



COMPRESSED INDUSTRIAL GASES IN CYLINDERS

Gas	Identification		Common Uses	Safety Recommendations (together with SAFETY WARNING*)
	Cylinder Colour	Warning Label		
OXYGEN O ₂			Welding, cutting, heating and brazing.	Vigorously accelerates combustion. Keep oils and greases away. Never use as a substitute for compressed air. Use in a well ventilated area. Not suitable for breathing.
ACETYLENE C ₂ H ₂			Welding, cutting, heating and brazing.	Highly flammable. Keep away from flame, sparks and heat. Use in well ventilated area. Never exceed 150kPa after the regulator. Do not use copper pipework or fittings. Keep cylinders upright.
CARBON DIOXIDE CO ₂			AIR LIQUIDE supplies several types of gases for the following applications: • industrial • welding • food • tavern • wine	Atmosphere becomes asphyxiating above 10% concentration in air. NH&MRC Time Weighted Average concentration for a normal 8-hour day and a 40-hour work week is 0.5%. Use in a well ventilated area.
NITROGEN N ₂			Inserting, purging. Used for storing, packaging and in all processes where oxygen is undesirable.	Atmosphere becomes asphyxiating below 16% oxygen content. Use in a well ventilated area.
ARGON Ar			TIG Welding MIG Welding of Aluminium	Atmosphere becomes asphyxiating below 16% oxygen content. Use in a well ventilated area.
ARGON MIXTURES			Shielding gases for welding. Refer to specialised brochure covering the shielding gases range.	
ARGON MIXTURES CONTAINING HYDROGEN	† SHOULDER COLOUR ACCORDING TO OTHER COMPONENTS OF THE MIXTURE 		Shielding gases for welding. Refer to specialised brochure covering the shielding gases range.	Flammable under some conditions. Keep Away from flame, sparks and heat. Use in well ventilated conditions.
HELIUM He			Shielding gas for specific welding applications. Inflating of balloons. Leak testing.	Atmosphere becomes asphyxiating below 16% oxygen content. Use in a well ventilated area.
LIQUIFIED PETROLEUM GAS (LPG)			Cutting, heating and brazing. General domestic uses, i.e. cooking, heating, etc.	Highly flammable. Keep away from flame, sparks and heat. Use in well ventilated area.
SULPHUR DIOXIDE S			Preservative (food & wine). Sterilisation. Bleaching & Tanning processes.	Toxic by inhalation. Corrosive when wet. Avoid contact with skin and eyes. Use in well ventilated area.
COMPRESSED AIR			All applications of compressed air, especially where there is a need for oil and humidity free air.	Not suitable for breathing.

*SAFETY WARNING FOR ALL GASES

Cylinders are under high pressure. Never use without a regulator to reduce pressure. Connect only to apparatus designed for the contained gas. Never heat cylinder. Keep oils and greases away. Open valve slowly and close after use. Avoid leakage. Avoid undue shocks. Never drop cylinder. Use cylinder and equipment as instructed in printed matter available from AIR LIQUIDE upon request. Do not allow any foreign matter to enter cylinder or cylinder valve. Storage of compressed gases must always comply with Statutory Regulations. Material Safety Data Sheets are available from AIR LIQUIDE on request and from www.airliquide.com.au

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