

LPG and other compressed gases

Overview

This document covers hazards, use, storage and transportation.

Hazards

- 1) Treat every cylinder as being full and handle carefully.
- 2) Keep cylinders away from sun, artificial heat, flammable materials, corrosive chemicals and fumes.
- 3) Avoid damage to valves and fittings. Don't use them for lifting or carrying.
- 4) When using mixed gases (such as welding), flashback arrestors must be fitted.
- 5) Don't smoke when using compressed gases.
- 6) Don't use cylinders as rollers for moving equipment.
- 7) If gas cylinders are being heated in a fire, call the fire brigade and evacuate the area.

Safe use

- 1) Regular inspection of hoses, cylinders and valves should be undertaken before use.
- 2) Open cylinder valves slowly and close sufficiently to shut off gas – never use force.
- 3) Ensure that gloves (if worn) are free from oil and grease.
- 4) Keep valves and fittings of O₂ cylinders free from oil and similar items.
- 5) Keep gas hoses clear of traffic to prevent them being damaged.
- 6) Know what to do in an emergency.
- 7) Ensure a fire extinguisher is always available for hot work but only try to fight secondary fires.
- 8) If there's a hot-work permit or procedure, follow it.

Storage and transportation

- 1) Always secure acetylene cylinders in an upright position.
- 2) Store all cylinders so that they cannot fall or roll.
- 3) Always lift cylinders from trucks, don't drop or slide them.
- 4) Move full-size cylinders using a trolley. If one is not available, get assistance.
- 5) Transport cylinders in vehicles with good ventilation.

Health and safety

Always make sure any workers using the equipment know how to use it safely and follow all procedures put in place to prevent serious accidents and injuries.

Summary

Make sure you're aware of how to safely use LPG and other compressed gases because it is a valuable source of energy.

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TOOL BOX TALK RECORD

Project Name:		Phase:	
Site Address:			
Job No:		Date of talk:	
Name of person giving Tool Box Talk:			
Person giving Tool Box Talk employed by:			
Start Time			
End Time			
Name (Capitals)	Signature	Trade	Employer

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Feedback arising from Talk



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