

# Gas Cylinder Safety Infographic



**GAS CYLINDER HAZARD**

High pressure inside the cylinder may cause:

- Uncontrolled rockets or pinwheels.
- Vessels to burst, create leaks in equipment or hoses, or produce runaway reactions.

Heavy weight & large in size.



**SAFETY OF COMPRESSED GAS CYLINDER**

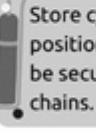
**HAZARD FROM THEIR CONTENT**

Flammable
Toxic
Corrosive
Oxidizing
Explosive
Asphyxiation, as inert gas can displace oxygen and reduce the concentration level in the body.

.....Accidents involving gas cylinders are often caused by :



### General Safety Measures

<p>Know the chemical &amp; physical properties of the gases.</p> 	<p>Only personnel trained in the proper transportation and safe use of gas cylinders should handle cylinders.</p> 	<p>All cylinders must be labeled with contents and stage of use (Full/In use/Empty).</p> 	<p>Pressure regulators and gauges must be compatible with the cylinder valves.</p> 
<p>Wear proper personal protective equipment. Refer to SDS for safety information on the gas cylinder.</p> 	<p>Clean the gas valves and fixtures from any impurities such as dust, oil or rust to avoid gas leak incident.</p> 	<p>Make sure the gas regulator is properly installed and tighten.</p> 	<p>Whenever a compressed gas cylinder is used, inspect the gas cylinder, gas regulator and connectors to detect any leakage or damage.</p> 
<p>Store &amp; use in well ventilated areas, away from heat or ignition sources.</p> 	<p>Store cylinders in upright position. Cylinders must be secured by use of chains.</p> 	<p>Segregated cylinders by hazard classes while in storage.</p> 	<p>Stop pressure from the gas regulator if not in use.</p> 

### DON'Ts

- Do not purchase more or larger cylinders than necessary.
- Do not permit oil or grease to contact cylinders or their valves, especially cylinders containing oxidizing gases.
- Do not use Teflon tape on cylinder or tube fitting connections.
- Do not heat the cylinder for the purpose of increasing gas pressure.
- Do not use copper fittings or tubing on acetylene tanks.
- Do not refill the cylinder on your own.



Source: <https://www.utm.my>