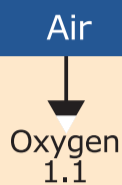


Know Your Oxygen

What is Compressed Oxygen?

- Oxidising gas
- Obtained from the air through liquefaction
- Forms 21% of the atmosphere
- Slightly heavier than air with a specific gravity of 1.1



Storage

- Ensure cylinder is secured upright with a chain or strap
- One metre away from:
 - Site boundaries
 - Building opens
 - Sources of ignition
- Three metres away from:
 - Combustibles
 - Air compressors & air ventilation intake
- Never store in vehicles overnight



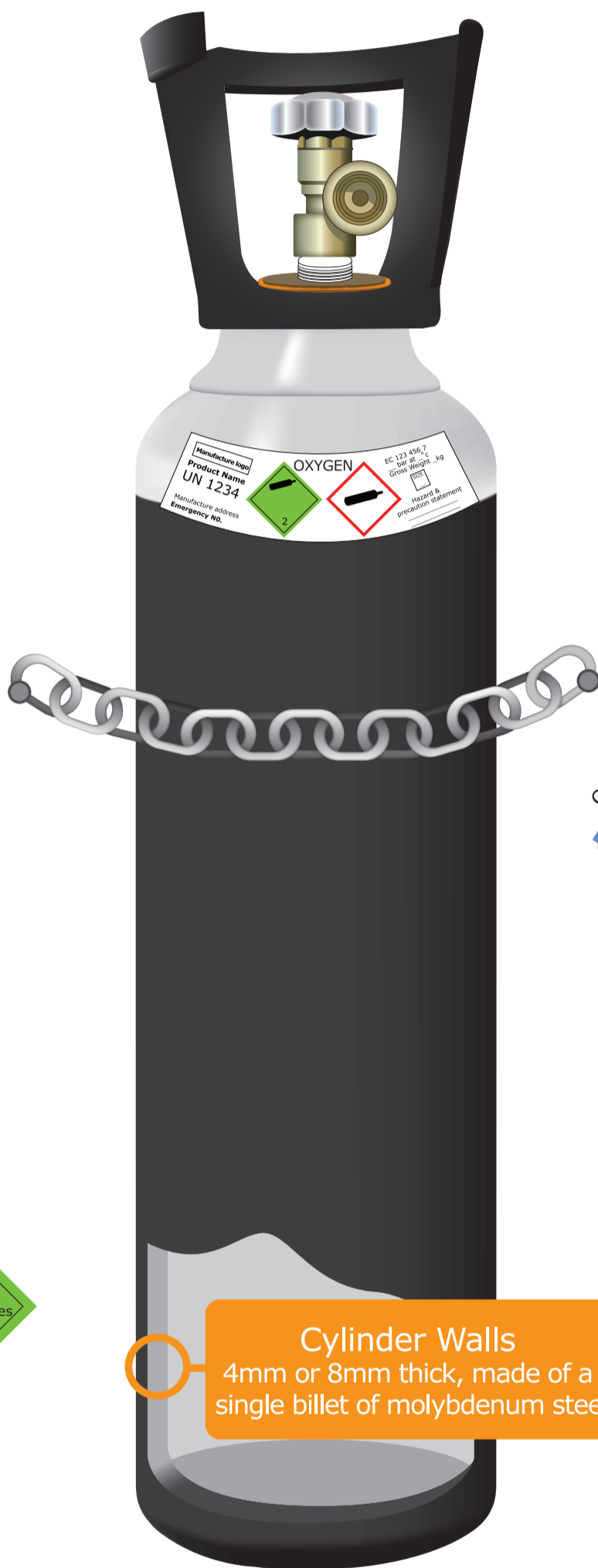
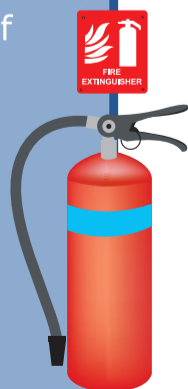
Transport

- Maximum load before full ADR is required is 1000 kg/ltrs
- Disconnect equipment & leak check cylinders before transporting
- Transport upright & secure preferably in an open backed vehicle
- 2 kg dry powder fire extinguisher must be available to driver
- Only label your vehicle if you are transporting cylinders



Emergencies & Fire - Fighting

- All in contact with compressed gases should be aware of emergency procedures which should be documented and regularly practiced.
- In the event of a fire evacuate the area by a minimum of 200 metres & call the fire brigade.

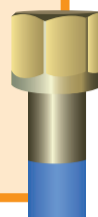


Cylinder Walls
4mm or 8mm thick, made of a single billet of molybdenum steel



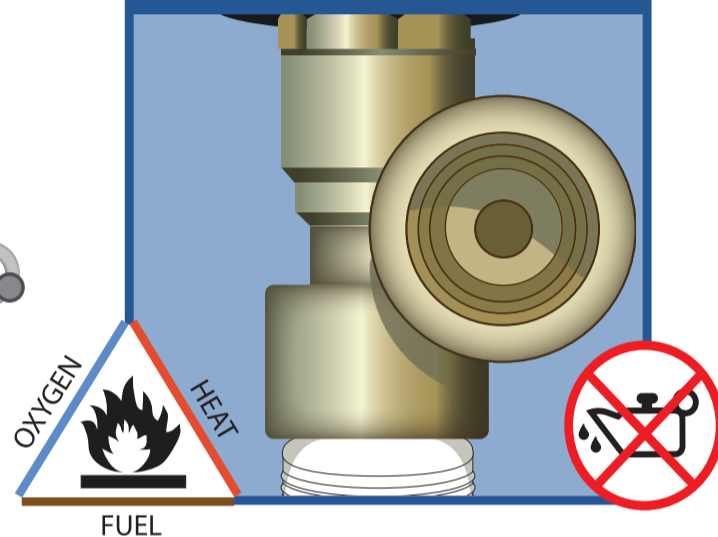
Equipment

- In date & in good working order
- Free from dirt, oil & grease
- Right-hand thread fittings
- Use correctly labeled equipment for the gas:
 - Regulator - ISO 2503
 - Flashback Arrestor - ISO 5175
 - Hose - BS EN ISO 3821
- Hose is blue in colour, undamaged & free from tapes



Valve Outlet

Ensure free from dirt, PTFE tapes, oil and grease.



Personnel Protective Equipment

- Always wear the appropriate PPE for the job in hand:
 - Flame retardant overalls
 - Safety goggles/mask
 - Safety gloves
 - Safety shoes/boots
- Although oxygen is not flammable it will support combustion particularly in high concentrations



Leak Check

- Only use approved leak detector fluids that are compatible with oxygen
- Do not use soap solutions!
- Leak checking is an obligation imposed on the user by Codes of Practice

