

Information for the Transportation of Hazardous Goods

Transportation of hazardous goods with a passenger car, estate car or truck happens on a daily basis. The driver of the vehicle is confronted with complicated transportation regulations.

These regulations are: at national level the Street, Railway and Inland Navigation Hazardous Goods Regulation (German: Gefahrgutverordnung Straße, Eisenbahn, Binnenschiff, or GGVSEB), at international level the Agreement for the Street Transportation of Hazardous Goods (ADR).

This compact guideline has been developed to explain the legally binding frame and indicate any relief and exemptions for minimum quantities.

Recognizing hazardous goods

- a) The packaging features hazard labels. These are square labels, standing on the tip. Depending on the hazardous good classification they show different colours, symbols and declarations.
- b) Point 14 of the EG Safety Data Sheet includes the “transportation declaration” with all necessary information like UN number, packaging group, hazardous classification, category for transportation, limited quantity and limitation code for tunnels. The hazardous goods declaration applies to the transportation usually as well.

Material handling during transportation

Throughout the transportation of hazardous goods the following basic rules apply:

1. The freight has to be retained so it cannot shift during transportation. This is achieved by positive-fit loading (no in-between space – the freight cannot move), usage of tension belts, anti-slip mats, clamping lath and so on.
2. Packaging has to be sealed tightly and may not show any hazardous adherences.
3. Damaged or leaky packaging may not be forwarded.
4. Every single package has to show the hazard label and UN number.
5. During loading and unloading smoking is prohibited.
6. For every transportation carriage documents with the complete hazardous goods information have to be provided.
7. Written instructions (accident procedure sheet) have to be provided in a language which can be read and understood by each carrier’s staff member occupying the vehicle. They have to be carried aboard in the form required in ADR 5.4.3.4.
8. Specific equipment has to be carried aboard depending on the amount of hazardous goods.
9. Observe the “ADR” transportation regulations for hazardous goods. The “1000-point-regulation” is significant.

< 1000 points / ≥ 1000 points:

See the attached checklist

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For example:

UN No., material	Packing Group	Transportation Category	Factor	Amount	Points
UN 3082 Environmentally hazardous substances, fluid, n.o.s.	III	3	1	100 l	100
UN 2735 Amine, fluid, corrosive, n.o.s. (e.g. EP 260 B)	III	3	1	50 l	50
UN 2735 Amine, fluid, corrosive, n.o.s. (e.g. EP 150 B)	II	2	3	200 l	600
UN 1866 Resin dilution, flammable, (e.g. AC 20)	II	2	3	10 l	30
				Total Amount	780

The quantities for each product can be indicated in kilograms or liters.
For further information please contact us.

In the above stated case the total amount is 780 points. 1000 points is not exceeded, therefore the hazardous goods equipment for "below 1000 points" is necessary.

The transportation of hazardous goods is very extensive in all areas (street, air, sea or lake). This is just a small excerpt of "ADR Hazardous Goods - Street".

Further information is available on the Internet or in the relevant literature. For information specifically concerning our products, please do not hesitate to contact us.

"ADR" is a european agreement for the international street transportation of hazardous goods (Accord européen relative au transport international des marchandises dangereuses par route).

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List of Signs / Chart

Labelling is being carried out with hazard label samples. These state the composition of the transported material

or any hazards due to the material. In case of an accident they state any necessary measures.

Examples for hazard label samples:

	Class 3	Flammable fluid substances
	Class 5.2	Organic peroxide
	Class 6	Poisonous substances
	Class 8	Corrosive substances
	Class 9	Different hazardous substances and objects
		Environmentally hazardous substances

„Environmentally hazardous substances“ is an additional labelling, appearing on all substances.

Labelling for the transportation of limited quantity:

	Limited quantity / Street transportation
	Arrows showing direction on how to place the box within the vehicle, for fluids. Cardboards have to be placed into the vehicle upright, by following the arrow direction.

ARD regulation defines the limited quantity (abbreviation „LQ“) for registered hazardous goods at 3.2, column 7a with reference to chapter 3.4.

No liability!

The contents of these pages have been accurately checked and edited to the best of our knowledge. No claim is made as to the completeness, currency, quality and accuracy of the information provided. No responsibility

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Checklist for vehicles for the transportation of hazardous goods according to ADR

< 1000 points (hazardous board closed)

Page 1

No.			Yes	No
1	1 x 2 kg fire extinguisher (under seal/test date)		<input type="checkbox"/>	<input type="checkbox"/>
2	1 Portable lamp (surface non-emitting sparks) for each passenger		<input type="checkbox"/>	<input type="checkbox"/>
3	1 Reflective vest for each passenger		<input type="checkbox"/>	<input type="checkbox"/>
4	Transport document handed over		<input type="checkbox"/>	<input type="checkbox"/>
5	Pointed out that hazardous goods are being received		<input type="checkbox"/>	<input type="checkbox"/>

Note: Denial of one single question – no loading permission granted!

The driver of the vehicle commits to obeying all relevant regulations.

The driver of the vehicle has recognized the hazardous goods. He is responsible for the safe loading.

The vehicle has been screened before loading.

The transportation papers have been handed out completely. The driver of the vehicle has verified the completeness and attests the receipt and verification with his signature.

The driver of the vehicle also assures that he understands the advice for hazardous goods and that he understands this checklist.

Vehicle of company:

License plate:

Loading refused due to:

Date:

Loading date:

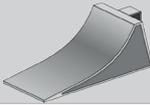
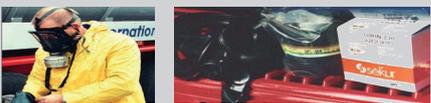
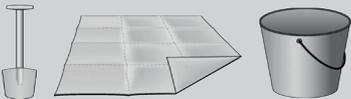
Signature:

Signature driver:

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Checklist for vehicles for the transportation of hazardous goods according to ADR
 ≥ 1000 points (opened hazardous board)

Page 2

No.			Yes	No
1	ADR certification, photo identification		<input type="checkbox"/>	<input type="checkbox"/>
2	Warning sign (40 x 30 cm) front and back		<input type="checkbox"/>	<input type="checkbox"/>
3	Stop block, one for each vehicle		<input type="checkbox"/>	<input type="checkbox"/>
4	2 self-standing warning signs (warning triangles, pylons or warning lights)		<input type="checkbox"/>	<input type="checkbox"/>
5	1 reflective vest for each passenger		<input type="checkbox"/>	<input type="checkbox"/>
6	1 portable lamp (surface non-emitting sparks) for each passenger		<input type="checkbox"/>	<input type="checkbox"/>
7	Eye rinsing fluid (check expiration date!)		<input type="checkbox"/>	<input type="checkbox"/>
8	Protective gloves, protective goggles one for each passenger		<input type="checkbox"/>	<input type="checkbox"/>
9	Emergency escape mask with filter (only for classes 2.3 and 6.1) (check expiration date!). Gas/dust combined filter A1B1E1K1-P1 or A2B2E2K2-PS		<input type="checkbox"/>	<input type="checkbox"/>
10	ABC fire extinguisher (under seal/test date) >7,5 tons gross weight 12 kg extinguishing powder = 2 x 6 kg		<input type="checkbox"/>	<input type="checkbox"/>
11	Shovel, duct cover, synthetic collecting container		<input type="checkbox"/>	<input type="checkbox"/>
12	Load securing, handling and stowage		<input type="checkbox"/>	<input type="checkbox"/>



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No.		Yes	No
13	Prohibition of combined loading (only with class 1)	<input type="checkbox"/>	<input type="checkbox"/>
14	Keeping separated from food and beverages? (only with classes 6.1/6.2)	<input type="checkbox"/>	<input type="checkbox"/>
15	Transport document handed over	<input type="checkbox"/>	<input type="checkbox"/>
16	Control of written instructions (as at 2017)	<input type="checkbox"/>	<input type="checkbox"/>
17	Pointed out that hazardous goods are being received	<input type="checkbox"/>	<input type="checkbox"/>

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Vehicle of company:

License plate:

Loading refused due to:

Date:

Loading date:

Signature:

Signature driver:

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