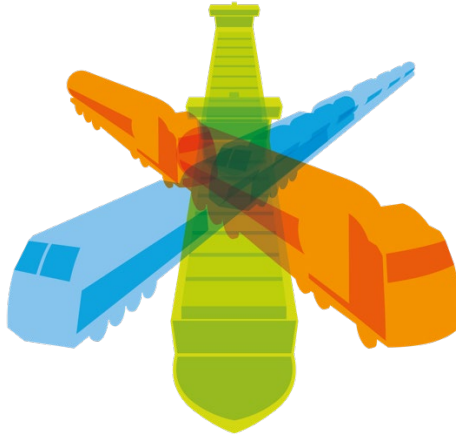




ADR dangerous goods

Procedure

The transport of dangerous goods is a specialist activity carried out by Van den Bosch and involves significant responsibility. Obtaining an ADR certificate requires extensive training covering substance properties, firefighting, and laws and regulations. Because some aspects of ADR transport are not always completely clear, this section of the handbook highlights several key points.



Mandatory ADR route



Starting point of dangerous-goods route.

This sign is often placed at a motorway exit to indicate that a dangerous-goods route begins at the bottom of the exit.

The written instructions/emergency card must be kept within easy reach in the cab and must be quickly available. The emergency card must be written in a language that the driver understands. The carrier provides the written instructions before the journey begins. The instructions must comply with the prescribed standard four-page format.



When transporting dangerous goods, built-up areas must be avoided. Loading or unloading ADR products from a public road is not permitted. In consultation with the loading or unloading location, use a designated place on the company premises. Two exceptions apply to transport within built-up areas:

- When no reasonable alternative route outside the built-up area is available.
- When unloading must take place within the built-up area.

In these situations, the through-route in the built-up area may be used. Take the quickest route to the loading or unloading address and the quickest route back. The municipality may grant an exemption from the mandatory route.

The following fire extinguishers must be carried in the truck:

- One portable extinguisher containing at least 2 kg of powder for a fire in the cab or engine.
- One or more extinguishers containing a total of 12 kg of powder, with at least one extinguisher containing no less than 6 kg of powder.

The following additional requirements apply specifically to ADR transport:

- ADR Class 3 products must never be unloaded using a compressor or compressed air. Unloading must therefore be carried out using a pump or by gravity.
- When transferring a large volume of an ADR product into a smaller receptacle, the driver is not permitted to perform the transfer.
- Wheel chocks must always be used during loading and unloading activities.
- Sampling the transported product is not permitted. It is virtually impossible to know all specific product properties, and the required personal protective equipment may not be available.
- A spill kit must be present and serviceable where spillage may occur. Protect your own safety and wear the required PPE.



UN number of the load (lower digits)
Hazard identification number of the
substance (upper digits)
Classification:
1 - explosives
2 - gases
3 - flammable liquids
4 - flammable solids
5 - oxidising substances (corrosive)
6 - toxic substances
7 - radioactive substances
8 - corrosive substances
9 - miscellaneous substances

The orange plate on the left is the Kemler plate displaying the hazard identification code and UN number.

The label on the right indicates the transported class and visually identifies the substance properties. After loading, check that the hazard labels, markings and orange plates are correct. Remove them after cleaning.

Category A tunnels have no restrictions on the transport of dangerous goods. The following tunnels are classified as Category A:

- Leidsche Rijntunnel on the A2
- Willem Alexandertunnel on the A2
- Schiphol Tunnel on the A4
- Roer Tunnel on the A73
- Swalmen Tunnel on the A73
- Rottemerentunnel on A16
- Gaasperdammertunnel on the A9
- Corbulotunnel on N434



The table below lists all substances prohibited in a Category C tunnel for which a mandatory route applies.

Class	Transport in tanks
2	Classification codes 2A, 2O, 3A and 3O, and classification codes containing only the letter T or the letter groups TC, TO and TOC.
3	Packing Group I for classification codes FC, FT1, FT2 and FTC
6.1	All substances of Packing Group I
8	Packing Group I for classification codes CT1, CFT and COT
Lege, ongereinigde tanks, containers en voertuigen die hierboven genoemde stoffen hebben bevat	

Category C tunnels

Tunnel	Location and road designation	Under
Beneluxtunnel	A4: Vlaardingen - Hoogvliet	Nieuwe Waterweg
Coentunnel	A10: Amsterdam	Noordzeekanaal
Drechtunnel	A16: Zwijndrecht - Dordrecht	Oude Maas
Heinenoordtunnel	A29: Barendrecht - Oud Beijerland	Oude Maas
Hollandtunnel	A24	
Ketheltunnel	A4: Rotterdam – Den Haag	Schiedam
Kiltunnel	S43: Dordrecht - 's Gravendeel	Dordtse Kil
Maasdeltatunnel	A24	
Noordtunnel	A15: H.I. Ambacht - Alblasterdam	Noord
Sluiskiltunnel	N62: Zelzater - Terneuzen	Kanaal Gent - Terneuzen
Salland-Twentetunnel	N35: Zwolle - Almelo	Nijverdal
Sijtwendetunnel	A4-N44: Den Haag	Rijn-Schiekanaal
Thomassentunnel	N15: Europoort-Botlek	Calandkanaal
Victory Boogie Woogietunnel	Rotterdamsebaan, Den Haag	
Vlaketunnel	A58: Kruiningen-Kapelle	Kanaal door Zuid-Beveland
Waterwolftunnel	N201	
Westerschelde-tunnel	N62: Terneuzen-Goes	Westerschelde
Wijkertunnel	A9: Beverwijk - Velsen	Noordzeekanaal
Zeeburgertunnel	A10: Amsterdam	IJ



Substances prohibited in Category D tunnels

Class	Transport in tanks
3	Alle stoffen
4.2	Packing Group II
4.3	Packing Group II
5.2	Alle stoffen
6.1	Packing Groups II and III for classification code TF2 and UN 1092, 1098, 1143, 1163, 1182, 1185, 1238, 1239, 1244, 1251, 1259, 1613, 1695, 1994, 2334, 2382, 2438, 2482, 2484, 2485, 2606, 2929 (I), 3279 (I), 3294 and 3381 to 3390
8	Packing Group I for classification codes CF2, CFT and CWI; and Packing Group II for classification codes CF1 and CFT
9	Classificatiecode M2 en M3
Lege, ongereinigde tanks, voertuigen of containers van de hierboven genoemde stoffen	

Category D tunnels

Tunnel	Location and road designation	Under
Botlektunnel	A15: Hoogvliet - Rozenburg	Oude Maas
Hubertustunnel	N14: Den Haag	Den Haag
IJtunnel	Stedelijke Weg te Amsterdam	IJ
Koningstunnel	Stedelijke weg te Den Haag	The Hague urban area
Maastunnel	Stedelijke weg te Rotterdam	Nieuwe Maas
Maasboulevardtunnel	Stedelijke Weg te Maastricht	Stadsgebied Maastricht
Michiel de Ruijtertunnel	S100: Amsterdam	Amsterdam
Piet Heintunnel	Stedelijke weg te Amsterdam	Amsterdam/Rijnkanaal
Spaarndammertunnel		Amsterdam
Stationspleintunnel		Leiden
Velsertunnel	A22: Velsen	Noordzeekanaal



Substances prohibited in Category E tunnels

Category E tunnels restrict all dangerous goods except UN numbers 2919, 3291, 3331, 3359 and 3373.

Category E tunnels

Tunnel	Location and road designation	Under
Arenatunnel	Amsterdam	Under the Amsterdam Arena
Stadsbaantunnel	Naast de A2	Onder Utrecht
Wisselbuis v.d. Gaasperdammer-tunnel	A9 Zuid	

Table A of the ADR specifies the code assigned to each product. Where a combined code of two tunnel codes is stated for a product, the first letter applies to tank transport and the second letter applies to transport other than in tanks.

Parking

The following safety requirements apply when parking loaded ADR containers:

Within built-up areas

As a general rule, parking a vehicle loaded with dangerous goods within a built-up area is prohibited, unless the municipality has designated specific parking locations through local regulations (APV).

Outside built-up areas

Parking along public roads is permitted, provided that ADR requirements and any local restrictions are complied with.

Practical Guidelines:

Short Rest Break

- Preferably use a large truck parking area.
- Avoid parking areas adjacent to fuel stations or busy public zones.
- Maintain visual contact with the vehicle whenever possible.



Daily Rest Period

- Only use:
 - Guarded truck parking areas;
 - Terminals;
 - Pre-approved parking locations.

Documents

Where assigned, the code stated in column 15 of Chapter 3.2, Table A, must be entered on the transport document in CAPITAL LETTERS and in brackets. This entry is not required if it can be established in advance that the transport will not pass through a tunnel. Example:

“ UN 1098 ALLYLALCOHOL, 6.1 (3), I (C/D)”

“ UN 1098 ALLYLALCOHOL, 6.1 (3), PG I (C/D)”

References:

<https://www.ilent.nl/onderwerpen/gevaarlijke-stoffen-weg/regels-tijdens-vervoer-gevaarlijke-stoffen-over-de-weg/tunnels>