

## Notes on the transport of dangerous goods

ADR - European Agreement on dangerous goods transport - Road,  
 RID - Rail Transport of dangerous goods, IMDG - Dangerous goods transport by sea Waterways  
 GGVSEB - National provision for dangerous goods transport road, rail and sea  
 GGVSee - National provision for sea transport  
 StVZO - Road traffic licensing regulations, STVO road traffic regulations

modified 2011  
 modified 2009  
 modified 2011  
 modified 2009  
 always

### Subsequent observations relate to dangerous goods of Class 3 - Liquid, water-polluting substances.

They are classified according to hazard levels, 30 - bit dangerous as diesel, 1 liter = 1 threat point  
 33 - highly dangerous as gasoline, 1 liter = 3 risk points,  
 Each substance has a UN Code: 1203 petrol, diesel 1202, 1863 Kerosine  
 Subdivision by water hazard classes: typically fuels WGKL II or III.  
 Breakdown by Packaging Group: VG II - petrol, VG III - Kerosene / Diesel

### Exceptions in transport of dangerous goods Class 3, for small volumes:

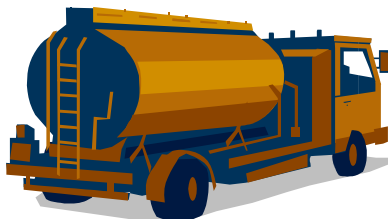
Small amounts: General conveyance as a reserve fuel in vehicles up to 20 liters in car  
 in approved containers without cargo up to 60 liters > 3.5 to.

Small quantities: the sum of all net-risk points in approved < 1000 danger points  
 Containers with cargo safety e.g. <1000 liters of Diesel,  
 Jet-A1, < 333 ltr. Gasoline

For dangerous goods Class 3 up to 1000 danger points are no labelling obligations existing, no additional training requirements stetter for driving on public roads and no ADR transport documents necessary. The specifications meet already with the official label of approval for police inspections and the volume or material evidence such as receipt from a service station. Counted is the net volume / content of hazardous material. It remains a dangerous goods transportation despite the small volume rule !

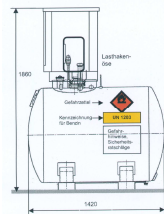
### Dangerous Goods Class 3 – Liquids having > 1000 danger points:

ADRs - Tanker Transport (audited FL)  
 Container transport up to 30,000 liters



Single wall, pressure less fuel container vehicle

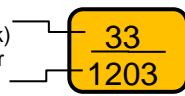
Cargo transport (reviewed UN-BAM ...)  
 Double, monitored vessels or containers  
 IBC - Explosion pressure vessels up to 1,000 liters



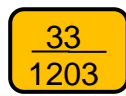
IBC tank or trailer with more than 333 ltr gasoline

### Marking the front and rear of the transport unit and transport certificates!

Risk number  
 (Double = high risk)  
 Substance number  
 eg for petrol



rear



front



rear



Cargo safely and mass number

front (< 3,5 to.)

### Additional qualification for vehicle license

ADR license



Sign 269:

Prohibit for vehicles with dangerous goods load  
 (Exemptions for IBC-approved double-wall, pressure proofed containers with internal transport pressure monitoring > 0.4 bar)

Basic course in dangerous goods transportation  
 (Chamber of commerce)



Sign 261:

Prohibit for vehicles with dangerous goods load having labelling requirements