

# Storage

## Storing your cylinders safely.

All cylinders should be considered and treated as full, regardless of their content.

Cylinders should be stored in dedicated cylinder only areas.

- Full and empty cylinders should be kept separate.
- Store cylinders away from heavy traffic and emergency exits.
- Rotate stock of full cylinders, and use cylinders on a 'first in, first out' basis.

- Keep cylinders in well drained areas, out of water pools or ponds.
- The storage area should be kept well ventilated and clean at all times.
- **DO NOT** store in confined spaces.
- Avoid below-ground storage where possible. Where impractical, consider atmospheric monitoring or other risk control measures.
- There should be good access to the storage area for delivery vehicles. The ground surface should be reasonably level and firm, preferably concrete.
- The storage area should be designed to prevent unauthorised entry, to protect untrained people from hazards and to guard cylinders from theft.

- Keep flammable gases away from sources of ignition.
- **DO NOT** store cylinders near combustible materials, flammable liquids or incompatible materials.
- Keep cylinders away from artificial heat sources for example, flames or heaters.



- Different types of gases must be stored separately and in accordance with relevant Dangerous Goods legislation. Refer to AS 4332 (The Storage and Handling of Gases in Cylinders).
- Stores must clearly show signage in accordance with State Dangerous Goods regulations. This includes Division Diamonds; HAZCHEM; no smoking and naked flame warning signs.

- Toxic and corrosive gases should be stored separately, away from all other gases.
- Liquefied flammable cylinders must be stored upright, to keep the safety devices in the vapour phase, on a firm, level floor (ideally concrete). This is also preferable for most other gas cylinders.

- Avoid storing cylinders below 0°C. Some mixtures may separate below this temperature.
- **DO NOT** store cylinders at temperatures greater than 65°C.



For more information, please refer to page 23 of the Guidelines for Gas Cylinder Safety available at [goo.gl/liw0lP](http://goo.gl/liw0lP) or scan the QR code.