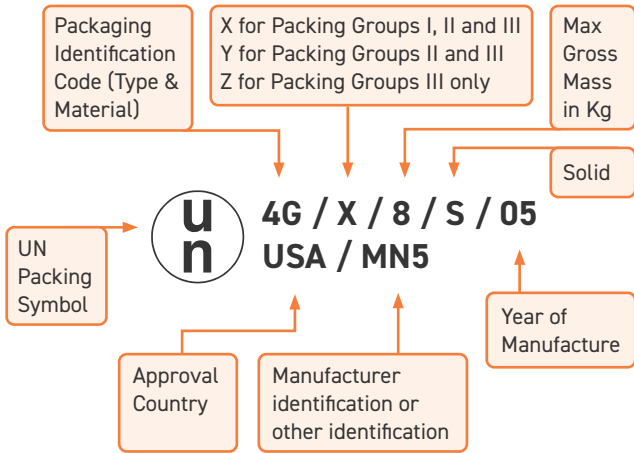


# Packaging

## UN approved packaging:



## Package periodic testing (variations may apply):

IBC – Two and a half year inspection cycle and limited to five years use for plastics

Pressure receptacles (cylinders) - five to fifteen years in line with ADR P200

# Vehicle and tank testing

Vehicles AT/FL/EXII/III	Annual testing	
	Intermediate	Periodic
Tanks	3 year	6 year
Tank Containers/ Portable tanks	2.5 year	5 year

# Participants



- ▶ **Consignor**
- ▶ **Carrier**
- ▶ **Driver**
- ▶ **Loader**
- ▶ **Filler**
- ▶ **Packer**
- ▶ **Tank-container operator**
- ▶ **Unloader**
- ▶ **Consignee**

# Main provisions

## Consult with a dangerous goods safety adviser (DGSA)

- ▶ Classify dangerous goods and wastes
- ▶ Choose appropriate means of containment
- ▶ Mark/label packaging, plate/placard vehicles and tanks
- ▶ Prepare/carry documentation
- ▶ Provide safety equipment/PPE
- ▶ Communicate with participants
- ▶ Secure dangerous goods on vehicles
- ▶ Provide appropriate training to participants
- ▶ Periodically test/inspect/certify vehicles, tanks and packaging
- ▶ Emergency procedures and incident investigation

# Training and examination

- ▶ Driver and DGSA certificates renewed every 5 years
- ▶ All other participants must be competent in line with their role and responsibilities



An tÚdarás Sláinte agus Sábháilteachta  
Health and Safety Authority






















# ADR - Quick Reference Guide

Health and Safety Authority | [www.hsa.ie](http://www.hsa.ie)  
 Workplace Contact Unit | [wcu@hsa.ie](mailto:wcu@hsa.ie)  
 Customer Service | [contactus@hsa.ie](mailto:contactus@hsa.ie)  
 Tel: 0818 289 389

Operators must verify compliance with a dangerous goods safety adviser or competent person

## Hazard Labels/Placards

1	Explosives				
2	Gases: Flammable/non-flammable non-toxic/toxic				
3	Flammable liquids				
4	Flammable solids/spontaneous combustion/emits flammable gas in contact with water				
5	Oxidising substances and Organic peroxides				
6	Toxic substances and Infectious substances				
7	Radioactive material				
8	Corrosive substances				
9	Miscellaneous and Lithium batteries				

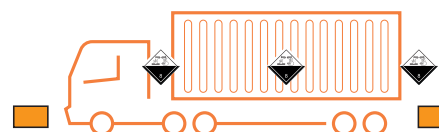
## Dangerous Goods Vehicle Marking (variations may apply)



### Packaged goods vehicles

Small vans, curtain-sider, flat bed, box van etc.

ADR orange plates placed front and rear.  
Orange plates 400mm x 300mm.



### Freight Container

ADR orange plates placed front and rear.

Hazard placards (labels) on all four sides of container.  
Placards 250mm x 250mm.

### Additional marks



EHS



Limited quantity



Elevated temperature

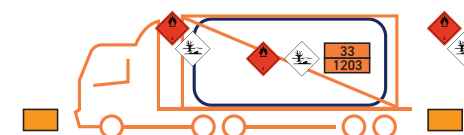


### Road Tanker

Single substance tank: ADR numbered orange plates placed front and rear.

Hazard placards on sides and rear of tank.

Note: For multi-substance tank, individual compartments shall be plated and placarded on each side with all placards shown on rear of tank, and with orange plates front and rear of vehicle.



### Portable tank/tank container

ADR orange plates placed front and rear on vehicle.

ADR numbered orange plates placed on either side of tank.

Hazard placards on all four sides.

### Documentation carried on vehicles

- ▶ Transport document
- ▶ ADR driver training certificate
- ▶ Instructions in writing
- ▶ Annual vehicle certificate of approval
- ▶ Competent authority authorisations
- ▶ Means of identification of all members of the vehicle crew (including photograph)

