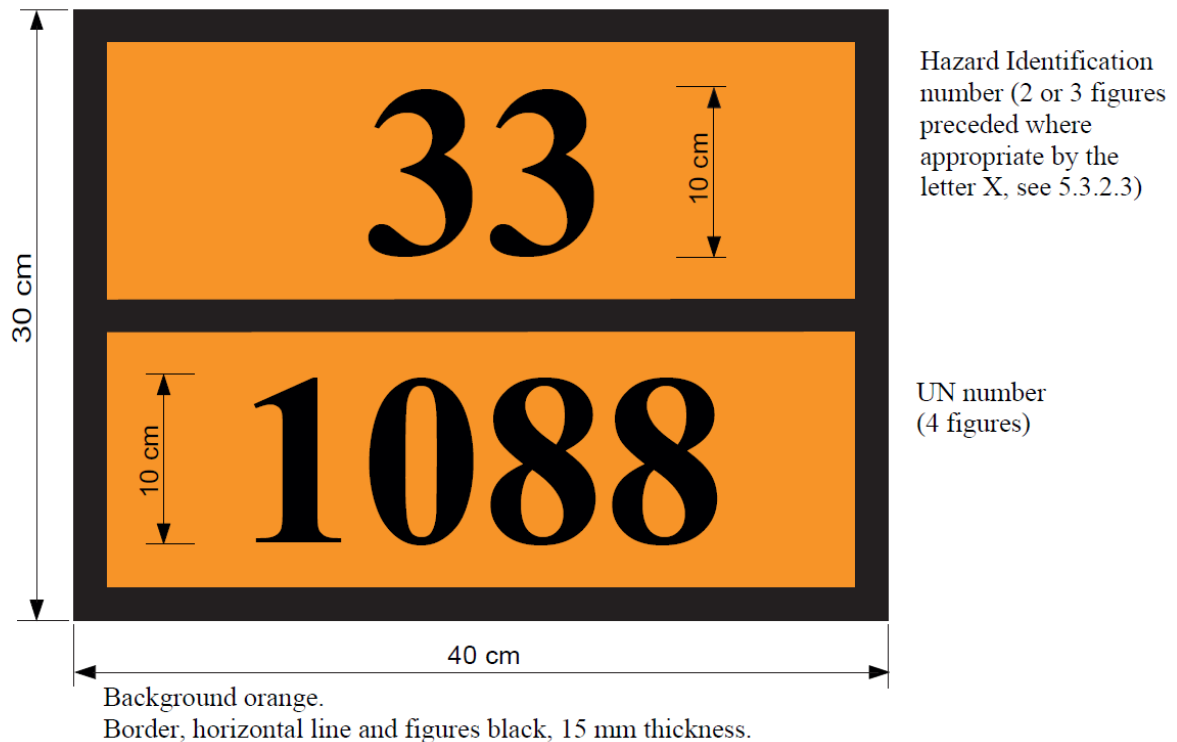
Placard (except for Class 7)

- Orange plates

Transport units carrying dangerous goods shall display 2 rectangular orange-coloured plates set in a vertical plane. They shall be affixed one at the front and one at the rear of the transport unit. They shall be clearly visible.

When using a one-compartment truck the orange plates will state the hazard identification number on the top half and the UN number on the bottom half of the placard. When using a multi-compartment truck the orange placards used will not state a hazard identification number nor UN number on the front or the back. The orange placard with the hazard identification number and UN number will be put on the sides identifying the correct compartment.

Example:



- IMDG proper shipping name label

The proper shipping name of the content shall be durable marked on at least both sides of the container. It shall be displayed in characters not less than 65mm high. The proper shipping name shall be of contrasting colour with the background.

GHS labels

Elements of the label of non-dangerous products

For traceability purposes, ISO 9002, use the following data:

- Name, address and telephone number of the supplier + emergency telephone number
- Product name
- Lot n°/ Order n°
- weight

Elements of the label dangerous products:

- Name, address and telephone number of the supplier + emergency telephone number
- The nominal quantity
- Product identifier shall be the same as used in the safety data sheet:
 - for substances: name and identification number(index, CAS or EC number)
 - for mixtures: trade name and identity of all substances in the mixture
- Hazard pictograms and statements, where applicable
- Relevant signal word (danger or warning), where applicable
- Appropriate precautionary statements where applicable
- A section for supplemental information

Hazard pictograms



Languages

The regulation requires the label to be written in the official language or languages of the Member States where the substance or mixture is placed on the market.

Location:

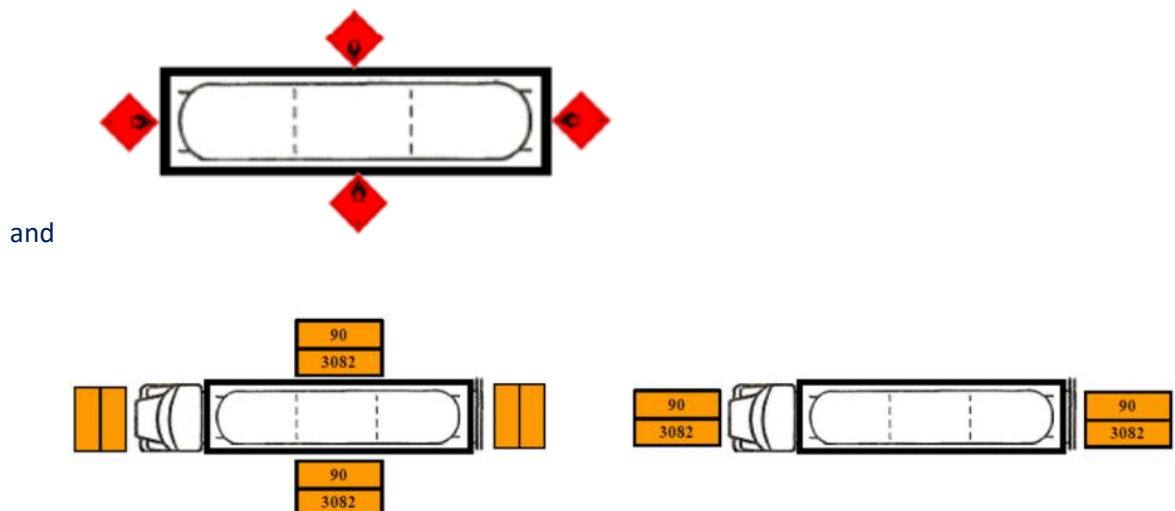
The information should be structured in a way that is easy to read and understand.

Minimum dimensions Conform EU 2008/1272:

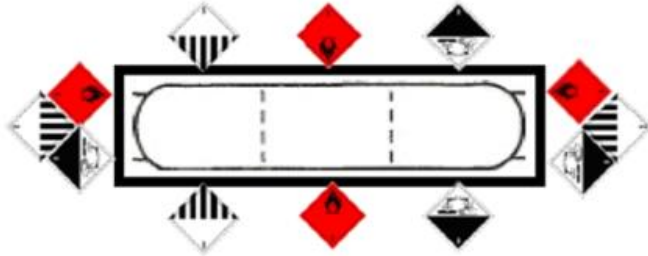
Capacity of the package	Dimensions of the label (mm)	Dimensions of the pictogram (mm)
>50 liters but < 500 liters	At least 105 x 148	At least 32 x 32
>500 liters	At least 148 x 210	At least 46 x 46

Examples label placements:

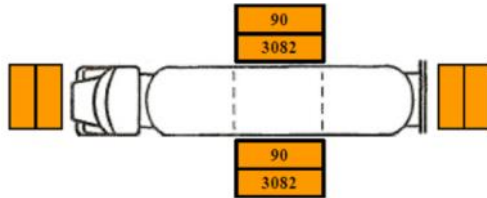
- ADR 1 compartment tankcontainer



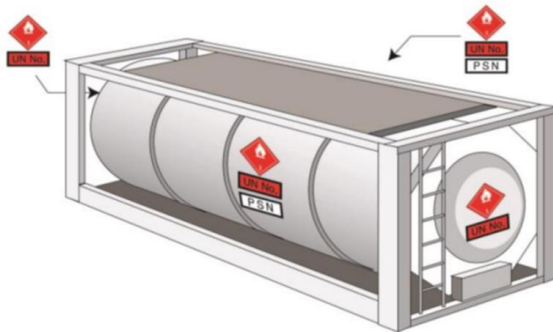
- ADR multiple compartment tankcontainer



and



- IMDG



Dhondt Evelyn
Dangerous Goods Safety Advisor ADR/RID
Ineos Europe AG Division Oxide

A handwritten signature in black ink that reads "Dhondt E".

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