

A Safe Workplace

A Workplace Safety and Health Manual for Your Community

Section: III-C	Rules Procedures, Practices and Guidelines	Page 1 of 1
		Approved By: Harvey Bostrom
Subject: G-13	Oxygen and Acetylene Storage and Handling	Effective: April 01, 2005
		Revised: April 1, 2011

Refer to part 17 Welding and Allied Processes *The Manitoba Workplace Safety and Health Act and Regulations* and CSA Standards W117, 2-01 (R2006), Safety in Welding, Cutting and Allied Processes.

PPE Required: Leather gloves, steel toe boots

Equipment Required:

Crescent wrench, fire extinguisher of suitable type as per MSDS label.

- Acetylene cylinders should be stored separately from oxygen cylinders.
- Oil, grease or similar materials should never be allowed to come in contact with any valve, fitting, regulator or gauge of oxygen cylinders because of the spontaneous explosive hazard.
- Protect cylinders against physical damage. Outside storage is preferred with overhead protection from the weather.
- If stored inside, store in a cool, well ventilated and noncombustible place away from all possible sources of ignition.
- Cylinders should be properly secured and always be used, transported or stored in a vertical position and never dropped or jarred.
- Cylinders should have the valve protection cap in place at all times, except when secured in position for use.
- Cylinders should not be rolled and lifted by the valve or valve caps. A suitable cradle should be used or otherwise chained or secured so they cannot fall or be upset.
- Do not move cylinders without first closing the valves.
- Empty cylinders should be tagged and stored separately from full cylinders.
- A leaking gas cylinder must be shut off and removed to an outdoor location away from ignition sources and marked to be readily identifiable. The supplier should be notified about the defective cylinder.