

IMPORTANT LEGAL REGULATIONS FOR TANK CONTAINER



Transport of hazardous substances, e.g. petrol or diesel, is generally subject to comprehensive national and international regulations.

National:

- GGVSEB** Ordinance on the transport of dangerous goods by road, rail, and inland waterways
- GGVSee** Ordinance on the transport of dangerous goods by maritime shipping

International:

- ADR** International agreement on transport of dangerous goods by road
- RID** International agreement on transport of dangerous goods by railway
- ADN** International agreement on transport of dangerous goods by inland shipping
- IMDG code** International agreement on transport of dangerous goods by seagoing vessels

maximum capacity of 3,000 litres and packaging is restricted to a capacity of 450 litres.

As mentioned, the specified regulations are generally applicable. However, there are differences in application depending on the approval of the container and exceptions. Please note that the conditions for safe transport and universal application are only met by approved containers.

To ensure better readability, the term ADR is used in the following to refer to all regulations on transport of hazardous substances.

For transport of hazardous substances, type-tested and approved containers like tankers, tank containers and packaging including intermediate bulk containers (IBCs) are generally required. Rietbergwerke manufacture tank containers, IBCs and packaging. In terms of their capacity, tank containers are theoretically unlimited; IBCs have a

INFO



CONTAINERS

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Type testing and approval

Whether containers are approved tank containers can be clearly identified according to the approval number. For example:

D / BAM 17 10 / TC
¹ ² ³ ⁴ ⁵

- 1** Country of approval
- 2** Approving institution
- 3** Only for older approvals:
Marking for the transport carrier the container is approved for. (e.g. 17 = road)
This is no longer specified for newer approvals
- 4** Approval serial number
- 5** Tank container

Marking

The approval number of a tank container is also attached on two opposite sides at the height of the centre of the container. The tank coding is also specified at two opposite sides. For example:

L 2,65 D H
¹ ² ³ ⁴

- 1** Tank for fluids
- 2** Calculation pressure: 4 bar
- 3** Tank with top openings without openings under the filling level
- 4** Air-tight tank

Additionally, the official designation of the (currently) transported substance is to be specified according to ADR paragraph 6.8.2.5.2 as well as the name of the owner and the operator, the capacity and the net weight with the admissible maximum weight.

According to ADR subsection 5.3.1.2, large signs (size: 250 x 250 mm, example for diesel: no. 3, flame, black or white on red surface) have to be attached to both sides.

According to ADR section 5.3.6, large signs (250 x 250 mm) with the mark for environmentally hazardous substances must be attached on both sides.

According to ADR section 5.3.2, orange marking is to be applied. This may be a warning sign or an adhesive label [size: 400 x 300 mm, example for diesel: top 30 (substance-specific number for hazard marking), bottom 1202 (UN number for diesel)].

Together with the container, we provide everything required for initial marking.



Inspection and testing

All tank containers are subject to mandatory repeated inspection and testing according to EN 12972 by a qualified professional in intervals of 2½ years as of the date of the first (factory) inspection. This generally includes:

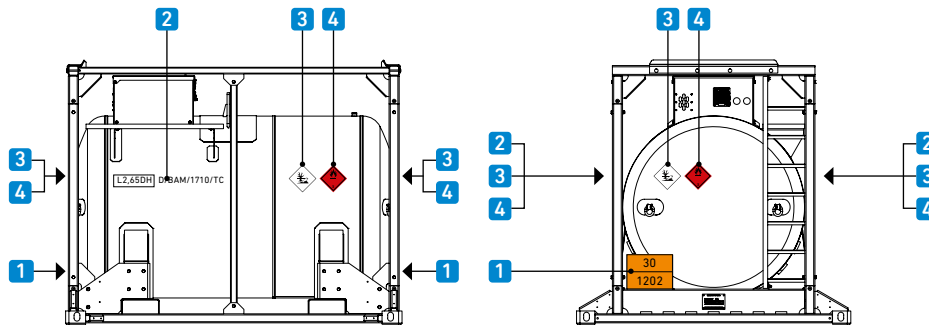
- > Water pressure leakage testing with an overpressure according to the approval
- > Inspection on the inside
- > Function check of all equipment components

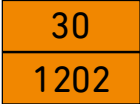


Transport

For transport of tank containers, all applicable ADR rules and regulations must be observed. An ADR certificate for tankers is required.

Transport under simplified conditions like for IBCs and packaging is not possible for tank containers.

Exemplary illustration for the identification marking of a tank container



No.	Symbol	Description
1		Identification marking with orange-coloured panel: UN Number 1202: Diesel fuel/heating oil Hazard Number 30: Flammable liquid material (flash point from 23°C to 61°C inclusive) or flammable liquid material or solid material in a molten status having a flash point above 61°C, heated to or above its flash point, or self-heating capable liquid material
2	L2,65DN D/BAM/1710/TC	Approval Number
3		Hazard label: Flammable liquid material (Class 3)
4		Identification marking: environmentally hazardous material
-	-	Name of the owner and the operator (on the container itself or on the panel)