



DANGEROUS GOODS SERVICES



Consultancy | Training | Operations | Supplies

www.orpconsultancy.com.au

Dangerous Goods by Air (excl. class 7)



1. Inspect Shipment

- Check paperwork
 - Invoice/Pack List for quantities
 - Safety Data Sheet - DG information (Section 14 SDS)
- Check items
 - Check for damage
 - Check quantities
 - In case of UN packaging, check markings

2. Check IATA DGR

DG List (4.2): find the UN number and check the quantity on hand with the maximum allowable quantity for EQ/LQ/PAX/CAO

3. Packing

Time to Pack; the ORP DG PRO way

Combination Packaging

- Mostly Fibreboard Boxes are used for combination packaging. Secure the bottom of the box with strong tape (i.e. cross-woven filament tape).
- Line the box with a plastic liner (last line of containment in case of a spillage)
- Place a layer of void fill or absorbent material (in case of inner packagings containing liquids) in the liner, spread it evenly over the bottom.
- Pack the inner packaging(s) in another plastic liner; this will be the first line of containment in case of spillage, besides this, it will keep the inners clean from dust from the void fill/absorbent. Note: in case of glass inner packagings, pack them first in protective layer, i.e. bubble-wrap. Close the liner with a knot or a tie-wrap.
- Place the inner packaging(s) inside the lined box.
- Fill the void with void fill and close the box liner with a knot or tie-wrap.
- Close the box and apply tape (the beginning of the tape covered by the end of the tape).

Single Packaging

- check that the closure of the packaging is securely closed.
- Jerrycan: lid with security/locking lid.
- Steel drum, removable lid with locking ring: check that a drum lock is in place that prevents the locking ring from opening.
- Steel drum, non-removable lid: the screw lids usually used have a tendency to loosen during transport (vibrations). Use tape to secure the lid.

Don't forget the Special Provisions in column M of the DG List; especially SP A802 and A803, you will have to observe these if they are mentioned for your UN Number.

When UN specification packaging is required: check the UN markings on the package and make sure the Packing Instruction approves the use of that package.

If you intend to ship the item(s) as a combination package, check the Packing Instruction to ensure the net quantity of the inner packaging(s) are allowed.

Check the Packing Instruction associated with the option you intend to use for shipping.

4. Marking & Labelling

Column D of the DG List shows the Hazard Label(s) that need to be applied to the package(s). This includes the need for environmentally hazardous label (dead fish), Keep Away from Heat, and etcetera.

Apply Shipper & Consignee details; identical to the details on the Shipper's Declaration for Dangerous Goods.

Apply the UN Number and Proper Shipping Name.

Net Quantity; this is not always required, however to keep it simple (and to avoid acceptance rejection in case the net Q is required on the package (i.e. dry ice, multiple packages with different net quantities), note the net quantity in the package on the package; i.e. 'net quantity 10 L'

Packaging UN markings (printed, embossed, etc)

For Limited Quantity Shipments: all of the above, except the requirement for Packaging UN markings. In addition the Limited Quantity label (the one with the 'Y') needs to be applied.

For Excepted Quantity Shipments: The above is not required, for EQ shipments, apply the EQ label. Shipper/consignee details should be applied for tracking purposes.

For Lithium Battery - Section II Shipments: The above is not required. The Lithium battery mark must be applied. Shipper/consignee details should be applied for tracking purposes.

OVERPACKS: unless all marks and labels for all the dangerous goods packages are clearly visible, all the DG marks and labels need to be replicated on the outside of the overpack.

5. Documentation

DGD

- IATA DGR 8.1
- Don't forget to check the State and Operator Variations for the requirement for a 24-hr contact number (handling information), also check the Packing Instruction for additionally required information in the Handling Information.

Airway Bill

- IATA DGR 8.2
- Dangerous Goods as per Associated Shipper's Declaration, or Dangerous Goods as per associated DGD
- Cargo Aircraft Only, or CAO (where applicable)
- Applicable text for DG's that do not require a DGD; i.e. lithium batteries section II, excepted quantities, not restricted as per special provision A##, etc.

Additional Documentation

- IATA DGR 8.3
- Authorisation Documentation, i.e. where authorisation has been given under Special Provision A1 or A2.

State & Operator Variations

- IATA DGR 2.8
- States or Operators may require additional documentation to be submitted when lodging a shipment; check the variations to avoid acceptance check rejections. Air Niugini for instance has got a requirement to supply Safety Data Sheets (few exceptions) and the requirement to supply a completed acceptance check when lodging the shipment.

