

Prepare: Quiet location? No distractions? Talk aids ready?

Reason: Liquefied Petroleum Gas (LPG) and other compressed gases, if used safely, are a convenient and valuable source of energy.

Why: Misuse causes serious accidents and injury.

Outline: This talk will cover hazards, use, storage and transport.



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- Do not smoke when using compressed gases.
- Do not use cylinders as rollers for moving equipment.
- In case of fire, call the fire brigade first, then cool cylinders with water spray, if safe to do so.

Q: If a cylinder is on fire, what would you do?

Use Of LPG And Compressed Gas

- Regular inspection of hoses, cylinders and valves should be undertaken before use.
- Open cylinder valves slowly and close sufficiently to shut off gas – never use force.
- Ensure that gloves (if worn) are free from oil and grease.
- Keep valves and fittings of O2 cylinders free from oil, etc.

Q: What should be done before using compressed gases?

- Keep gas hoses clear of traffic, hoses may get damaged.
- Make sure you know the emergency fire procedures including types of fire extinguishers to be used.
- Ensure fire extinguisher is always available for hot work.
- If there is a hot work permit or procedure, follow it.

Q: What must you remember when working close to traffic?

NOTES

[illegible]

For more information

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TOOLBOX TALK #54

LPG & other gases

NOTES

Storage And Transportation Of Cylinders

- Always secure acetylene cylinders in an upright position.
- Store all cylinders so that they cannot fall or roll.
- Always lift cylinders from trucks, do not drop or slide them.
- Move full size cylinders using a trolley. If not available, get assistance.
- Transport cylinders in vehicles with good ventilation.

Q: How should cylinders be stored and transported?

Note to supervisor:

Now inform your workforce of the company policy on hot work permits or procedures.

Do you have any questions for me?

Questions for you

Q: What cylinder must be kept free of oil and grease?

Q: What must be remembered when opening cylinder valves?

REMEMBER:

Compressed gas and LPG's are useful 'tools', but potentially lethal ones.

Sources: [Gas safety for employers - HSE](#) [How does ADR apply to the small scale carriage of industrial gases? - HSE](#) [LPG forklift truck fire risk - HSE](#)

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