Packaging

UN approved packaging:

- X for Packing Groups I, II and III
- Y for Packing Groups II and III
- Z for Packing Groups III only
- Max Gross Mass in Kg

UN Packing Symbol

Approval Country

Manufacturer identification or other identification

Year of Manufacture

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

<table>
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<th>Vehicles AT/FL/EXII/III</th>
<th>Annual testing</th>
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<td>Intermediate Periodic</td>
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<tr>
<td>Tanks</td>
<td>3 year 6 year</td>
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<td>Tank Containers/Portable tanks</td>
<td>2.5 year 5 year</td>
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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
Operators must verify compliance with a dangerous goods safety adviser or competent person.

### Hazard Labels/Placards

1. **Explosives**
   - [Explosive label]
   - [1.4 to 1.6]

2. **Gases: Flammable/ non-flammable non-toxic/toxic**
   - [Gaseous label]
   - [1.5 to 1.6]

3. **Flammable liquids**
   - [Flammable liquid label]

4. **Flammable solids/ spontaneous combustion/ emits flammable gas in contact with water**
   - [Combustible label]

5. **Oxidising substances and Organic peroxides**
   - [Oxidising substance label]

6. **Toxic substances and Infectious substances**
   - [Toxic substance label]

7. **Radioactive material**
   - [Radioactive label]

8. **Corrosive substances**
   - [Corrosive substance label]

9. **Miscellaneous and Lithium batteries**
   - [Miscellaneous label]

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### 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.

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### Additional marks
- EHS
- Limited quantity
- Elevated temperature

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### 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)

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### 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 numbered orange plates placed on either side of tank.
- Hazard placards on all four sides.